

CONTRACT REQUEST FORM (CRF)



A) New Agreement 300-15-002 (To be completed by CGL Office)

B) Division	Agreement Manager:	MS-	Phone
300 Energy Research and Development Division	Brad Williams	51	916-327-3312

C) Contractor's Legal Name	Federal ID Number
Cal Poly Corporation	95-1648180

D) Title of Project
Agricultural Support for the Water Energy Technology Program

E) Term and Amount	Start Date	End Date	Amount
	7 /01 / 2015	3 / 31 / 2018	\$ 125,000

F) Business Meeting Information

Operational agreement (see CAM Manual for list) to be approved by Executive Director

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

Proposed Business Meeting Date	7/ 8 / 2015	<input type="checkbox"/> Consent	<input checked="" type="checkbox"/> Discussion
Business Meeting Presenter	Brad Williams	Time Needed:	10 minutes

Please select one list serve. AgProgram (Agriculture and Energy Program)

Agenda Item Subject and Description

Proposed resolution approving Agreement 300-15-002 with Cal Poly Corporation for a \$125,000 contract to provide technical support to the agriculture element of the Water Energy Technology Program. The purpose of this program is to accelerate the deployment of innovative water and energy saving technologies and reduce greenhouse gas emissions. The first phase of the program focuses on innovative technologies for the agriculture sector.

G) California Environmental Quality Act (CEQA) Compliance

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":

This Agreement is not a project under CEQA because it is part of the Water Energy Technology (WET) Program that Governor's Executive Order B-29-15 authorizes (section 17) and exempts (section 26) from CEQA requirements. Even without the exemption in the Executive Order, this Agreement is not project under CEQA because it will not cause direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment. The contractor will provide technical assistance to the Energy Commission for the agricultural component of WET, including identifying appropriate technologies, evaluating project applications, and verifying project installations and benefits.

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: _____

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	

H) List all subcontractors (major and minor) and equipment vendors: (attach additional sheets as necessary)

Legal Company Name:	Budget	SB	MB	DVBE
	\$ 0	<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"/>

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



Legal Company Name:

J) Budget Information

Funding Source	Funding Year of Appropriation	Budget List No.	Amount
Other	2015/16		\$125,000
Funding Source			\$
R&D Program Area: N/A		TOTAL:	\$125,000
Explanation for "Other" selection: Greenhouse Gas Reduction Fund			
Reimbursement Contract #:		Federal Agreement #:	

K) Contractor's Administrator/ Officer

Contractor's Administrator/ Officer				Contractor's Project Manager			
Name:	Melissa Mullen, Director Sponsored Prog			Name:	Stuart Styles		
Address:	California Polytechnical State University 1 Grand Avenue			Address:	California Polytechnical State University 1 Grand Avenue		
City, State, Zip:	San Luis Obispo, CA 93407-0730			City, State, Zip:	San Luis Obispo, CA 93407-0730		
Phone:	805-756-5729	Fax:	- -	Phone:	805-756-2429	Fax:	- -
E-Mail:	mrmullen@calpoly.edu			E-Mail:	sstyles@calpoly.edu		

L) Selection Process Used (For amendments, address amendment exemption or NCB, do not identify solicitation type of original agreement.)

Solicitation Select Type Solicitation #: - - # of Bids: Low Bid? No Yes
 Non Competitive Bid (Attach CEC 96)
 Exempt This contract is part of the Water Energy Technology (WET) Program authorized by the Governor's Executive Order B-29-15, section 17. Section 31 of the Executive Order exempts WET contracts from public contracting requirements, including competitive bidding. Even without this exemption, this contract would not require competitive bidding because it is with another government entity.

M) Contractor Entity Type

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)

N) Is Contractor a certified Small Business (SB), Micro Business (MB) or DVBE? No Yes

If yes, check appropriate box: SB MB DVBE

O) Civil Service Considerations

Not Applicable (See justification below)
 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:

This contract is part of the Water Energy Technology (WET) Program authorized by the Governor's Executive Order B-29-15, section 17. Section 31 of the Executive Order exempts WET contracts from the Government Code provisions applicable to public contracts, which includes the civil service requirements contained in section 19130 et seq.



