•***										Page 1 of 2		
Grant and Cooperative Agreement										CHOOSE ONE: COOPERATIVE AGREEMENT GRANT		
CHOOSE ONE:	EDU	CATION		s	X	RESEARCH		SDCR				
1. GRANT/COOPERATIVE AGREEMENT NUMBER NRC-04-10-0150				2. SUPPLEMENT NU M0005				CTIVE DATE		4. COMPLETION DATE		
5. ISSUED TO NAME/ADDRESS OF RECIPIENT (No., Street, City/County, State, Zip) ELECTRIC POWER RESEARCH INSTITUTE, INC. 3420 HILLVIEW AVE PALO ALTO CA 943041338					6 ISSUED BY U.S. NRC - HQ Malling Address: Acquisition Management Division Mail Stop: 3WFN-05-C64MP Washington DC 20555-0001							
7. TAXPAYER IDENTIFICATION NO. (TIN)					9. PRINCIPAL INVESTIGATOR/ORGANIZATION'S PROJECT OR PROGRAM MGR. (Name & Phone)							
8. COMMERCIAL & GOVERNMENT ENTITY (CAGE) NO.					Dr. Jean Smith JSmith@epri.com							
10.RESEARCH,PROJECT Zorita Internals										· · · · · · · · · · · · · · · · · · ·		
11. PURPOSE See Schedule on 1 12. PERIOD OF PERFORMA										· · · · · · · · · · · · · · · · · · ·		
09/30/2010 throud	ah 09/	29/2015										
13A		AWARD	HISTORY		13B.			FUNE	UNDING HISTORY			
PREVIOUS				\$1,175,000.00		PREVIOUS		\$1,13		\$1,131,000.00		
THIS ACTION			2	\$75.800.00 \$0.00		THIS ACTION TOTAL				\$0.00		
NON-CASH SHARE				\$0.00						\$1,131,000.00		
RECIPIENT SHARE												
ΤΟΤΑ	L		\$1,2:	50,800.00								
14. ACCOUNTING AND APP	ROPRIA	TION DATA						<u></u>		•		
0000-00000-RECON-	-00-00	0000-00-0-0	000-0000-00	000								
PURCHASE REQUEST NO.	T	JOB O	RDER NO.			AMOUNT				STATUS		
· ·						-				· .		
15. POINTS OF CONTACT		·····						····				
	NAME ER MATTHEW HISER			MAIL ST		TELEPHO				E-MAIL ADDRESS		
TECHNICAL OFFICER	MATTH	EW HISER				301-251-7601		Matthew.	nrc.gov			
	M'LIT	A R. CARR				301-287-09	909	MLita.Ca	rrenrc	. dov		
ADMINISTRATOR PAYMENTS				· · · · · ·								
16. THIS AWARD IS MADE	UNDER T	HE AUTHORITY C	F :			L		I		····		
Pursuant to Sect				omic En	ergy	Act of 19	953, as	amended	•			
17. APPLICABLE STATEMENT(S), IF CHECKED:						18. APPLICABLE ENCLOSURE(S), IF CHECKED:						
X NO CHANGE IS MADE TO EXISTING PROVISIONS									CIAL CONI	DITIONS		
FDP TERMS AND CONDITIONS AND THE AGENCY-SPECIFIC REQUIREMENTS APPLY TO THIS GRANT					i	REQUIRED PUBLICATIONS AND REPORTS						
UNITED STATES OF AMERICA						COOPERATIVE AGREEMENT RECIPIENT						

TEMPLATE - ADMOOF

Enter lan

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ERIKA EAM

CONTRACTING/GRANT OFFICER

SUNSI REVIEW COMPLETE

AUTHORIZED REPRESENTATIVE

DATE

12/03/2013



DATE

## **Grant and Cooperative Agreement**

ITEM NO.		QUANTITY (C)	UNIT (D)	ESTIMATED COST		
	ITEM OR SERVICE (Include Specifications and Special Instructions)			UNIT PRICE (E)	AMOUNT {F}	
(A)	(B) CFDA Number: 77.009	(0)				
	NRC-04-10-0150 - M005 (REQ:RES-14-0029)					
	11. PURPOSE:	ł				
	The purpose of this modification is:					
	1) To increase the total value of the cooperative					
	agreement by \$75,800.00. As a result of this					
	increase the total value of the cooperative					
	agreement has thereby increased by \$75,800.00					
	from \$1,175,000.00 to \$1,250,800.00.					
	2) To change the Office of Regulatory Research					
	(RES) Program Manager from Robin Barnes to Sarah					
	Shaffer (Sarah.Shaffer@nrc.gov, 301-251-7942).					
	In addition, the Backup Program Manager is Chon					
	Davis (Chon.Davis@nrc.gov, 301-251-7567).			[		
	pavis (chon.bavisenic.gov, 501 251 7507).					
	Delivery Location Code: NRCHQ					
	US NRC - HQ					
	DIVISION OF CONTRACTS					
	Payment:	-				
	ASAP GRANT FUNDS REIMBURSEMENT SYS					
	US TREASURY					
	Period of Performance: 09/30/2010 to 09/29/2015					