

GRANT REQUEST FORM (GRF)

CEC-270 (Revised 02/13)

CALIFORNIA ENERGY COMMISSION

New Agreement ARV-13-021 (To be completed by CGL Office)

Division	Agreement Manager:	MS-	Phone
600 Fuels and Transportation Division	Miki Crowell	27	916-653-0363

Recipient's Legal Name	Federal ID Number
The Regents of the University of California, Berkeley campus	94-6002123

Title of Project
Northern California Center for Alternative Transportation Fuels and Advanced Vehicle Technologies

Term and Amount	Start Date	End Date	Amount
	05 / 14 / 2014	06 / 30 / 2017	\$ 1,566,667

Business Meeting Information
 ARFVTP agreements under \$75K delegated to Executive Director.

Proposed Business Meeting Date	05 / 14 / 2014	<input type="checkbox"/> Consent	<input checked="" type="checkbox"/> Discussion
Business Meeting Presenter	Michelle Tessier	Time Needed:	5 minutes

Please select one list serve. Altfuels (AB118- ARFVTP)**Agenda Item Subject and Description**

Proposed resolution approving Agreement ARV-13-021 with the Regents of the University of California, Berkeley campus, for a \$1,566,667 grant to develop the Northern California Center for Alternative Transportation Fuels and Advanced Vehicle Technologies (North CAT), which will provide a physical and advanced web/internet-networked location for education, training, demonstration, and full-scale deployment of alternative transportation fuels and advanced vehicle technologies in the Northern California region. The center will bring together a cutting-edge team of leading organizations spanning the Northern California region with a wide coverage of advanced vehicle and alternative fuel training, outreach, and project development programs. (ARFVTP funding.) Contact: Michelle Tessier 5 minutes.

California Environmental Quality Act (CEQA) Compliance

- Is Agreement considered a "Project" under CEQA?
 - Yes (skip to question 2) 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 .
- If Agreement is considered a "Project" under CEQA:
 - a) Agreement **IS** exempt. (Attach draft NOE)
 - Statutory Exemption. List PRC and/or CCR section number:
 - Categorical Exemption. List CCR 15301, 15303, 15304 section number:
 - Common Sense Exemption. 14 CCR 15061 (b) (3)
 Explain reason why Agreement is exempt under the above section:
 All the facilities are existing facilities, and physical improvements only involve adding display kiosks, exhibit capability, additional outdoor signage capability, running wires to existing testing/lab facilities, classroom/meeting room improvements, and audio/visual and IT capability improvements. The project will have no significant adverse impact on the environment.
 - 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
See attached.	\$
	\$
	\$

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

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Legal Company Name:

See attached.

Budget Information

Funding Source	Funding Year of Appropriation	Budget List No.	Amount
ARFVTF	12/13	601.118E	\$1,566,667
Funding Source			\$
R&D Program Area:	Select Program Area	TOTAL:	\$1,566,667
Explanation for "Other" selection			
Reimbursement Contract #:		Federal Agreement #:	

Recipient's Administrator/ Officer

Name:	Noam Pines	Name:	Timothy E. Lipman, PhD
Address:	2150 Shattuck Ave., Suite 313	Address:	1301 S. 46th St., Bldg. 190
City, State, Zip:	Berkeley, CA 94704-5940	City, State, Zip:	Richmond, CA 94804-4600
Phone:	510-643-3891	Fax:	510-642-8236
E-Mail:	npines@berkeley.edu	E-Mail:	telipman@berkeley.edu

Selection Process Used

<input checked="" type="checkbox"/> Competitive Solicitation	Solicitation #: PON-13-605
<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 checked="" 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

Major Subcontractor	Budget
Lawrence Berkeley National Laboratory	\$200,000
Humboldt State University	\$225,000
Center for Transportation and the Environment	\$125,000
Prospect Silicon Valley	\$225,000
Bevilacqua Knight, Inc.	\$150,000
Bay Area Climate Collaborative	\$ 25,000

List of Key Partners

- Lawrence Berkeley National Laboratory
- Humboldt State University
- Center for Transportation and the Environment
- Prospect Silicon Valley
- Bevilacqua Knight, Inc. and California Fuel Cell Partnership
- CalCEF LLC and CalCharge
- Bay Area Air Quality Management District

