

CONTRACT REQUEST FORM (CRF)



A) New Agreement 600-17-010 (To be completed by CGL Office)

600 Fuels and Transportation Division	Akasha Kaur Khalsa	27	916-657-4854
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Lawrence Berkeley National Laboratory	94-2951741
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MyGreenCar Plug-In Electric Vehicle Education and Charging Station Analyses

7 / 01 / 2018	6 / 30 / 2021	\$ 100,000
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- Operational agreement (see CAM Manual for list) to be approved by Executive Director
- ARFVTP agreements \$75K and under delegated to Executive Director.

Proposed Business Meeting Date	06 / 13 / 2018	<input type="checkbox"/> Consent	<input checked="" type="checkbox"/> Discussion
Business Meeting Presenter	Noel Crisostomo	Time Needed:	5 minutes

Please select one list serve. **Altfuels (AB118- ARFVTP)**

Agenda Item Subject and Description

Proposed resolution approving Agreement 600-17-010 with U.S. Department of Energy's Lawrence Berkeley National Laboratory for a \$100,000 contract to analyze use of the MyGreenCar application in California. MyGreenCar will use driver trip information to predict energy use and costs to potential new car buyers to reduce driver uncertainties with plug-in electric vehicle use.

1. 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 .
2. 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 section number: 14 CCR section 15306 – categorical exemption for information collection includes data collection, research, and resource evaluation activities which do not result in a serious or major disturbance to an environmental resource.
 - Common Sense Exemption. 14 CCR 15061 (b) (3)
 Explain reason why Agreement is exempt under the above section:
 - 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	

Legal Company Name:	Budget	SB	MB	DVBE
Green Light Labs, Inc.	\$ 20,000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	\$ 0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	\$ 0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Legal Company Name:

CONTRACT REQUEST FORM (CRF)



J) Budget Information			
Funding Source	Funding Year of Appropriation	Budget List No.	Amount
ARFVTP	2016-17	600.118F	\$100,000
Funding Source			\$
R&D Program Area:	Select Program Area		\$100,000
Explanation for "Other" selection			
Reimbursement Contract #:		Federal Agreement #:	

Name:	Betsy Quayle	Name:	Samveg Saxena
Address:	Lawrence Berkeley National Laboratory 1 Cyclotron Road, MS 56A-0120	Address:	Lawrence Berkeley National Laboratory 1 Cyclotron Road, MS 90R-1121
City, State, Zip:	Berkeley, CA 94720	City, State, Zip:	Berkeley, CA 94720
Phone:	510-486-7391	Fax:	- -
Phone:	510-486-6148	Fax:	510-486-5454
E-Mail:	bequayle@lbl.gov	E-Mail:	ssaxena@lbl.gov

Solicitation Select Type Solicitation #: - - # of Bids: Low Bid? No Yes
 Non Competitive Bid (Attach CEC 96)
 Exempt Other Governmental Entity

Private Company (including non-profits)
 CA State Agency (including UC and CSU)
 Government Entity (i.e. city, county, federal government, air/water/school district, joint power authorities, university from another state)

If yes, check appropriate box: No Yes
 SB MB DVBE

Not Applicable (Agreement is with a CA State Entity or a membership/co-sponsorship)
 Public Resources Code 25620, et seq., authorizes the Commission to contract for the subject work. (PIER)
 The Services Contracted:
 are not available within civil service
 cannot be performed satisfactorily by civil service employees
 are of such a highly specialized or technical nature that the expert knowledge, expertise, and ability are not available through the civil service system.
 The Services are of such an:
 urgent
 temporary, or
 occasional nature
 that the delay to implement under civil service would frustrate their very purpose.
Justification:
 MyGreenCar is a software tool designed by, and exclusively licensed by the U.S. Department of Energy's Lawrence Berkeley National Laboratory. It is not available anywhere else.

A. Reimbursement in arrears based on:
 Itemized Monthly Itemized Quarterly Flat Rate One-time
 B. Advanced Payment
 C. Other, explain:

1. Is Agreement subject to retention? No Yes
 If Yes, Will retention be released prior to Agreement termination? No Yes



R) Justification of Rates

Lawrence Berkeley National Laboratory's rates for staff salary and overheaded costs are audited and approved by the U.S. Department of Energy.