P) Payment Method

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

Q) Retention

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

R) Justification of Rates

The rates paid under this agreement are comparable to rates paid by the Energy Commission for similar services that were competitively bid.

S) Disabled Veteran Business Enterprise Program (DVBE)

1. Exempt (Executive Order B-29-15, Section 31)
 2. Meets DVBE Requirements DVBE Amount:\$ 0 DVBE %: _____
 Contractor is Certified DVBE
 Contractor is Subcontracting with a DVBE: Name of DVBE Company
 3. Contractor selected through CMAS or MSA with no DVBE participation.
 4. Requesting DVBE Exemption (attach CEC 95)

T) Miscellaneous Agreement Information

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
 The agreement term is consistent with the liquidation date for the Greenhouse Gas Reduction fund.

U) The following items should be attached to this CRF (as applicable)

1. Exhibit A, Scope of Work	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Attached
2. Exhibit B, Budget Detail	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Attached
3. CEC 96, NCB Request	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Attached
4. CEC 30, Survey of Prior Work	<input type="checkbox"/> N/A	<input type="checkbox"/> Attached
5. CEC 95, DVBE Exemption Request	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Attached
6. CEQA Documentation	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Attached
7. Resumes	<input type="checkbox"/> N/A	<input type="checkbox"/> Attached
8. CEC 105, Questionnaire for Identifying Conflicts		<input checked="" type="checkbox"/> Attached

 Agreement Manager Date Office Manager Date Deputy Director Date

Exhibit A Scope of Work

I. TASK ACRONYM/TERM LISTS

TASK LIST

Task #	CPR ¹	Task Name
1		General Project Tasks
2		WET Program Design
3		Program Implementation
4		Project Verification
5		Technical Support

ACRONYM/GLOSSARY

Acronym/Term	Definition
CAM	Commission Agreement Manager
CAO	Commission Agreement Officer
CDFA	California Department of Food and Agriculture
CIT	Center for Irrigation Technology
CPUC	California Public Utilities Commission
Energy Commission	California Energy Commission
GHG	Greenhouse Gas
ITRC	Irrigation Training and Research Center
PC	Pressure Compensating
PG&E	Pacific Gas and Electric
SWEEP	State Water Efficiency and Enhancement Program
WET	Water Energy Technology

II. PURPOSE OF AGREEMENT, PROBLEM/SOLUTION STATEMENT, AND GOALS AND OBJECTIVES

A. Purpose of Agreement:

The purpose of this agreement is to secure technical assistance to support the Energy Commission's Water Energy Technology Program. The technical assistance will include program design, implementation, project monitoring and verification of energy, water and greenhouse gas reductions, and technology evaluation and support.

In response to California's drought, Governor Brown's Executive Order (B-29-15) outlines bold steps to save water, increase enforcement of water use standards, streamline the state's drought response, and invest in new technologies to make California more drought-resilient.² In

¹Please see subtask 1.3 in Part III of the Scope of Work (General Project Tasks) for a description of Critical Project Review (CPR) Meetings.

²The Governor's Executive Order B-29-15, Item 17, states: "The California Energy Commission, jointly with the Department and the Water Board, shall implement a Water Energy Technology (WET) program to deploy innovative

an effort to accelerate innovative water and energy saving technologies, the California Energy Commission, jointly with the Department of Water Resources and the State Water Resources Control Board, will implement the Water Energy Technology (WET) program and provide funding for emerging technologies that meet the following criteria:

- Display significant potential for both water and energy savings, and greenhouse gas emissions.
- Demonstrate actual operation beyond the R&D stage.
- Document readiness for rapid, large-scale deployment (but not yet widely deployed) in California.

Examples of potential eligible technologies are those that will reduce on-farm water use, net energy use, and greenhouse gas emissions, and that are not widely deployed in California but have high potential for savings. The technologies can involve but not limited to low-pressure, precision agriculture, and integrated irrigation solutions that can include moisture sensing, remote sensing to estimate crop stress, water-use monitoring software, irrigation scheduling technologies, pressure compensating (PC) emitters, low pressure filters, variable frequency drive motors, regulation valves, flow meters, regulated deficit irrigation practices, leak detection, and/or other integrated strategies. However, the technologies, either individually or as a system, must directly reduce on-farm energy and water use and result in greenhouse gas emission reductions.

