

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

<b>1. GRANT/AGREEMENT NO.</b> NRC-04-08-144	<b>2. MODIFICATION NO.</b> M002	<b>3. PERIOD OF PERFORMANCE</b> FROM: 10/01/2008 TO: 09/30/2014	<b>4. AUTHORITY</b> Pursuant to Section 31b and 141b of the Atomic Energy Act of 1954, as amended												
<b>5. TYPE OF AWARD</b>  <input type="checkbox"/> GRANT <input checked="" type="checkbox"/> COOPERATIVE AGREEMENT	<b>6. ORGANIZATION TYPE</b>  State Controlled Hi-Ed. Instit	<b>7. RECIPIENT NAME AND ADDRESS</b> REGENTS OF THE UNIVERSITY OF CALIFORNIA, THE UNIVERSITY OF CALIFORNIA, BERKELEY  2150 SHATTUCK AVE RM 313 BERKELEY CA 947045940													
<b>8. PROJECT TITLE:</b> Next Generation Attenuation Models for Central and Eastern US (NGA-East) DUNS: 124726725 Obligate: \$100,000.00 RES-C09-511															
<b>9. PROJECT WILL BE CONDUCTED PER GOVERNMENT'S/RECIPIENT'S PROPOSAL(S) DATED</b> 05/06/2008  <b>AND APPENDIX A-PROJECT GRANT PROVISIONS</b>	<b>10. TECHNICAL REPORTS ARE REQUIRED</b> <input checked="" type="checkbox"/> PROGRESS AND FINAL <input type="checkbox"/> FINAL ONLY <input type="checkbox"/> OTHER (Conference Proceedings)	<b>11. PRINCIPAL INVESTIGATOR(S) NAME AND ADDRESS</b> Professor Stephen Mahin / PEER Director University of CA, Berkeley 325 Davis Hall Mail Code 1792 Berkeley CA 94720-1792													
<b>12. NRC PROGRAM OFFICE (NAME &amp; ADDRESS)</b> U.S. Nuclear Regulatory Commission Office of Nuclear Regulatory Research Attn: Mr. Richard Rivera-Lugo Mail Stop C5A 24M Washington, DC 20555 Tel. (301) 251-7652	<b>13. ACCOUNTING &amp; APPROPRIATION DATA</b> APPN. NO: 31X0200.960 B&R NO: 9-60-15-171-277 JOB CODE: K6681 BOC NO: BOC: 4110 OFFICE ID NO: 04 (RES)	<b>14. METHOD OF PAYMENT</b> <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) ASAP System (See Attach. 30 in Appendix A - "Electronic Payment")													
<b>15. NRC OBLIGATION FUNDS</b>  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">THIS ACTION</td> <td style="width:50%; text-align: right;">\$100,000.00</td> </tr> <tr> <td>PREVIOUS OBLIGATION</td> <td style="text-align: right;">\$75,000.00</td> </tr> <tr> <td><b>TOTAL</b></td> <td style="text-align: right;"><b>\$175,000.00</b></td> </tr> </table>		THIS ACTION	\$100,000.00	PREVIOUS OBLIGATION	\$75,000.00	<b>TOTAL</b>	<b>\$175,000.00</b>	<b>16. TOTAL FUNDING AGREEMENT</b>  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">NRC</td> <td style="width:50%; text-align: right;">\$1,500,000.00</td> </tr> <tr> <td>RECIPIENT</td> <td style="text-align: right;">0</td> </tr> <tr> <td><b>TOTAL</b></td> <td style="text-align: right;"><b>\$1,500,000.00</b></td> </tr> </table> <p style="margin-left: 100px;">This action provides funds for Fiscal Year 2009 in the amount of \$100,000.00</p>		NRC	\$1,500,000.00	RECIPIENT	0	<b>TOTAL</b>	<b>\$1,500,000.00</b>
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<b>17. NRC ISSUING OFFICE (NAME AND ADDRESS)</b>  U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Sharon M. Lim Mail Stop: TWB-01-B10M Washington, DC 20555															
<b>18. RECIPIENT</b>  _____ (Signature) _____ (Date)		<b>19. NRC CONTRACTING OFFICER</b>   _____ (Signature) Sharon M. Lim (Date) 5/14/09													
NAME (TYPED) _____  TITLE _____  TELEPHONE NO. _____		NAME (TYPED) Sharon M. Lim  TITLE Contracting Officer  TELEPHONE NO. (301) 492-3624													
<b>20. PAYMENT INFORMATION</b>  Payment will be made within thirty (30) days after receipt of the billing unless the bill is improper or the recipient has failed to comply with the program objectives, award conditions, Federal reporting requirements or other conditions specified in OMB Circular A-110.  Payment will be made by: _____ Vouchers should be submitted in an original and three (3) copies on form 270 to:  Automated Standard Application for Payments (ASAP). See Section 11.7 of the Terms and Conditions.															
<b>21. Attached is a copy of the "NRC General Provisions for Grants and Cooperative Agreements Awarded to Institutions of Higher Education and Other Nonprofit Organizations". Acceptance of these terms and conditions is acknowledged when Federal funds are used on this project.</b>															
<b>22. ORDER OF PRECEDENCE</b> In the event of a conflict between the recipient's proposal and this award, the terms of the Award shall prevail.															
<b>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</b>															

TEMPLATE - ADM001

SUNSI REVIEW COMPLETE

ADM002

The following changes are hereby incorporated into Cooperative Agreement Number NRC-04-08-144:

- 1) The NRC Project Officer is hereby changed from [REDACTED]  
[REDACTED]
- 2) The Principal Investigator is hereby changed from [REDACTED]  
(Reference – Letter from the University of CA – Berkeley dated 1/29/09)
- 3) Section V – Item (9) – Clause 2052.215-70 Key Personnel (JAN 1993) – [REDACTED]  
[REDACTED] hereby deleted as Key Personnel and [REDACTED] is hereby added as  
Key Personnel.
- 4) The following NRC internal accounting information is changed: the BOC for this  
cooperative agreement is hereby changed from 252A to 4110.
- 5) All other terms and conditions of Cooperative Agreement Number NRC-04-08-144  
hereby remain unchanged and in full force and effect.
- 6) This is a unilateral modification and is accomplished at no cost to the Government.