- 1. Exempt (Interagency/Other Government Entity)
- 2. Meets DVBE Requirements DVBE Amount:\$ 0 DVBE %: _____
 Contractor is Certified DVBE
 Contractor is Subcontracting with a DVBE: _____
- 3. Contractor selected through CMAS or MSA with no DVBE participation.
- 4. Requesting DVBE Exemption (attach CEC 95)

- 1. Will there be Work Authorizations? No Yes
- 2. Is the Contractor providing confidential information? No Yes
- 3. Is the contractor going to purchase equipment? No Yes
- 4. Check frequency of progress reports
 Monthly Quarterly Other... _____
- 5. Will a final report be required? No Yes
- 6. Is the Agreement, with amendments, longer than a year? If yes, why? No Yes
 A 3-year agreement increases the sample size, and allows for more analyses reports for the Commission.

- 1. Exhibit A, Scope of Work N/A Attached
- 2. Exhibit B, Budget Detail N/A Attached
- 3. CEC 96, NCB Request N/A Attached
- 4. CEC 95, DVBE Exemption Request N/A Attached
- 5. CEQA Documentation N/A Attached
- 6. Resumes N/A Attached
- 7. CEC 105, Questionnaire for Identifying Conflicts N/A Attached

 Agreement Manager Date Office Manager Date Deputy Director Date

EXHIBIT A

SCOPE OF WORK

TASK LIST

Task #	Task Name
1	Administrative Tasks
2	Launch MyGreenCar Outreach
3	Develop Systems Necessary for Commercial Operations
4	Develop Analytical Interfaces and User Reports
5	Outreach, Commercialization, and Analytics Report

ACRONYMS

Specific acronyms follow:

Acronym	Definition
API	Application Programming Interfaces
App	Application
ARFVTP	Alternative and Renewable Vehicle and Technology Program
CCM	Commission Contract Manager
Contractor	Lawrence Berkeley National Laboratory operated by the University of California at Berkeley on behalf of the U.S. Department of Energy, LBNL
PEV	Plug-In Electric Vehicle
Subcontractor	Green Light Labs, Inc., GLL
U.S. EPA	United States Environmental Protection Agency
ZEV	Zero Emission Vehicle

BACKGROUND

Assembly Bill 118 (Núñez, Chapter 750, Statutes of 2007) created the Alternative and Renewable Fuel and Vehicle Technology Program (ARFVTP). This statute, amended by Assembly Bill 109 (Núñez, Chapter 313, Statutes of 2008) and later by Assembly Bill 8 (Perea, Chapter 401, Statutes of 2013), authorizes the California Energy Commission (Energy Commission) to “develop and deploy innovative technologies that transform California’s fuel and vehicle types to help attain the state’s climate change policies.”

Assembly Bill 8 extends funding for ARFVTP until January 1, 2024 and specifies that the Energy Commission allocate up to \$20 million per year (or up to 20 percent of each fiscal year’s funds) in funding for hydrogen station development until at least 100 stations are operational. 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.

PROBLEM STATEMENT

The ARFVTP financially supports projects that conduct public education and promotion of alternative fuels, vehicles, and infrastructure. Pursuant to Executive Order B-16-2012, which calls for 1.5 million zero emission vehicles (ZEVs) deployed across California by 2025, the 2016 ZEV Action Plan identifies an elevated priority to raise consumer awareness and education about ZEVs. Nationwide, most consumers are still unaware of plug-in electric vehicles (PEVs) and have misperceptions about required range and charging. Of particular concern, despite California's recent efforts to promote ZEVs, University of California at Davis longitudinal consumer surveys have not identified material increases in public awareness of basic ZEV information. As of 2017, PEVs accounted for almost 5% of annual new car sales in California. In comparison, achieving the B-16-2012 and B-48-18 targets for 1.5 million ZEVs by 2025 and 5 million ZEVs by 2030 would require the PEV market to expand exponentially at 20% annual growth. Given the scale and speed expected of this transformation, there is a pressing need for specialized consumer education and engagement tools to increase general understanding of the viability of electrification to support mainstream mobility demands.