B. Problem/ Solution Statement:

Problem

On April 1, 2015, Governor Brown's Executive Order B-29-15 outlined bold steps to save water, increase enforcement of water use standards, streamline the state's drought response, and invest in new technologies to make California more drought-resilient. One of the new programs outlined in Executive Order B-29-15 is the Water Energy Technology (WET) program. In an effort to accelerate innovative water and energy technologies, the Energy Commission will implement the WET program in three phases. The first phase of the program focuses on advancing energy and water reducing technologies for agriculture. California's agricultural sector uses approximately 34 million acre-feet annually. Expanding and deploying innovative energy and water efficient irrigation methods to this sector will help reduce water consumption and reduce greenhouse gas emissions. Due to the seasonal nature of agriculture and the urgency of the drought, the services of an organization that is technology astute with deep technical knowledge and credibility in the agricultural community is needed to accelerate deployment of the agriculture portion of the WET program starting summer 2015.

Solution

The Contractor will provide technical knowledge and experience in developing and designing the WET program for the agricultural sector. The Contractor will identify suitable advanced technologies for the agriculture rebate/grant programs; evaluate and recommend applications for funding; evaluate new technologies for rebate/grant consideration; and verify project installations

water management technologies for businesses, residents, industries, and agriculture. This program will achieve water and energy savings and greenhouse gas reductions by accelerating use of cutting edge technologies such as renewable energy powered desalination, integrated on site reuse systems, water use monitoring software, irrigation system timing and precision technology and on farm precision technology."

and benefits, if requested by the Commission Agreement Manager (CAM). The Contractor will also provide recommendations for rebate program design and provide estimates of energy, water and greenhouse gas emission reductions associated with the recommendations. The Contractor will determine that projects funded under the WET program are not duplicative of projects funded by the rebates and incentives from other programs (i.e., State, utility or water/irrigation district) and the total amount of all incentives do not exceed 100% of the total project cost. Other programs include but are not limited to the California Department of Food and Agriculture's State Water Efficiency & Enhancement Program (SWEET) and PG&E's Agricultural Pumping Efficiency Program.

C. Goals and Objectives of the Agreement

Agreement Goals

The goals of this Agreement are to:

- Reduce on-site net water use.
- Reduce on-site energy use.
- Reduce greenhouse gas emissions.
- Identify advanced technologies and integrated systems that can help reduce the drought impact in the agricultural sector.
- Verify water, energy, and greenhouse gas reductions from a statistical sample of completed projects to determine overall cost effectiveness and impact on crop yields.

Benefits: This Agreement will result in water and energy savings and greenhouse gas reductions by accelerating use of cutting-edge technologies on farms and documenting the benefits. The result is to demonstrate the benefits so that more widespread deployment of this technology will be possible.

Advancing deployment of innovative water energy technologies: This Agreement will provide funding to advance deployment of cutting-edge technologies to achieve the goals of the Governor's Executive Order B-29-15, Assembly Bill 32, the Global Warming Solutions Act of 2006, the Energy Commission's Integrated Energy Policy Report, and the CPUC's proceeding on the Water Energy Nexus.³

Agreement Objectives

The objectives of this Agreement are to:

- Develop a program implementation plan that includes:
 - Identification of advanced, innovative technologies that can reduce water and energy use and greenhouse gas emissions in the agricultural sector.
 - Recommendation on rebate levels for recommended technologies or strategies.
 - Recommended measurement and verification protocol for recommended technologies or strategies, including how project results will be verified for energy, water, and GHG reductions.
 - Assistance in the development of an application and program delivery documents.
 - Coordination with the California Department of Food Agriculture, water, and irrigation districts, irrigation distributors, utilities, and others to prevent duplicative work and incentives.

³ Assembly Bill 32: www.arb.ca.gov/cc/ab32/ab32.htm;

- Implement the agricultural phase of the WET Program based on the approved program implementation plan.
- Propose changes, as needed, to improve WET program implementation.

