

**U.S. NUCLEAR REGULATORY COMMISSION  
NOTICE OF GRANT/ASSISTANCE AWARD**

3. GRANT/AGREEMENT NO. NRC-04-10-0150	2. MODIFICATION NO. M001	3. PERIOD OF PERFORMANCE FROM: 09/30/2010 TO: 09/29/2015	4. AUTHORITY Pursuant to Section 31b and 141b of the Atomic Energy Act of 1954, as amended
5. TYPE OF AWARD  <input type="checkbox"/> GRANT <input checked="" type="checkbox"/> COOPERATIVE AGREEMENT	6. ORGANIZATION TYPE  062511126 Nonprofit Organization	7. RECIPIENT NAME, ADDRESS, and EMAIL ADDRESS ELECTRIC POWER RESEARCH INSTITUTE, INC.  3420 HILLVIEW AVE PALO ALTO CA 943041338	
8. PROJECT TITLE: Zorita Internals Research Project			
9. PROJECT WILL BE CONDUCTED PER GOVERNMENT'S/RECIPIENT'S PROPOSAL(S) DATED  See Program Description AND APPENDIX A-PROJECT GRANT PROVISIONS	10. TECHNICAL REPORTS ARE REQUIRED  <input type="checkbox"/> PROGRESS AND FINAL <input type="checkbox"/> FINAL ONLY <input checked="" type="checkbox"/> OTHER (Conference Proceedings)	11. PRINCIPAL INVESTIGATOR(S) NAME, ADDRESS and EMAIL ADDRESS Richard D. Reid, PhD, 650-855-2237 Senior Project Director Electric Power Research Institute 3420 Hillview Avenue Palo Alto CA 94304 rreid@epri.com	
12. NRC PROGRAM OFFICE (NAME and ADDRESS) US Nuclear Regulatory Commission Attn: Robin Barnes Mailstop: CSB-3A07M 21 Church Street Rockville, MD 20850 <a href="mailto:Robin.BarnesRES@nrc.gov">Robin.BarnesRES@nrc.gov</a>	13. ACCOUNTING and APPROPRIATION DATA APPN. NO: Please B&R NO: See JOB CODE: Attached BOC NO: OFFICE ID NO:	14. METHOD OF PAYMENT  <input type="checkbox"/> ADVANCE BY TREASURY CHECK <input type="checkbox"/> REIMBURSEMENT BY TREASURY CHECK <input type="checkbox"/> LETTER OF CREDIT <input checked="" type="checkbox"/> OTHER (SPECIFY) Electronic ASAP.gov (See Remarks in Item #20 "Payment Information")	
15. NRC OBLIGATION FUNDS  THIS ACTION <u>\$433,000.00</u>  PREVIOUS OBLIGATION <u>\$573,000.00</u>  TOTAL <u>\$1,006,000.00</u>	16. TOTAL FUNDING AGREEMENT  This action provides funds for Fiscal Year 2012 in the amount of <u>\$433,000.00</u>  NRC <u>\$1,175,000.00</u>  RECIPIENT <u>\$4,784,594.00</u>  TOTAL <u>\$5,959,594.00</u>		
17. NRC ISSUING OFFICE (NAME, ADDRESS and EMAIL ADDRESS)  U. S. Nuclear Regulatory Commission Div. of Contracts Attn: Erika Eam Mail Stop: TWB-01-B10M Washington, DC 20555			
18.  Acceptance of or objections to the Terms and Conditions of Award must be Emailed to the NRC Issuing Office (Block #17) within three (3) business days following the Award issue date. NRC considers lack of response as acceptance by the grantee of the terms and conditions of award.	19. NRC CONTRACTING OFFICER  <div style="text-align: right;"><u>Sheila Bumpass</u> 03/09/2012 (Date)</div> NAME (TYPED) <u>Sheila Bumpass</u>  TITLE <u>Contracting Officer</u>  TELEPHONE NO. <u>301-492-3484</u>		
20. PAYMENT INFORMATION  Payment will be made through the Automated Standard Application for Payment (ASAP.gov) unless the recipient has failed to comply with the program objectives, award conditions, Federal reporting requirements or other conditions specified in 2 CFR 215 (OMB Circular A110).			
21. Attached is a copy of the "NRC General Provisions for Grants and Cooperative Agreements Awarded to Non-Government Recipients. Acceptance of these terms and conditions is acknowledged when Federal funds are used on this project.			
22. ORDER OF PRECEDENCE  In the event of a conflict between the recipient's proposal and this award, the terms of the Award shall prevail.			
23. By this award, the Recipient certifies that payment of any audit-related debt will not reduce the level of performance of any Federal Program.			

**TEMPLATE - ADM001**

**SUNSI REVIEW COMPLETE**

**ADM002**

The purpose of this modification is to modify **A.2, PERIOD OF COOPERATIVE AGREEMENT.**

The specific changes are as follows:

- A. **2., delete** in its entirety and **replace** with the following:  
 "Funds obligated hereunder are available for program expenditures for the estimated period:  
 September 30, 2010 – September 29, 2015."
- B. **A. GENERAL, 5. NRC Project Officer, delete** in its entirety and **replace** with the following:  
 "Robin Barnes"
- C. **Add** the following in its entirety:  
 "7. Technical Analyst: Matt Hiser"

Provide incremental funding in the amount of \$433,000.00, thereby increasing the total obligated amount from \$573,000.00 to \$1,006,000.00:

D. **B. SPECIFIC, add** the following Accounting and Appropriation Data in its entirety,

"RFP No.: RES-12-129  
 FAIMIS#: GR0132  
 Job Code: K6000  
 BOC: 4110  
 B&R Number: 2012-60-11-6-154  
 Appropriation #: 31X0200  
 Amount Obligated: \$190,760.00

RFP No.: RES-12-129  
 FAIMIS#: 121508  
 Job Code: F6001  
 BOC: 252A  
 B&R Number: 2012-60-11-R-710  
 Appropriation #: 31X0200  
 Amount Obligated: \$242,240.00

AGREEMENT NAME/NUMBER: FCA-SP-17  
 AGREEMENT LINE NUMBER: 2  
 AMOUNT 242,240.00"

Total Agreement Amount: \$1,175,000.00  
 Total Obligated Amount: \$1,006,000.00

*All other Terms and Conditions Remain the Same*