Exhibit A SCOPE OF WORK

TECHNICAL TASK LIST

Task #	CPR	Task Name
1	N/A	Administration
2		Physical Improvements to RFS / UC Berkeley Facilities
3		Physical Improvements to Prospect SV Facilities
4	X	Physical Improvements to HSU Facilities
5		Physical Improvements to LBNL / UC Berkeley Facilities at RFS
6		Physical Improvements to CAFCP Facility
7		Develop North CAT Institutional Infrastructure and Management Plans

KEY NAME LIST

Task #	Key Personnel	Key Subcontractor(s)	Key Partner(s)
1	T. Lipman - UCB	LBNL, HSU, CTE, Prospect SV, BKI	
2	T. Lipman - UCB	CTE	
3	T. Lipman - UCB	Prospect SV	
4	T. Lipman - UCB	HSU, CTE	
5	T. Lipman - UCB	LBNL	
6	T. Lipman - UCB	BKI	
7	T. Lipman - UCB	LBNL, HSU, CTE, Prospect SV, BKI	

GLOSSARY

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

Term/ Acronym	Definition
ARFVTP	Alternative and Renewable Fuel and Vehicle Technology Program
CAM	Commission Agreement Manager
CAT	Center for Alternative Transportation
CPR	Critical Project Review
FTD	Fuels and Transportation Division
BAAQMD	Bay Area Air Quality Management District
BACC	Bay Area Climate Collaborative
BKi	Bevilacqua-Knight Inc.
CaFCP	California Fuel Cell Partnership
CEC	California Energy Commission
CTE	Center for Transportation and the Environment
HSU	Humboldt State University
ITS	Institute of Transportation Studies
LBNL	Lawrence Berkeley National Laboratory
PEV	plug-in electric vehicle

Term/ Acronym	Definition
Prospect SV	Prospect Silicon Valley Center
RFS	Richmond Field Station
TSRC	Transportation Sustainability Research Center (UC Berkeley)
TTP	Technology Transfer Program (UC Berkeley)
UC Berkeley	University of California - Berkeley

BACKGROUND:

Assembly Bill 118 (Núñez, Chapter 750, Statutes of 2007), created the Alternative and Renewable Fuel and Vehicle Technology (ARFVT) Program. The statute, subsequently amended by AB 109 (Núñez Chapter 313, Statutes of 2008) and AB 8 (Perea, Chapter 401, Statutes of 2013), 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 policies. The Energy Commission has an annual program budget of approximately \$100 million and provides financial support for projects that:

- Develop and improve alternative and renewable low-carbon fuels;
- Optimize alternative and renewable fuels for existing and developing engine technologies;
- Produce alternative and renewable low-carbon fuels in California;
- Decrease, on a full fuel cycle basis, the overall impact and carbon footprint of alternative and renewable fuels and increase sustainability;
- Expand fuel infrastructure, fueling stations, and equipment;
- Improve light-, medium-, and heavy-duty vehicle technologies;
- Retrofit medium- and heavy-duty on-road and non-road vehicle fleets;
- Expand infrastructure connected with existing fleets, public transit, and transportation corridors; and
- Establish workforce training programs, conduct public education and promotion, and create technology centers.

The California Energy Commission issued solicitation PON-13-605 to provide funding opportunities under the ARFVT Program for projects that develop new centers or expand existing centers for alternative fuels and advanced vehicle technology in Northern, Central, and Southern California. To be eligible for funding under PON-13-605 (the "Solicitation"), the projects must also be consistent with the ARFVT Investment Plan updated annually. In response to the Solicitation, Recipient submitted application #7 (the "Application"), which was proposed for funding in the Energy Commission's Notice of Proposed Awards issued February 6, 2014. Both the Application and the Solicitation are hereby incorporated by reference into this Agreement.

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 Commission's Award shall control. 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:

There is an emerging suite of options to address the growing needs of energy for transportation with managed and ideally reduced environmental impacts. However, these solutions – for alternative transportation fuels and advanced technology vehicles – require additional validation and pre-testing for full commercialization. Furthermore, many knowledge gaps exist around the technical performance and economic performance of these solutions, ranging from relatively established ones (e.g., particulate filters for heavy-duty trucks) to more cutting edge solutions and ideas (e.g., hydrogen fuel cell vehicles and “vehicle-to-grid” power for better electric-vehicle grid integration).