MyGreenCar, a pre-existing smartphone application, automatically detects driver trips with GPS. It uses vehicle physics models validated by the U.S. Environmental Protection Agency (EPA) to predict energy consumption and costs, and educates prospective new car buyers on the suitability of PEVs. The actual personal transportation vehicle miles driven are revealed and the energy needs are listed. ARFVTP funding will allow MyGreenCar to scale in support of a network of established organizations' PEV education and purchase campaigns, avoid duplicative creation of tools used for EV range adequacy, charger availability, and fueling cost. MyGreenCar will allow the Commission to analyze travel and behavioral data that enhances charging infrastructure analysis and infrastructure investments, and the understanding of driver behaviors.

OBJECTIVES OF THE AGREEMENT

The Energy Commission requests the assistance of the Contractor to develop and deploy the MyGreenCar application and software technology in California. MyGreenCar intends to accelerate Plug-In Electric Vehicle (PEV) adoption by supporting a network of established organizations' education and outreach campaigns to encourage the purchase of PEVs. Surveys of MyGreenCar technology users will provide the Energy Commission data to improve charging infrastructure analysis and siting activities under the ARFVTP and electricity demand forecasting.

The contractor will provide to the Energy Commission development and public education and promotion services as described herein.

1. Launch the MyGreenCar software application throughout California to assist with government, non-profit organization, community, and industry stakeholder outreach efforts to encourage PEV adoption.
2. Develop systems that link prospective PEV buyers to automotive dealerships in California order to enable MyGreenCar to operate with commercial independence.
3. Develop analytical interfaces to enable the Energy Commission to utilize aggregated MyGreenCar travel behavior data to inform investments, understand needs of PEV drivers, and analyze policy related to charging infrastructure.

Contractor will summarize the impact of the investment within a final summary report at the end of the first year of the agreement and three, annual reports on the California MyGreenCar user-base during the three year term of the agreement.

The services shall be performed at the LBNL located at: 1 Cyclotron Road, Berkeley, CA 94720.

The services shall be provided during July 2, 2018 to June 30, 2021.

The Project Representatives during the term of this Agreement will be:

Department: Fuels and Transportation Division	Facility Operator Name: Lawrence Berkeley National Laboratory
Name: Akasha Kaur Khalsa, Commission Contract Manager	Name: Samveg Saxena, Principal Investigator
Address: California Energy Commission 1516 Ninth Street, MS 27 Sacramento, CA 95814	Address: Lawrence Berkeley National Laboratory 1 Cyclotron Road, MS 90R-1121 Berkeley, CA 94720
Phone: 916-657-4854	Phone: (510) 486 - 6148
Fax: (916) 654-4676	Fax: (510) 486 - 5454
Email: akasha.khalsa@energy.ca.gov	Email: ssaxena@lbl.gov

Please direct all administrative inquiries to:

Department: Fuels and Transportation Division	Facility Operator Name: Lawrence Berkeley National Laboratory
Section/Unit: Biofuels Unit	Section/Unit: Innovations and Partnerships Office
Attention: Akasha Kaur Khalsa	Attention: Betsy Quayle
Address: California Energy Commission 1516 Ninth Street, MS 27 Sacramento, CA 95814	Address: Lawrence Berkeley National Laboratory 1 Cyclotron Road, MS 56A-0120 Berkeley, CA 94720
Phone: 916-657-4854	Phone: (510) 486-7391
Fax: (916) 654-4676	Fax:
Email: akasha.khalsa@energy.ca.gov	Email: bequayle@lbl.gov

The parties may change their Project Representative upon providing ten (10) days written notice to the other party.

FORMAT/REPORTING REQUIREMENTS

Deliverables/Reports

When creating reports, the Contractor shall use and follow, unless otherwise instructed in writing by the Commission Contract Manager (CCM), the latest version of the Consultant Reports Style Manual published on the Energy Commission's web site:

http://www.energy.ca.gov/contracts/consultant_reports/index.html

Each final deliverable shall be delivered as one original, reproducible, 8 ½" by 11", camera-ready master in black ink. Illustrations and graphs shall be sized to fit an 8 ½" by 11" page and readable if printed in black and white.

Electronic File Format

The Contractor shall deliver an electronic copy (CD ROM or memory stick or as otherwise specified by the CCM) of the full text in a compatible version of Microsoft Word (.docx).