III. TASK 1 GENERAL PROJECT TASKS

DELIVERABLES

Subtask 1.1 Deliverables

The goal of this subtask is to establish the requirements for submitting project Deliverables (e.g., reports, summaries, plans, and presentation materials). Unless otherwise specified by the Commission Agreement Manager (CAM), the Contractor must deliver deliverables as required below by the dates listed in the **Project Schedule (Part V)**. Deliverables that require a draft version are indicated by marking “**(draft and final)**” after the deliverable name in the “Deliverables” section of the task/subtask. If “(draft and final)” does not appear after the product name, only a final version of the product is required. With respect to due dates within this Scope of Work, “**days**” means working days.

The Contractor shall:

For deliverables that require a draft version

- Submit all draft deliverables to the CAM for review and comment in accordance with the Project Schedule (Part V). The CAM will provide written comments to the Contractor on the draft product within 15 days of receipt, unless otherwise specified in the task/subtask for which the product is required.
- Submit the final product to the CAM once agreement has been reached on the draft. The CAM will provide written approval of the final product within 15 days of receipt, unless otherwise specified in the task/subtask for which the product is required.
- If the CAM determines that the final product does not sufficiently incorporate his/her comments, submit the revised product to the CAM within 10 days of notice by the CAM, unless the CAM specifies a longer time period.

For deliverables that require a final version only

- Submit the product to the CAM for approval.
- If the CAM determines that the product requires revision, submit the revised product to the CAM within 10 days of notice by the CAM, unless the CAM specifies a longer time period.

For all deliverables

- Submit all data and documents required as deliverables in accordance with the following Instructions for Submitting Electronic Files and Developing Software:
 - **Electronic File Format**
Submit all data and documents required as deliverables under this Agreement in an electronic file format that is fully editable and compatible with the Energy Commission’s software and Microsoft (MS)-operating computing platforms, or with any other format approved by the CAM. Deliver an electronic copy of the full text of any Agreement data and documents in a format specified by the CAM, such as memory stick or CD-ROM.

The following describes the accepted formats for electronic data and documents provided to the Energy Commission as deliverables under this Agreement, and establishes the software versions that will be required to review and approve all software deliverables:

- Data sets will be in MS Access or MS Excel file format (version 2007 or later), or any other format approved by the CAM.
- Text documents will be in MS Word file format, version 2007 or later.
- Documents intended for public distribution will be in PDF file format. The Contractor must also provide the native Microsoft file format.
- Project management documents will be in Microsoft Project file format, version 2007 or later.
- **Software Application Development (not applicable)**

Any exceptions to the Electronic File Format requirements above must be approved in writing by the CAM. The CAM will consult with the Energy Commission's Information Technology Services Branch to determine whether the exceptions are allowable.

MEETINGS

Subtask 1.2 Kick-off Meeting

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

The Contractor shall:

- Attend a "Kick-off" meeting with the CAM, the Commission Agreement Officer (CAO), and any other Energy Commission staff relevant to the Agreement. The Contractor will bring its Project Manager and any other individuals designated by the CAM to this meeting. The administrative and technical aspects of the Agreement will be discussed at the meeting. Prior to the meeting, the CAM will provide an agenda to all potential meeting participants. The meeting may take place in person or by electronic conferencing (e.g., WebEx), with approval of the CAM.

The administrative portion of the meeting will include discussion of the following:

- Terms and conditions of the Agreement;
- Administrative deliverables (subtask 1.1);
- Any other relevant topics.

The technical portion of the meeting will include discussion of the following:

- The CAM's expectations for accomplishing tasks described in the Scope of Work;
 - An updated Project Schedule;
 - Technical deliverables (subtask 1.1);
 - Progress reports and invoices (subtask 1.5);
 - Final Report (subtask 1.6);
 - Any other relevant topics.
- Provide an *Updated Project Schedule* as needed to reflect any changes in the documents.

The CAM shall:

- Designate the date and location of the meeting.
- Send the Contractor a *Kick-off Meeting Agenda*.

Contractor Deliverable(s):

- Updated Project Schedule (*if applicable*)

CAM Deliverable(s):

- Kick-off Meeting Agenda

REPORTS AND INVOICES

Subtask 1.3 Progress Reports and Invoices

The goals of this subtask are to: (1) periodically verify that satisfactory and continued progress is made towards achieving the project objectives of this Agreement; and (2) ensure that invoices contain all required information and are submitted in the appropriate format.