This project is aimed directly at addressing the key barriers associated with:

- the need for pre-commercial fuel and technology testing and initial field trials;
- the need for larger-scale pilot studies to further provide technology validation;
- the need for user-based studies to understand driver/passenger response to new fuels and vehicle technologies; and
- the broad need for additional market “end user” education about the potential fleet and public/private benefits of alternative fuel vehicle and advanced vehicle technology adoption.

General education and outreach about advanced vehicle technology and performance, along with targeted training programs for fleet managers, permitting officials, first responders, electrical contractors, and other key agents is one of the largest barriers to further clean vehicle adoption across the light-duty, medium-duty, and heavy-duty sectors. This project is squarely directed at overcoming this key set of obstacles.

Goals of the Agreement:

The goal of this Agreement is to develop the Northern California Center for Alternative Transportation Fuels and Advanced Vehicle Technologies (North CAT) and to develop a network of physical locations, institutional arrangements, and virtual communications systems to (ultimately) conduct a broad range of alternative fuel and advanced vehicle technology showcase/demonstration, training and outreach, and project facilitation programs.

Objectives of the Agreement:

The specific objectives of this Agreement are to develop infrastructure and capabilities needed to provide alternative fuel/advanced vehicle technology showcase, training, outreach, and project-facilitation at specified physical locations in Northern California (Richmond, San Jose, West Sacramento, and Arcata), and to develop virtual communications and institutional arrangements for these locations to operate the North CAT network.

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 and the Commission Agreement Officer. The Recipient shall bring its Project Manager, Agreement Administrator, Accounting Officer, and others designated 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

CAM Products:

- 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) team 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 Agreement Officer, and the CAM. 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 CAM.
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 CAM will determine the appropriate meeting participants.
The administrative portion of the meeting shall be a discussion with the CAM and the Commission Agreement 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 CAM 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 Commission Agreement Officer,. 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 CAM 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 CAM if during the course of the Agreement additional match funds are received.
- Notify the CAM 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 CAM 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 CAM.
- As permits are obtained, send a copy of each approved permit to the CAM.
- If during the course of the Agreement permits are not obtained on time or are denied, notify the CAM 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
- A copy of each approved permit (if applicable)
- 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)

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 CAM 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:

- Draft subcontracts
- Final subcontracts

TECHNICAL TASKS

TASK 2 PHYSICAL IMPROVEMENTS TO UCB FACILITIES at the RFS.

The goal of this task is to make key physical improvements to the University of California, Berkeley (UCB) facilities at the Richmond Field Station (RFS) located at 1301 S. 46th St., Richmond, CA 94804 to make them more functional and appropriate for use in the North CAT effort. This includes, but not limited to, erecting 1-2 outdoor display kiosks adjacent to the main North CAT classroom, erecting additional outdoor signage capability near hydrogen dispensing and testing facility, and A/V upgrades.

The Recipient shall:

- Develop an initial project plan for site improvements for campus approval.
- Contract for design work for the final project plan.
- Receive final campus approval.
- Collect bids for site work.
- Complete site work.

Products:

- Initial campus approval document
- Project design work plan
- Final campus approval document
- Before and after photographs of completed site

TASK 3 PHYSICAL IMPROVEMENTS TO PROSPECT SV

The goal of this task is to make key physical improvements to the Prospect SV center building located at 1608 Las Plumas Ave., San Jose, CA 95133 to make them more functional and appropriate for use in the North CAT effort. This includes, but not limited to, erecting an outdoor display kiosk and exhibit capability.

The Recipient shall:

- Develop a plan for site improvements at Prospect SV site.
- Obtain permits and approvals for site work from City of San Jose.
- Complete site work improvements.

Products:

- Initial plan for site improvements
- Before and after photographs of completed site

TASK 4 PHYSICAL IMPROVEMENTS TO HSU FACILITIES

The goal of this task is to make key physical improvements to the facilities at Humboldt State University located at 1 Harpst St., Arcata, CA 95521 to make them more functional and appropriate for use in the North CAT effort. This includes, but not limited to, improvements to one building classroom/meeting room that has a roof but no full walls by adding walls, windows, electrical wiring, etc., A/V upgrades to a meeting/conference room, and erecting additional outdoor signage and exhibit area.

The Recipient shall:

- Develop an initial project plan for site improvements for campus approval, including both building interior and exterior site improvements.
- Receive final campus approval.
- Collect bids for site work.
- Complete site work.