The following describes the accepted formats of electronic data and documents provided to the Energy Commission as contract deliverables and establishes the computer platforms, operating systems and software versions that will be required to review and approve all software deliverables.

- Data sets shall be in Microsoft (MS) Access or MS Excel file format.
- PC-based text documents shall be in MS Word file format.
- Documents intended for public distribution shall be in PDF file format, with the native file format provided as well.
- Project management documents shall be in MS Project file format.

Software Application Development

If this scope of work includes any software application development, including but not limited to databases, websites, models, or modeling tools, contractor shall utilize the following standard Application Architecture components in compatible versions:

- Microsoft ASP.NET framework (version 3.5 and up) Recommend 4.0
- Microsoft Internet Information Services (IIS), (version 6 and up) Recommend 7.5
- Visual Studio.NET (version 2008 and up) Recommend 2010
- C# Programming Language with Presentation (UI), Business Object and Data Layers
- SQL (Structured Query Language)
- Microsoft SQL Server 2008, Stored Procedures Recommend 2008 R2
- Microsoft SQL Reporting Services Recommend 2008 R2
- XML (external interfaces)

Any exceptions to the Software Application Development requirements above must be approved in writing by the Energy Commission Information Technology Services Branch.

ADMINISTRATIVE TASKS

Task 1 – Agreement Management

The goal of this task is to carry out agreement administration.

Task 1.1 Kick-off Meeting

The goal of this task is to establish the lines of communication and procedures for implementing this Agreement.

The Contractor shall:

- Attend a “kick-off” meeting with the CCM, the Energy Commission Contracts Officer and a representative of the Energy Commission Accounting Office. The meeting will be held via WebEx or teleconference. The Contractor shall include their Project Manager, Contracts Administrator, Accounting Officer and others designated by the CCM, as practicable, who are familiar with this agreement and are capable of addressing any issues that may or may not arise in this meeting. The administrative and technical aspects of this Agreement will be discussed at the meeting.
- If necessary, prepare an updated Schedule of Deliverables and Due Dates based on the decisions made in the kick-off meeting.

The CCM shall:

- Arrange the meeting including scheduling the date and time.
- Provide an agenda to all potential meeting participants prior to the kick-off meeting.

Deliverables:

- An Updated Schedule of Deliverables (if applicable)

Task 1.2 Invoices

The goal of this task is to ensure invoices reflect the Terms and Conditions.

The Contractor shall:

- Prepare invoices for all reimbursable expenses incurred performing work under this Agreement in compliance with the Exhibit B of the Terms and Conditions of the Agreement. Invoices shall be submitted with the same frequency as progress calls (Task 1.3). Invoices must be submitted to the Energy Commission’s Accounting Office.

Deliverables:

- Invoices

Task 1.3 Progress Calls

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

The Contractor shall:

- Schedule conference calls to provide project updates and discuss any outstanding issues monthly. This activity comprises at least 10 conference calls.

Deliverables:

- Progress Conference Calls during the Reporting Period

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 Contractor 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 Contract Manager within 10 days of the end of the reporting period. The recommended specifications for each progress report are:
 1. Status of Outreach Partnerships (refer to Task 2)
 2. When identified, the mechanism for LBNL or its subcontractor to securely store data collected from the MyGreenCar application for the term of this agreement (refer to Task 3)
 3. Report on plans to develop other mechanisms that enable MyGreenCar technology to achieve commercially-independent operations (refer to Task 3)
 4. When identified, the dealership network platforms with which MyGreenCar will integrate (refer to Task 3)
 5. Progress on Application Programming Interfaces to link users with dealership network platforms and other platforms that may be identified during the term of the agreement (refer to Task 3)
 6. As they are developed, briefly describe the methodologies for calculating the analytical cases (refer to Task 4)
 7. Status of the web-based interface (refer to Task 4)
 8. Report the Project Success Metrics (refer to Task 5)
 9. Indicate requests for development feedback or support from CCM
 10. List activities planned for the subsequent reporting period
 11. Highlight project contingencies, potential issues, or risks

Product:

- Monthly Progress Reports

Task 1.5 Final Meeting

The goal of this task is to discuss closeout of this Agreement and review the project.

