

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: Ruud Lighting, Inc.

RESOLVED, that the State Energy Resources Conservation and Development Commission (Energy Commission) approves Amendment 1 to Agreement PIR-08-020 with Ruud Lighting, Inc., dba Beta Lighting, to extend the agreement for ten months to March 29, 2013, and change the company name from Ruud Lighting, Inc. dba Beta Lighting to Beta LED by Cree, Inc. due to an acquisition, and reallocate funds between tasks. The project is to demonstrate energy efficient street lighting technology in three major cities. The funding amount remains the same. (PIER electricity funding.)

FURTHER BE IT RESOLVED, that this document authorizes the Executive Director to 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 February 8, 2012.

AYE: [List of Commissioners]

NAY: [List of Commissioners]

ABSENT: [List of Commissioners]

ABSTAIN: [List of Commissioners]

Harriet Kallemeyn,
Secretariat

GRANTS/CONTINGENT AWARD REQUEST



To: Grants and Loans Office

Date: 1/10/2012

Project Manager: Dustin Davis

Phone Number: 916-327-2223

Office: Energy Efficiency Research Office

Division: Energy Research and Development

MS- 43

Project Title: Networked LED Streetlights with Intelligent Controls

Type of Request: (check one)

Form for New Agreement with fields for Program, Solicitation Name, Recipient Name, Address, Project Officer, and Agreement 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... RUUD LIGHTING, INC. Possible approval of Amendment 1 to Agreement PIR-08-020 with Ruud Lighting, Inc., dba Beta Lighting, to extend the agreement for ten months to March 29,2013, change the company name due to the acquisition of Beta Lighting by Ruud Lighting, and reallocate funds between project tasks to demonstrate energy efficient street lighting technology in three major cities. The funding amount remains the same. (PIER electricity funding.) Contact: Dustin Davis.

**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 Due Date Amd. #1
1.1	Attend Kick-off Meeting	Updated Schedule of Products	Effective Date	9/25/2009	7/15/2009	
		Updated List of Match Funds	Effective Date	9/25/2009	7/15/2009	
		Updated List of Permits	Effective Date	9/25/2009	7/15/2009	
		Kick-Off Meeting Agenda (CEC)	Effective Date	9/25/2009	7/15/2009	
1.2	Critical Project Review Meetings	CPR Report	As requested by CEC project manager	At the request of CEC Project Manager	As requested by CEC project manager	
		Agenda and a list of expected participants (CEC)	As requested by CEC project manager	At the request of CEC Project Manager	As requested by CEC project manager	
		Schedule for written determination (CEC)	As requested by CEC project manager	At the request of CEC Project Manager	As requested by CEC project manager	
		Written determination (CEC)	As requested by CEC project manager	At the request of CEC Project Manager	As requested by CEC project manager	
1.3	Final Meeting	Written documentation of meeting agreements	4/15/2012	10/25/2012	5/17/2012	
		Schedule for completing closeout activities	4/15/2012	10/25/2012	5/17/2012	
1.4	Monthly Progress Reports	Monthly Progress Reports	Upon full execution of agreement	Upon full execution of agreement	The 10th of each month during the approved term of this Agreement	
1.5	Final Report	Draft Outline of the Final Report	12/15/2011	8/27/2012	1/13/2012	10/15/2012
		Final Outline of the Final Report	1/16/2012	8/27/2012	2/15/2012	11/15/2012
		Draft Final Report	2/16/2012	9/26/2012	4/13/2012	1/10/2013
		Final Report	4/3/2012	10/25/2012	4/31/2012	1/31/2013
1.6	Identify and Obtain Match Funds	A letter regarding match funds or stating that no match funds are provided	7/1/2009	9/25/2009	7/15/2009	
		Copy(ies) of each match fund commitment letter(s) (if applicable)	7/1/2009	9/25/2009	7/15/2009	
		Letter(s) for new match funds (if applicable)	N/A	N/A	Within 10 days of identifying new match funds	
		Letter that match funds were reduced (if applicable)	N/A	N/A	Within 10 days of identifying new match funds	
1.7	Identify and Obtain Required Permits	Letter documenting the permits or stating that no permits are required	7/1/2009	9/25/2009	7/15/2009	
		A copy of each approved permit (if applicable)	N/A	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	N/A	Within 10 days of change in list of permits	

