

GRANTS/CONTINGENT AWARD REQUEST



To: Grants and Loans Office

Date: 5/26/2010

Project Manager: Kiel Pratt

Phone Number: 916 654-4012

Office: Energy Efficiency Research Office

Division: Energy Research and Development

MS- 49

Project Title: CASCADE Clean Energy System for Water and Wastewater

Type of Request: (check one)

**New Agreement:** (include items A-F from below) Agreement Number: PIR-10-011

Program: Industrial/ Ag/ Water

Solicitation Name and/or Number: PON08006-22 (Emerging Technology Demonstration Grant (ETDG))

Legal Name of Recipient: Cascade Clean Energy, Inc.

Recipient's Full Mailing Address: 10610 Morengo Dr.  
Cupertino, CA 95014-3514

Recipient's Project Officer: Charles Zhou Phone Number: 408-203-8325

Agreement Start Date: 9/27/2010 Agreement End Date: 9/27/2013

**Amendment:** (Check all that apply) Agreement Number: \_\_\_\_\_

Term Extension – New End Date: \_\_\_\_\_

Work Statement Revision (include Item A from below)

Budget Revision (include Item B from below)

Change of Scope (include Items A – F as applicable from below)

Other: \_\_\_\_\_

ITEMS TO ATTACH WITH REQUEST:

- A. Work Statement
- B. Budget
- C. Recipient Resolution, if applicable. (Resolution may be requested in Special Conditions if not currently available.)
- D. Special Conditions, if applicable.
- E. CEQA Compliance Form
- F. Other Documents as applicable
  - Copy of Score Sheets
  - Copy of Pre-Award Correspondence
  - Copy of All Other Relevant Documents

California Environmental Quality Act (CEQA)

CEC finds, based on recipient's documentation in compliance with CEQA:

Project exempt: \_\_\_\_\_ NOE filed: \_\_\_\_\_

Environmental Document prepared: \_\_\_\_\_ NOD filed: \_\_\_\_\_

Other: \_\_\_\_\_

CEC has made CEQA finding described in CEC-280, attached

Funding Information:

\*Source #1: NG Amount: \$ \$204,981.00 Statute: 09- FY: 10-11 Budget List #: 501.001D

\*Source #2: PIER-E Amount: \$ \$195,019.00 Statute: 09- FY: 10-11 Budget List #: 501.027H

\*Source #3: \_\_\_\_\_ Amount: \$ \_\_\_\_\_ Statute: \_\_\_\_\_ FY: \_\_\_\_\_ Budget List #: \_\_\_\_\_

If federally funded, specify federal agreement number: \_\_\_\_\_

\* Source Examples include ERPA, PIER-E, PIER-NG, FED, GRDA, ARFVT, OTHER.

Business Meeting Approval: (refer to Business Meeting Schedule)

Proposed Business Meeting Date: 8/11/2010  Consent  Discussion

Business Meeting Participant: Kiel Pratt Time Needed: 5 minutes

Agenda Notice Statement: (state purpose in layperson terms)

Possible approval of a  Grant /  Contingent Award to...

Possible approval of this agreement PIR-10-011 in the amount of \$400,000 with Cascade Clean Energy, Inc. to demonstrate the use of different strains of bacteria to enhance methane production from a pilot-scale anaerobic digester at a wastewater treatment plant in Dublin, CA. This project could increase methane production by 30% and maximize the recovery of renewable energy from wastewater and sludge.

Project Manager \_\_\_\_\_ Date \_\_\_\_\_ Office Manager \_\_\_\_\_ Date \_\_\_\_\_ Deputy Director \_\_\_\_\_ Date \_\_\_\_\_