The Contractor shall:

- Meet with Energy Commission staff prior to the term end date of this Agreement via WebEx or teleconference. This meeting will be attended by the Contractor Project Manager and the CCM. The CCM will determine any additional appropriate meeting participants, as practicable. The administrative and technical aspects of Agreement closeout will be discussed at the meeting.
- Present findings, conclusions and recommended next steps (if any) for the Agreement.
- Prepare a written document of meeting agreements and unresolved activities.
- Prepare a schedule for completing the closeout activities for this Agreement, based on determinations made within the meeting.

Deliverables:

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

TECHNICAL TASKS

Task 2 - Launch MyGreenCar Outreach

This task is to scale MyGreenCar to prospective car buyers across California. Integrating with community-based outreach partners across California to drive purchases of EVs will support the growth of a widespread user-base and assist partner organization objectives. PEV purchases resulting from this task will support the partner organizations' objectives to reduce transportation emissions and generate the revenue required for underlying operational costs of the application, staffing, and server systems.

The Contractor shall:

- Send the CCM a letter confirming the release the MyGreenCar application, version 4.1.0 (36) or later, for mobile devices for public use, containing a URL.
- Create and deliver to the CCM an Outreach Blueprint with plans to promote end-user downloads of the MyGreenCar app that encourage the purchase of PEVs through means including, but not limited to: partnerships, memorandums of understanding, or commercial agreements.
- Establish marketing and outreach written agreements and/or partnerships with organizations including but not limited to Center for Sustainable Energy, California Air Resources Board, California Public Utilities Commission, electric utilities, Non-Governmental Organizations, Air Quality Management Districts, cities, community-based organizations, and private entities statewide.
- Direct partners to coordinate MyGreenCar application deployment in coordination with PEV and charging infrastructure incentive programs.
- Work with partners to ensure that outreach for MyGreenCar is distributed throughout California, with a particular effort to engage the residents of Disadvantaged Communities, as defined by CalEnviroScreen 3.0.

- Report on the status of partnerships with organizations that utilize MyGreenCar within their PEV outreach programs within the Monthly Progress Reports, including but not limited to:
 - List type of written agreement, signing date, expiration date, cost, and obligations.
 - Describe the nature of the partner's engagement including but not limited to targeted messages, funding, promotion, event attendance, advertising efforts, link on website, and collateral materials published.

Deliverables:

- Outreach Blueprint
- Letter confirming the availability of the MyGreenCar mobile application for public download
- Status Reports of Outreach Partnerships

Task 3 – Develop Systems Necessary for Commercial Operations

The goal of this task is to provide education to prospective PEV purchasers to remove the uncertainty regarding the adequacy of a PEV so that they may take actions toward acquiring a PEV. Specifically, MyGreenCar intends to link a user of the application to an automotive dealer in order to accelerate the PEV sales cycle. This task will support efforts of the Contractor and Subcontractor, to co-develop and encode lead generation systems necessary for MyGreenCar to become commercially self-sustaining, independent from Energy Commission funding. The Subcontractor Green Light Labs, Inc. is a San Jose-based small and minority-owned business (Certification Support Documents pending) with exclusive license to the MyGreenCar technology, acquired through LBNL's Fairness of Opportunity policy regarding the licensure of lab intellectual property. The software developed through this task will enable MyGreenCar to gain revenue by using dealer networks to connect prospective PEV buyers with local automotive dealerships.

The Contractor shall:

- In coordination with its subcontractor, Green Light Labs, Inc., develop systems utilizing the MyGreenCar technology to match prospective buyers to automotive dealerships to accelerate the purchases of PEVs.
- Provide a copy of the executed LBNL-GLL exclusive licensure agreement, redacting confidential information as necessary.
- Develop and implement a mechanism for LBNL or its subcontractor to securely store data collected from the MyGreenCar application for the term of the agreement. This may include but is not limited to a contract, or services agreement for data storage executed independently from this agreement.
- Identify the dealership network platforms with which the MyGreenCar application will integrate.
- Develop application programming interfaces (APIs) necessary to link MyGreenCar users with dealership network platforms.
- Develop the ability for the MyGreenCar application to offer a prospective purchaser of a specific PEV model the means to contact a local dealership that stores such a model regarding their interest or intent purchase, or the

- converse. Invite Outreach Partners to a webinar presentation demonstrating the lead generation interface.
- Develop other mechanisms that enable the MyGreenCar technology to achieve commercially-independent operations, including but not limited to the sale of data collected through the application to automotive dealers or other users of PEV industry data.

