

**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> M005	<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>  DUNS: 124726725	<b>7. RECIPIENT NAME, ADDRESS, and EMAIL 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)															
<b>9. PROJECT WILL BE CONDUCTED PER GOVERNMENT'S/RECIPIENT'S PROPOSAL(S) DATED</b> 5-6-2008  <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, ADDRESS and EMAIL 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 and ADDRESS)</b> U.S. Nuclear Regulatory Commission Office of Nuclear Regulatory Research Attn:Mr. Richard Rivera-Lugo Mail Stop C5A24M Washington, DC 20555 Tel. (301)251-7652	<b>13. ACCOUNTING and APPROPRIATION DATA</b> APPN. NO: 31x0200.060 B&R NO: 2011-60-17-06-161 JOB CODE: K6681 BOC NO: 4110 OFFICE ID NO: RES-11-055 ESS: GR0005	<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) Electronic ASAP.gov (See Remarks in Item #20 "Payment Information")													
<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;">\$102,000.00</td> </tr> <tr> <td>PREVIOUS OBLIGATION</td> <td style="text-align: right;">\$975,000.00</td> </tr> <tr> <td><b>TOTAL</b></td> <td style="text-align: right;"><b>\$1,077,000.00</b></td> </tr> </table>	THIS ACTION	\$102,000.00	PREVIOUS OBLIGATION	\$975,000.00	<b>TOTAL</b>	<b>\$1,077,000.00</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;">_____</td> </tr> <tr> <td><b>TOTAL</b></td> <td style="text-align: right;"><b>\$1,500,000.00</b></td> </tr> </table> <p style="text-align: right; margin-top: 10px;">This action provides funds for Fiscal Year 2011 in the amount of \$102,000.00</p>			NRC	\$1,500,000.00	RECIPIENT	_____	<b>TOTAL</b>	<b>\$1,500,000.00</b>
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<b>17. NRC ISSUING OFFICE (NAME, ADDRESS and EMAIL ADDRESS)</b>  U.S. Nuclear Regulatory Commission Div. of Contracts Attn: M'Lita R. Carr Mail Stop TWB-01B10M Washington, DC 20555 MLita.Carr@nrc.gov															
<b>18.</b> 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.	<b>19. NRC CONTRACTING OFFICER</b>  <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">             (Signature)         </div> <div style="text-align: center;">           12/28/2010            (Date)         </div> </div> NAME (TYPED) <u>Sheila Bumpass</u>  TITLE <u>Contracting Officer</u>  TELEPHONE NO. <u>301-492-3484</u>														
<b>20. PAYMENT INFORMATION</b>  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).															
<b>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.</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 - ADM00

SUNSI REVIEW COMPLETE

ADM00

**DESCRIPTION OF MODIFICATION**

The purpose for modification number 005 is to:

1. Provide incremental funding in the amount of \$102,000.00.

As a result of this modification:

1. The obligated amount has increased from \$975,000 to \$1,077,000.

Base Period: October 1, 2008 – September 30, 2014  
Assistance Award Ceiling: \$1,500,000.00  
NRC Total Obligated Mount: \$1,077,000.00

All terms and conditions remain the same.