The Contractor shall:

- Submit a monthly *Progress Report* to the CAM. Each progress report must:
 - Summarize all Agreement activities conducted by the Contractor for the preceding month, including an assessment of the ability to complete the Agreement within the current budget and any anticipated cost overruns. See the Progress Report Format Attachment for the recommended specifications.
 - Provide a synopsis of the project progress, including accomplishments, problems, milestones, deliverables, schedule, fiscal status, and any evidence of progress such as photographs.
- Submit a *Monthly Invoice* that follows the instructions in the “Payment of Funds” section of the terms and conditions. In addition, each invoice must document and include an updated copy of the Monthly Database Reports from Task 3 for the period covered by the invoice.

Contractor Deliverable(s):

- Monthly Progress Report(s)
- Monthly Invoice(s)

Subtask 1.4 Final Report

The goal of this subtask is to prepare a comprehensive Final Report that describes the original purpose, approach, results, and conclusions of the work performed under this Agreement. The CAM will review and approve the Final Report, which will be due at least **two months** before the Agreement end date. When creating the Final Report Outline and the Final Report, the Contractor must use a Style Manual provided by the CAM.

Subtask 1.4.1 Final Report Outline

The Contractor shall:

- Prepare a *Final Report Outline* in accordance with the *Style Manual* provided by the CAM.
- Submit a draft of the outline to the CAM for review and comment.

- Once agreement has been reached on the draft, submit the final outline to the CAM. The CAM will provide written approval of the final outline within 10 days of receipt.

Contractor Deliverable(s):

- Final Report Outline (draft and final)

CAM Deliverable(s):

- Style Manual

Subtask 1.4.2 Final Report

The Contractor shall:

- Prepare a *Final Report* for this Agreement in accordance with the approved Final Report Outline and the Style Manual provided by the CAM.
- Submit a draft of the report to the CAM for review and comment. Once agreement on the draft report has been reached, the CAM will forward the electronic version for Energy Commission internal approval. Once the CAM receives approval, he/she will provide written approval to the Contractor.
- Submit one bound copy of the Final Report to the CAM.

Deliverables:

- Final Report (draft and final)

IV. TECHNICAL TASKS

*Deliverables that require a draft version are indicated by marking “(draft and final)” after the product name in the “Deliverables” section of the task/subtask. If “(draft and final)” does not appear after the product name, only a final version of the product is required. **Subtask 1.1 (Deliverables)** describes the procedure for submitting deliverables to the CAM.*

TASK 2: WET Program Design

The purpose of this task is to develop and provide technical assistance in identifying technologies for rebates, amounts, and methods of verifying savings and reductions in the Agricultural Phase of the WET Program that implements Governor Brown’s Executive Order B-29-15, Item 17.

The Contractor shall:

- Develop and prepare a *Program Implementation Plan* that will include the following at a minimum:
 - Method for determining and identifying advanced, innovative technologies that can reduce on-farm water, energy, and greenhouse gas emissions in the agriculture sector, considering the following at a minimum:
 - Meets the technological criteria as indicated in Section II, A and not sufficiently funded by other incentive/rebate programs.
 - Track record of the technology manufacturer in completing successful projects.
 - Minimum performance metrics/standards for each technology or strategy (e.g., specify testing standards or certifications requirements).
 - Likelihood of being able to successfully achieve and sustain the required reductions and savings.
 - Whether there are environmental, operational, or other potential complications that could make the project inappropriate or difficult to complete,
 - Develop list of proposed innovative technologies for the rebate program, including:

- Methodology for estimating baseline and post retrofit energy, water, and GHG reductions, and assumptions.
- Rebate amount, including rationale for the recommended amount.
- Develop *Pre- and Post Retrofit Monitoring and Verification Plan* for funded projects, including but not limited to:
 - Verifying installation and correct operation of each project.
 - Verifying estimated and actual energy and water savings and greenhouse gas reductions using methodology provided by the CAM.
- Program dissemination to manufacturers, distributors, and others.

Contractor Deliverables:

- Program Implementation Plan (draft and final)
- Pre- and Post Retrofit Monitoring Verification Plan (draft and final)

TASK 3: Program Implementation

The objective of this task is to distribute information about the WET Program to prospective interested parties, review assigned WET Program applications as noted in Task IV, make recommendations on program funding, and track progress of the application, if funded.