Deliverables:

- Copy of Licensure Agreement
- List of Dealer Network Platforms
- Webinar demonstrating Lead Generation Interface

Task 4- Develop Analytical Interfaces and User Reports

The goal of this task is to analyze data collected from the MyGreenCar user-base to quantify project impact and develop web-based user interfaces for external analysts. Detailed analysis enabled through this task will support CEC infrastructure needs assessments, data collection, and policy and program analysis.

The Contractor shall:

- Identify additional analytical cases that may be developed to utilize MyGreenCar spatiotemporal data. The analytical cases should include but are not limited to:
 - User PEV electric energy consumption,
 - User PEV charging energy load profile,
 - User-desired locations of charging infrastructure beyond existing public charging stations and associated expansion of travel range,
 - Comparison of greenhouse gas emissions from current vehicles and considered PEVs, comparing MyGreenCar analysis with the EPA Fuel Economy Labels (“Moroney stickers”),
 - PEV financial incentive program costs, benefits, and efficacy,
 - Charging infrastructure financial incentive program costs, benefits, and efficacy.
- In consultation with the CCM, finalize and implement the additional analytical cases utilizing MyGreenCar.
- Describe methodologies for calculating the analytical cases.
- Develop MyGreenCar application surveys, targeted messages, and associated user interfaces to receive and process user input data beyond that contained in MyGreenCar version 4.1.0 (36), including but not limited to:
 - Manually-input origins and destinations to plan trips,
 - User-desired charging station locations,
 - Existing charging stations,
 - Geo-targeted messages about incentives or educational opportunities,
 - Survey of user attitudes on electric vehicles and charging infrastructure.
- In consultation with the CCM, develop a web-based interface to permit the Energy Commission to review results of MyGreenCar analytical cases, using aggregated information that does not disclose personally-identifiable or confidential and protected information.
- Provide a mechanism for Energy Commission users to authenticate their access to the web-based analytical interface.
- At the end of each year, for all three years of this agreement, report on the analytical cases performed on the surveyed MyGreenCar users residing in California, as developed and implemented within this task in consultation with and as approved by the CCM.

Products:

- Status Reports on the development of the Web-based Analytical Interface
- Authenticated links for Energy Commission staff to use the MyGreenCar Web-based Analytical Interface
- First Year California MyGreenCar Users Report
- Second Year California MyGreenCar Users Report
- Third Year California MyGreenCar Users Report

Task 5- Outreach, Commercialization, and Analytics Report

The goal of this task is to provide a report on the technical activities of this Agreement that summarizes accomplishments, the effectiveness of partnerships, the capabilities and analyses of the application, and quantifies the project's impact.

The Contractor shall:

- Determine and choose metrics of project success in consultation with Outreach Partners.
- Perform analytics using the Project Success Metrics including but not limited to: number of application downloads, generalized usage patterns, spatial distribution of application downloads, and vehicle types considered, and/or vehicle types purchased by MyGreenCar users.
- Complete a Final Report summarizing the results of Tasks 2, and 3, including the results of outreach partnerships, development of systems needed for commercially-independent operations, and the development of analytical cases to allow external users to learn from aggregated MyGreenCar data.
 - Append the First Year California MyGreenCar Users Report per Task 4 to the California-wide MyGreenCar Launch Report.
- .
- Invite Outreach Partners to a presentation demonstrating all features of the MyGreenCar application and outcomes of the project. Record that webinar. Share that recording with CCM.

Products:

- Presentation for Outreach Partners
- California-wide MyGreenCar Launch Report
- Webinar Recording

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: DOE - LAWRENCE BERKELEY NATIONAL LABORATORY

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 600-17-010 with U.S. Department of Energy's Lawrence Berkeley National Laboratory for a \$100,000 contract to analyze use of the MyGreenCar application in California. MyGreenCar will use driver trip information to predict energy use and costs to potential new car buyers to reduce driver uncertainties with plug-in electric vehicle use; 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 13, 2018.

AYE: [List of Commissioners]

NAY: [List of Commissioners]

ABSENT: [List of Commissioners]

ABSTAIN: [List of Commissioners]

Cody Goldthrite,
Secretariat