

GRANTS/CONTINGENT AWARD REQUEST



To: Grants and Loans Office

Date: 10/3/2012

Project Manager: John Hingtgen

Phone Number: 916-327-1434

Office: Energy Generation Research Office

Division: Energy Research and Development

MS- 43

Project Title: Development of a Non-Contact Drilling Technology for Geothermal Wells

Type of Request: (check one)

Form for New Agreement with fields for Program, Solicitation Name, Recipient Name, Address, Project Officer, and Dates.

Form for Amendment with checkboxes for Term Extension, Work Statement Revision, Budget Revision, Change of Scope, and Other.

ITEMS TO ATTACH WITH REQUEST:

- List of items to attach: A. Work Statement, B. Budget, C. Recipient Resolution, D. Special Conditions, E. CEQA Compliance Form, F. Other Documents.

California Environmental Quality Act (CEQA)

Form for CEQA compliance with checkboxes for CEC finds, project exempt, environmental document, and CEQA finding.

Funding Information:

Form for funding information with fields for Source #1, #2, #3, Amount, Statute, FY, and 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)

Form for business meeting approval with fields for Date, Participant, and Consent/Time Needed.

Agenda Notice Statement: (state purpose in layperson terms)

Possible approval of a Grant / Contingent Award to... Possible approval of amendment 1 to agreement PIR-09-019 for a 5 month no-cost time extension.

I. Instructions for Schedule of Products and Due Dates

This workbook contains the spreadsheet for the Schedule of Products and Due Dates. Items in <blue type> need to be completed. All other items should remain unchanged.

For each Administrative Task, insert the planned start and completion dates. For the Critical Project Reviews (CPRs), add as many CPRs as the project requires. If this form is being completed by an Applicant as part of a proposal to the Energy Commission, leave the CPR sections blank. These sections will be completed by the Energy Commission prior to issuing a funding award.

For each Technical Task, insert the name of each task as it is titled in the Scope of Work, the name of each product(s) associated with each task as they are titled in the Scope of Work (using Caps and Bold), and the planned start and completion dates. Delete or insert rows as necessary.

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

Task Number	Task Name	Product(s)	Planned Start Date	Revised Planned Start Date Amd. #1	Due Date	Revised Planned Due Date Amd. #1
1.1	Attend Kick-off Meeting		8/30/2010		9/15/2010	
		Updated Schedule of Products (no draft)	8/30/2010		9/15/2010	
		Updated List of Match Funds (no draft)	8/30/2010		9/15/2010	
		Updated List of Permits (no draft)	8/30/2010		9/15/2010	
		Kick-Off Meeting Agenda (no draft)	8/30/2010		9/15/2010	
1.2	Critical Project Review Meetings		9/15/2010		10/4/2010	
		CPR Report (s) (no draft)	9/15/2010		10/4/2010	
		DOE correspondence and reporting (no draft)	9/15/2010		10/4/2010	
		CPR Meeting Agenda and a list of expected participants (no draft)	9/15/2010		10/4/2010	
		Schedule for written determination (no draft)	9/15/2010		10/4/2010	
		Written determination	9/15/2010		10/4/2010	
1.3	Final Meeting		09/31/2012	4/30/2013	10/22/2012	5/24/2013
		Written documentation of meeting agreements (no draft)	09/31/2012	4/30/2013	10/22/2012	5/24/2013
		Schedule for completing closeout activities (no draft)	09/31/2012	4/30/2013	10/22/2012	5/24/2013
		DOE correspondence on project findings and results	09/31/2012	4/30/2013	10/22/2012	5/24/2013
1.4	Quarterly Progress Reports	Quarterly Progress Reports (no draft)	Upon full execution of agreement		Within 10 days of the completion of the Quarter during the approved term of this agreement	
		Copies of DOE reporting and meeting summaries	Upon full execution of agreement		Within 5 business days of the completion of report or meeting	
1.5	Final Report		6/18/2012	3/15/2013	8/15/2012	5/15/2013
		Draft Final Report, including a copy of the draft report submitted to DOE	6/18/2012	3/15/2013	7/2/2012	3/29/2013
		Final Report, including a copy of the final report submitted to DOE	7/2/2012	3/29/2013	8/15/2012	5/15/2013
		Written correspondence from DOE regarding acceptance of final report	7/16/2012	4/16/2013	8/15/2012	5/15/2013
1.6	Identify and Obtain Match Funds		8/30/2010		9/15/2010	
		A letter regarding match funds	8/30/2010		9/15/2010	
		Copy(ies) of each match fund commitment letter(s) (if applicable)	8/30/2010		9/15/2010	
		Letter(s) for new match funds (if applicable)	N/A		Within 10 days of identifying new match funds	
		Letter that match funds were reduced (if applicable)	N/A		Within 10 days of identifying new match funds	