The Contractor shall:

- Distribute WET Program materials according to the Program Implementation Plan in Task 2
- Enter project data into an Energy Commission prepared database and / or spreadsheet of assigned projects , including, but not limited to the information listed below:
 - project name
 - technology description
 - location
 - disadvantaged community benefits
 - expected energy savings, water savings, and GHG emission reductions
 - reserved and actual rebate amount
 - total project cost
 - date application received
 - date installation complete
 - baseline estimate of savings and estimate of actual savings
- Participate in monthly calls with the CAM or more frequently if determined by CAM.
- Provide a copy of the *Monthly Database Report* that indicates the new projects/rebates since the previous Monthly Database Report was provided to the CAM. The Database Report will be provided at least 2 days prior to the monthly call.

Contractor Deliverable(s):

- Monthly Database Reports

TASK 4: Project Verification

The purpose of this task is to verify pre- and post retrofit installation conditions and verify actual energy and water savings.

Contractor shall:

- Implement Monitoring and Verification Plan(s) from Task 2
- Review the monitoring and verification plan completed in Task 2 and identify the need for any changes in a *Monitoring and Verification Update Memo*.
- Identify a statistically significant sample of recipients for detailed monitoring, including methodology for determination of recipients
- Verify pre and post retrofit installation of the funded technology and identify any actions and installation anomalies or issues in the Monthly Database Report from Task 3.
- Provide evaluations of installed technologies, including, but not limited to;
 - Establish pre-installation baseline energy use, water use, and greenhouse gas emissions.
 - Quantify post retrofit installation energy savings, water savings and greenhouse gas reductions

- Document and provide results to CAM in *Pre- and Post- Retrofit Monitoring and Verification Report(s)* for the statistical sample.

Contractor Deliverable(s):

- Monitoring and Verification Update Memo(s)
- Pre- and Post- Retrofit Monitoring and Verification Report(s)

TASK 5: Technical Support

The purpose of this task is to provide technical reviews of applications and proposals, provide evaluations of potential technologies to determine energy, and water savings and greenhouse gas reductions, assist with project troubleshooting, and provide WET program outreach.

When directed by the CAM the Contractor shall provide WET technical support, including, but not limited to:

- Assist with organization of workshops/conferences for the WET program
- Provide WET program outreach
- Review WET Program applications for technical feasibility and conformance with program requirements (e.g., not widely deployed)
- Provide evaluations of applications for proposed technologies for rebates and grants, including, but not limited to;
 - a. Verification of estimated energy and water savings and greenhouse gas reductions. Provide documentation and assumptions used in the evaluation and the revised energy and water savings and greenhouse gas reductions..
 - b. Document results of the review and provide recommendation regarding acceptance into the rebate program or the grant. Provide the documentation in *Technology Notification Memo(s)*. The memo must include the following, at a minimum: 1) recommended rebate level; 2) expected or deemed energy and water savings associated with the technology or grant request; 3) reasons and justification if technology or grant request is not recommended for funding.
- Provide recommendations to rebate applicants, if applicable, for changes or modifications needed to complete evaluation of their applications.
- Provide troubleshooting assistance for WET Program projects that are not meeting its energy and water saving goals.
- Address project specific technical questions or issues related to the WET program, debrief unsuccessful applicants, and/or proponents of unsuccessful technologies/strategies for the WET Program.
- Evaluate and recommend improvements to increase program effectiveness and achievement of goals.
- Provide emails to CAMs responding to technical support requests.

Deliverables

- Technology Notification Memo(s)

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: CAL POLY CORPORATION

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

RESOLVED, that the Energy Commission approves Agreement 300-15-002 with the **Cal Poly Corporation** for **\$125,000** contract to provide technical support to the agricultural element of the Water Energy Technology Program. The purpose of this program is to accelerate the deployment of innovative water and energy saving technologies and reduce greenhouse gas emissions. The first phase of the program focuses on innovative technologies for the agricultural sector; 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 July 8, 2015.

AYE: [List of Commissioners]

NAY: [List of Commissioners]

ABSENT: [List of Commissioners]

ABSTAIN: [List of Commissioners]

Harriet Kallemeyn,
Secretariat