Products:

- Initial project plan
- Final campus approval document
- Before and after photographs of completed site

TASK 5 PHYSICAL IMPROVEMENTS TO RFS FACILITIES

The goal of this task is to make physical improvements to facilities to provide the infrastructure for a future “vehicle technology test-bed/showcase,” with space to be shared by Lawrence Berkeley National Lab (LBNL) and UCB at the RFS site located at 1301 S. 46th St., Richmond, CA 94804. This includes, but not limited to, a concrete pad and shelter, with room for one light-duty or medium-duty vehicle to park under the roof, wiring and conduit modifications, a display area, and an integrated power system test stand with video display capabilities for future showcase/training/educational opportunities.

The Recipient shall:

- Develop a project site plan for the physical improvements needed to construct the vehicle technology test-bed/showcase facility at RFS.
- Obtain final RFS/campus approval for site work.
- Complete site work improvements by working with campus to obtain a qualifying bid package from a licensed contractor and then overseeing the site work.
- Procure and install vehicle technology test stand / display system.

Products:

- Initial plan for site improvements
- Campus/LBNL approval documents as needed
- Before and after photographs of completed site work

TASK 6 PHYSICAL IMPROVEMENTS TO CAFCP FACILITY

The goal of this task is to make key physical improvements to the facilities at the California Fuel Cell Partnership located at 3300 Industrial Blvd. Suite 1000, West Sacramento, CA 95691 to make them more functional and appropriate for use in the North CAT effort. This includes, but not limited to, improving audio/visual and IT capability and coordinating physical display and educational materials implementation with the larger center effort.

The Recipient shall:

- Develop a plan for conference room A/V system improvements to harmonize with North CAT physical and virtual infrastructure plan.
- Obtain any needed approvals from building owner.
- Procure and install A/V equipment.

Products:

- Initial building improvement plan
- Final approvals from building owner
- Before and after photographs of completed site

TASK 7 DEVELOP NORTH CAT INST. INFRASTRUCTURE AND MANAGEMENT PLANS

Recipient shall develop the key North CAT Physical and Virtual Infrastructure Management, and Center Development Plans” (CDP), as part of an overall center operations or “Project Management Plan (PMP).” The scope of the PMP shall be limited to providing for the general operations of North CAT. In addition, the PMP shall develop plans for the development of the center within the term of this grant agreement, per the project scope of work. Along with helping to guide the technical tasks, the PMP will help to inform the grant reporting and management requirements in Task 1, and also help with advisory group and stakeholder engagement. Further program plans associated with center activities will be developed separately, as additional center activities are added. The center PMP will be developed in close collaboration with the full project team, the project Advisory Group as it gets developed and engaged, and the Energy Commission CAM. Each element of the PMP would be revised and expanded on an annual basis, per the Project Schedule.

The Recipient shall:

- Develop a Physical Infrastructure Management Plan, which shall:
 - Assess North CAT partner physical infrastructure and associated resources;
 - Plan for extensions of physical infrastructure through project funds and additional funds; and
 - Include a physical infrastructure maintenance and operations plan.
- Develop a Virtual Infrastructure Management Plan, which shall:
 - Assess North CAT partner virtual infrastructure systems and capabilities;
 - Plan for extensions of project virtual infrastructure through project funds and additional funds;
 - Establish North CAT center web domain and initial web presence; and
 - Include a virtual infrastructure maintenance plan.
- Develop a Center Development Plan, which shall:
 - Identify strategic center growth/development and leveraging opportunities;
 - Develop advisory group outreach and engagement plan; and
 - Execute initial center outreach for development purposes by attending and operating a booth at the annual ACT Expo conference and additional conferences and workshops related to alternative fuels and advanced vehicle technologies.

Products:

- A Project Management Plan (PMP) consisting of:
 - A Physical Infrastructure Management Plan
 - A Virtual Infrastructure Management Plan
 - A link to the URL of the North CAT website
 - A Center Development Plan

Notice of Exemption

Appendix E

To: Office of Planning and Research
P.O. Box 3044, Room 113
Sacramento, CA 95812-3044

County Clerk

County of: _____

From: (Public Agency): California Energy Commission
Fuels and Transportation Division MS 27
1516 9th Street , Sacramento, CA 95814-5512

(Address)

Project Title: North CAT (Northern California Center for Alternative Transportation Fuels and Advanced \

Project Applicant: The Regents of the University of California, Berkeley campus

Project Location - Specific:

Multiple locations in Northern California. Please see attached list of locations.