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

1.7 Identify and Obtain Required Permits	Letter documenting the permits or stating that no permits are required	8/30/2010		9/15/2010	
		8/30/2010		9/15/2010	
	A copy of each approved permit (if applicable)	N/A		Within 10 days of receiving each permit	
	Updated list of permits as they change during the term of the Agreement (if applicable)	N/A		Within 10 days of change in list of permits	
	Updated schedule for acquiring permits as changes occur during the term of the Agreement (if applicable)	N/A		Within 10 days of change in schedule for obtaining permits	
1.8 Technical Project Management and Reporting		8/30/2010		4/16/2012	5/16/2013
	Go/No Go Milestone Report 1 (no draft)	8/30/2010		9/8/2010	
	Go/No Go Milestone Report 2 (no draft)	8/30/2010		9/8/2010	
	Go/No Go Milestone Report 3 (no draft)	8/30/2010		9/8/2010	
	Project Closing Report	12/19/2011	4/30/2013	4/16/2012	5/16/2013
2 Design and Fabrication of the Bottom Hole Assembly		9/8/2010		9/22/2010	
	BHA modules Wet Test Report (no draft)	9/8/2010		9/22/2010	
	BHA Design Review Report (no draft)	9/8/2010		9/22/2010	
3 Specification and Assembly of Complete Drill Rig		9/8/2010		9/22/2010	
	Drill Rig and Coiled Tubing Test Report (no draft)	9/8/2010		9/22/2010	
	Operational Procedures Report (no draft)	9/8/2010		9/22/2010	
	Drill Rig and Coiled Tubing Design Review Report (no draft)	9/8/2010		9/22/2010	
4 Field Site Preparation		9/8/2010		9/22/2010	
	Starter Wells Test Report (no draft)	9/8/2010		9/22/2010	
	Starter Wells Design Review Report (no draft)	9/8/2010		9/22/2010	
5 Field Trials		8/30/2010		9/15/2010	3/29/2013
	Test Plan (no draft)	8/30/2010		9/15/2010	
	Drilling Program (no draft)	8/30/2010		9/15/2010	
	Operational, Maintenance and Safety Procedures (no draft)	8/30/2010		9/15/2010	
	Field Trial #1 Report (no draft)	10/25/2010		11/17/2010	
	Field Trial #1 Design Review Report (no draft)	11/17/2010		1/17/2011	
	Field Trial #2 Report (no draft)	4/18/2011		5/16/2011	
	Field Trial #2 Design Review Report (no draft)	5/18/2011		7/18/2011	
	Field Trial Demo Report (no draft)	8/17/2011	3/1/2013	9/14/2011	3/15/2013
Field Trial Demo Design Review Report (no draft)	9/19/2011	3/15/2013	11/16/2011	3/29/2013	
6 Research on Advanced Heating Technologies		7/18/2012	10/15/2012	8/15/2012	3/29/2013
	Advanced Heating Technologies Report (no draft)	7/18/2012	10/15/2012	8/15/2012	11/15/2012
	Downhole Mineral Kinetics Report (no draft)	7/18/2012	2/28/2013	8/15/2012	3/29/2013