



To: Grants and Loans Office

Date: 10/3/2012

Project Manager: Cheryl Closson

Phone Number: 916-327-2312

Office: Energy Generation Research Office

Division: Energy Research and Development

MS- 43

Project Title: Carbon Nanotube Membranes for Energy Efficient CO2 Separation

**Type of Request:** (check one)

**New Agreement:** (include items A-F from below) Agreement Number: Assigned by G&L Office

Program: PIER E / Energy Technology Systems Integration

Solicitation Name and/or Number: \_\_\_\_\_

Legal Name of Recipient: Porifera Inc.

Recipient's Full Mailing Address: 3507 Breakwater Ave  
Hayward, CA 94545-3610

Recipient's Project Officer: Olgica Bakajin Phone Number: 510 695 2777

Agreement Start Date: 12/1/2010 Agreement End Date: 11/30/2012

**Amendment:** (Check all that apply) Agreement Number: PIR-10-036

Term Extension – New End Date: 11/29/2013

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: \_\_\_\_\_ Amount: \$ \_\_\_\_\_ Statute: \_\_\_\_\_ FY: \_\_\_\_\_ Budget List #: \_\_\_\_\_

\*Source #2: \_\_\_\_\_ Amount: \$ \_\_\_\_\_ Statute: \_\_\_\_\_ FY: \_\_\_\_\_ Budget List #: \_\_\_\_\_

\*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: 11/14/2012  Consent  Discussion

Business Meeting Participant: Cheryl Closson Time Needed: minutes

**Agenda Notice Statement:** (state purpose in layperson terms)

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

Possible approval of Amendment 1 to agreement PIR-10-036 with Porifera Inc. for a 12 month no-cost time extension. This no-cost time extension is needed because Porifera's Department of Energy (DOE) American Recovery and Reinvestment Act (ARRA) award and final report due dates were extended beyond the term of the current Commission agreement. By extending the Commission agreement, all reports from the DOE ARRA agreement will be available to the Commission. (PIER electricity funding)

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

**Exhibit A  
Attachment A-1**

November 14, 2012

**Schedule of Products and Due Dates**

<b>Task Name</b>	<b>Product(s)</b>	<b>Planned Start Date</b>	<b><u>Amend. #1 Planned Start Date</u></b>	<b>Due Date</b>	<b><u>Amend. #1 Due Date</u></b>
<b>Attend Kick-off Meeting</b>		<b>12/1/2010</b>		<b>12/15/2010</b>	
	Updated Schedule of Products	12/1/2010		12/15/2010	
	Updated List of Match Funds	12/1/2010		12/15/2010	
	Updated List of Permits	12/1/2010		12/15/2010	
	Kick-Off Meeting Agenda (CEC)	12/1/2010		12/15/2010	
<b>Critical Project Review Meetings</b>		<b>8/8/2011</b>		<b>10/3/2011</b>	
	CPR Report	8/8/2011		8/24/2011	
1st CPR Meeting	Agenda and a list of expected participants (CEC)	9/1/2011		9/9/2011	
	Schedule for written determination (CEC)	9/16/2011		9/19/2011	
	Written determination (CEC)	9/16/2011		10/3/2011	
<b>Final Meeting</b>		<b>10/1/2012</b>	<b><u>10/1/2013</u></b>	<b>11/1/2012</b>	<b><u>11/1/2013</u></b>
	Written documentation of meeting agreements	10/15/2012	<b><u>10/15/2013</u></b>	11/1/2012	<b><u>11/1/2013</u></b>
	Schedule for completing closeout activities	10/15/2012	<b><u>10/15/2013</u></b>	11/1/2012	<b><u>11/1/2013</u></b>
	DOE correspondence on project findings and results	10/1/2012	<b><u>10/1/2013</u></b>	10/15/2012	<b><u>10/15/2013</u></b>
<b>Quarterly Progress Reports</b>		<b>12/1/2010</b>		<b>10/30/2012</b>	<b><u>8/1/2013</u></b>
	Quarterly Progress Reports	12/1/2010		10/30/2012	<b><u>8/1/2013</u></b>
	Copies of DOE progress reports, correspondence, meeting summaries, and special status reports	12/1/2010		10/30/2012	<b><u>8/1/2013</u></b>
<b>Final Report</b>		<b>5/1/2012</b>	<b><u>5/1/2013</u></b>	<b>9/3/2012</b>	<b><u>9/3/2013</u></b>
	Draft Final Report, including a copy of the draft report submitted to DOE	5/1/2012	<b><u>5/1/2013</u></b>	6/1/2012	<b><u>6/3/2013</u></b>
	Final Report, including a copy of the final report submitted to DOE	7/2/2012	<b><u>7/2/2013</u></b>	9/3/2012	<b><u>9/3/2013</u></b>
	Copies of DOE final closeout reports, including patent certification and property certification, as appropriate	7/2/2012	<b><u>7/2/2013</u></b>	9/3/2012	<b><u>9/3/2013</u></b>
	Written correspondence from DOE regarding acceptance of final report	7/2/2012	<b><u>7/2/2013</u></b>	9/3/2012	<b><u>9/3/2013</u></b>
<b>Identify and Obtain Match Funds</b>		<b>12/1/2010</b>		<b>6/1/2012</b>	
	A letter regarding match funds	12/2/2010		12/15/2010	

**Exhibit A**  
**Attachment A-1**  
**Schedule of Products and Due Dates**

Copy(ies) of each match fund commitment letter(s) (if applicable)	12/1/2010		12/15/2010	
Letter(s) for new match funds (if applicable)	12/16/2010		6/1/2012	
Letter that match funds were reduced (if applicable)	12/16/2010		6/1/2012	
<b>Identify and Obtain Required Permits</b>	<b>12/1/2010</b>		<b>12/15/2010</b>	
Letter documenting the permits or stating that no permits are required	12/1/2010		12/15/2010	
A copy of each approved permit (if applicable)	N/A		N/A	
Updated list of permits as they change during the term of the Agreement (if applicable)	N/A		N/A	
Updated schedule for acquiring permits as changes occur during the term of the Agreement (if applicable)	N/A		N/A	
<b>DOE Contract Management</b>	<b>12/1/2010</b>		<b>10/15/2010</b>	<b><u>7/2/2013</u></b>
Perform administrative tasks as required by DOE	12/1/2010		10/15/2010	<b><u>7/2/2013</u></b>
<b>MEMBRANE FABRICATION</b>	<b>12/1/2010</b>		<b>9/3/2012</b>	<b><u>3/1/2013</u></b>
Copies of DOE scientific/technical reports, conference papers/proceedings, and special status reports (no drafts)	12/1/2010		9/3/2012	<b><u>3/1/2013</u></b>
<b>MEMBRANE FUNCTIONALIZATION</b>	<b>12/1/2010</b>		<b>9/3/2012</b>	<b><u>3/1/2013</u></b>
Copies of DOE scientific/technical reports, conference papers/proceedings, and special status reports (no drafts)	12/1/2010		9/3/2012	<b><u>3/1/2013</u></b>
<b>TEST MEMBRANE CHARACTERISTICS</b>	<b>12/1/2010</b>		<b>9/3/2012</b>	<b><u>3/1/2013</u></b>
Copies of DOE scientific/technical reports, conference papers/proceedings, and special status reports (no drafts)	12/1/2010		9/3/2012	<b><u>3/1/2013</u></b>
CPR Report	8/8/2011		8/24/2011	