Project Location - City: Multiple locations Project Location - County: Multiple locations

Description of Nature, Purpose and Beneficiaries of Project:

North CAT will develop a network of physical locations, institutional arrangements, and virtual communications systems to eventually conduct a broad range of alternative fuel and advanced vehicle technology showcase/demonstration, training and outreach, and project facilitation programs.

Name of Public Agency Approving Project: California Energy Commission

Name of Person or Agency Carrying Out Project: The Regents of the University of California, Berkeley cam

Exempt Status: **(check one):**

Ministerial (Sec. 21080(b)(1); 15268);

Declared Emergency (Sec. 21080(b)(3); 15269(a));

Emergency Project (Sec. 21080(b)(4); 15269(b)(c));

Categorical Exemption. State type and section number: 15301, 15303, 15304

Statutory Exemptions. State code number: _____

Reasons why project is exempt:

All the facilities are existing facilities, and physical improvements only involve adding display kiosks, exhibit capability, additional outdoor signage capability, running wires to existing testing/lab facilities, classroom/meeting room improvements, and audio/visual and IT capability improvements. The project will have no significant adverse impact on the environment. Thus, the sections 15301, 15303, and 15304 apply.

Lead Agency

Contact Person: Miki Crowell Area Code/Telephone/Extension: 916-653-0363

If filed by applicant:

1. Attach certified document of exemption finding.

2. Has a Notice of Exemption been filed by the public agency approving the project? Yes No

Signature: _____ Date: _____ Title: Energy Specialist

Signed by Lead Agency Signed by Applicant

Authority cited: Sections 21083 and 21110, Public Resources Code.
Reference: Sections 21108, 21152, and 21152.1, Public Resources Code.

Date Received for filing at OPR: _____

NOE Attachment

Northern California Center for Alternative Transportation Fuels and Advanced Vehicle Technologies

ARV-13-021

Facility	Location
UC Berkeley / Lawrence Berkeley National Laboratory – Richmond Field Station	1301 S. 46 th St., Richmond, CA 94804
Humboldt State University	1 Harpst St., Arcata, CA 95521
Prospect Silicon Valley	1608 Las Plumas Ave., San Jose, CA 95133
California Fuel Cell Partnership	3300 Industrial Blvd. Suite 1000, West Sacramento, CA 95691

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - REGARDING: GRANT AWARD to the Regents of the University of California, Berkeley campus under PON-13-605

WHEREAS, the Regents of the University of California, Berkeley campus (UC Berkeley) seeks a grant from the State Energy Resources Conservation and Development Commission (Energy Commission) to develop the infrastructure for the Northern California Center for Alternative Transportation Fuels and Advanced Vehicle Technologies (North CAT); and

WHEREAS, the center will provide a physical and advanced web/internet-networked location for education, training, demonstration, and full-scale deployment of alternative transportation fuels and advanced vehicle technologies in the Northern California region; and

WHEREAS, North CAT will bring together a cutting-edge team of leading organizations spanning the Northern California region with a wide coverage of advanced vehicle and alternative fuel training, outreach, and project development programs;

WHEREAS, the Energy Commission finds that the facilities to be modified to provide the needed infrastructure are existing facilities, and that the proposed physical improvements involve only adding display kiosks, exhibit capability, additional outdoor signage capability, running wires to existing testing/lab facilities, classroom/meeting room improvements, and audio/visual and IT capability improvements, and that these modification to existing facilities will have no significant adverse impact on the environment;

THEREFORE, BE IT RESOLVED, that the Energy Commission has determined that the project is exempt from CEQA because it consists of minor alterations to existing facilities, installation of small new equipment, and/or minor alterations to the condition of the land falling within the categorical exemptions of CEQA Guidelines, Title 14 California Code of Regulations sections 15301, 15303, and 15304.

BE IT FURTHER RESOLVED, that the Energy Commission approves Agreement # ARV-13-021 with UC Berkeley for \$1,566,667, with the accompanying grant agreement, to develop the proposed infrastructure for North CAT as described in the agreement.

FURTHER BE IT RESOLVED, that this document authorizes the Executive Director to 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 May 14, 2014.

AYE: [List of Commissioners]

NAY: [List of Commissioners]

ABSENT: [List of Commissioners]

ABSTAIN: [List of Commissioners]

Harriet Kallemeyn,
Secretariat