**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 Due Date Amd. #1
		Updated schedule for acquiring permits as changes occur during the term of the Agreement (if applicable)	N/A	N/A	Within 10 days of change in schedule for obtaining permits	
2.1	System Definition and Development					
	Project Scoping Report		7/1/2009	9/25/2009	8/31/2009	
2.2	Controls Development					
	Preliminary Controls Specification		3/31/2010	9/25/2009	5/31/2010	
2.3	LED Driver Development					
	LED Driver Test Plan		1/31/2010	-	3/1/2010	-
	Detailed LED Node Specification		3/31/2010	-	5/31/2010	-
	Detailed LED Driver Specification		3/31/2010	-	5/31/2010	-
	Final LED Driver Specification & Test Report		4/1/2010	-	5/31/2010	-
2.4	Component / Luminaire Integration					
	Prototype of LED Streetlight with Intelligent Controls		6/1/2010	-	11/1/2010	-
	Test Plan for LED Streetlight with Intelligent Controls		10/1/2010	-	11/1/2010	-
	Test Report for LED Streetlight with Intelligent Controls		1/3/2011	-	1/28/2011	-
	Draft Hardware Sepcification Report for LED Streetlight with Intelligent Controls		1/3/2011	-	1/28/2011	-
2.5	Network Development					
	Prototype of Server Hardware		1/4/2010	-	7/29/2010	-
	System software		1/4/2010	-	7/29/2010	-
	Network System Test Plan		7/1/2010	-	8/16/2010	-
	Network System Test Report		10/15/2010	-	11/15/2010	-
	Draft Network System Specification Report		1/4/2011	-	1/28/2011	-
2.6	Full System Testing					
	Final System Test Plan		1/4/2011	-	2/1/2011	-
	Final System Test Report & Recommendations		3/1/2011	-	3/31/2011	-
2.7	Final System Development					
	Final Hardware Specification Report for LED Steetlight with Intelligent Controls		5/2/2011	5/2/2012	5/31/2011	5/31/2012
	Final Network System Specification Report for LED Streetlight with Intelligent Controls		5/2/2011	5/2/2012	5/31/2011	5/31/2012
3.1	Demonstration Site Selection & Analysis					
	Executed Host Site Agreements		4/1/2011	4/2/2012	5/2/2011	5/2/2012
	Preliminary Demonstration Site Assessment Report		4/1/2011	4/2/2012	5/2/2011	5/2/2012
3.2	Technology Selection, Procurement & Installation					
	Technology Packing & Delivery Slips		9/30/2011	9/28/2012	10/31/2011	10/31/2012
	Installation Summary Reports		11/1/2011	11/1/2012	11/30/2011	11/30/2012
3.3	Technology Monitoring & Evaluation					
	Technology Monitoring Plan		5/2/2011	5/2/2012	6/30/2011	6/29/2012
	Draft Demonstration Report		12/1/2011	11/2/2012	2/28/2012	12/20/2012
	Final Demonstration Report		1/3/2012	11/20/2012	3/30/2012	1/31/2013
4.0	Technology Transfer Activities					
	List of Technologies Transfer Activities		8/1/2011	6/1/2012	8/31/2011	6/29/2012
	Draft Technology Transer Plan		9/30/2011	7/27/2012	11/30/2011	9/28/2012
	Final Technology Transer Plan		11/15/2011	9/14/2012	3/30/2012	1/31/2013

**Exhibit B
Budget Summary**

Task #	Task Name	PIER Funding (\$)	Match Funding (\$)	Total (\$)
1.1	Attend Kick-off Meeting	\$1,520	\$1,130	\$2,650
1.2	Critical Project Review Meetings	\$4,881	\$8,267	\$13,148
1.3	Final Meeting	\$2,069	\$1,781	\$3,850
1.4	Monthly Progress Reports	\$7,359	\$7,182	\$14,541
1.5	Final Report	\$13,895	\$8,568	\$22,463
1.6	Identify & Obtain Matching Funds	\$0	\$565	\$565
1.7	Identify & Obtain Required Permits	\$0	\$500	\$500
2.1	System Definition & Development	\$3,672	\$2,610	\$6,282
2.2	Controls Development	\$44,383	\$42,698	\$87,081
2.3	LED Driver Development	\$17,184	\$59,798	\$76,982
2.4	Component & Luminaire Integration	\$30,361	\$52,078	\$82,439
2.5	Network Development	\$47,978	\$41,709	\$89,687
2.6	Full System Testing	\$10,991	\$960	\$11,951
2.7	Final System Development	\$4,580	\$10,641	\$15,221
3.1	Demonstration Site Selection & Analysis	\$12,159	\$0	\$12,159
3.2	Technology, Selection, Procurement and Installation	\$76,988	\$9,300	\$86,288
3.3	Technology Monitoring & Evaluation	\$10,073	\$0	\$10,073
4	Technology Transfer Activities	\$11,909	\$29,513	\$41,422
	Total	\$300,000	\$277,300	\$57,300

EXHIBIT I
Dated April 11, 2012

NOVATION AGREEMENT
for GRANT NUMBER PIR-08-020

Rudd Lighting, Inc. DBA Beta Lighting, BetaLED by Cree, Inc., and the California Energy Commission, hereinafter referred to as the Energy Commission, in consideration of the promises made herein, agree as follows:

1. On September, 11 2009, Rudd Lighting, Inc. DBA Beta Lighting and the Energy Commission entered into a grant agreement under which Rudd Lighting, Inc. DBA Beta Lighting was to develop and demonstrate a networked area and street light system with integrated, intelligent controls to maximize energy savings, reduce environmental impact, and increase public safety.
2. The parties agree to substitute BetaLED by Cree, Inc., in place of Rudd Lighting, Inc. DBA Beta Lighting with respect to all of the obligations described in grant agreement number PIR-08-020. The total amount of the grant agreement is \$300,000.00
3. Pursuant to this novation, BetaLED by Cree, Inc. promises and agrees to perform the obligations described in grant agreement number PIR-08-020, and accepts all of the terms and conditions of said grant agreement.
4. The Energy Commission hereby discharges Rudd Lighting, Inc. DBA Beta Lighting from its obligation to the Energy Commission under said grant agreement and that all of Rudd Lighting, Inc. DBA Beta Lighting's rights and obligations thereunder are extinguished.

Rudd Lighting, Inc. DBA Beta Lighting

Name: _____ Title: _____
Address: _____

Signature: _____ Date: _____

BetaLED by Cree, Inc.

Name: _____ Title: _____
Address: _____

Signature: _____ Date: _____

CALIFORNIA ENERGY COMMISSION

Name: Rachel Grant Kiley Title: Contracts, Grants and Loans Manager
Address: 1516 9th Street, MS-18, Sacramento, CA 95814

Signature: _____ Date: _____