Final Project Summary — PEER Lifelines Program

Project Title—ID Number	*D. Boore participation with NGA modeling—***1L03**		
Start/End Dates	3/1/03 – 6/30/04	Budget/ Funding Source	$50,000 / PG&E/CEC
Project Leader (boldface) and Other Team Members	**Boore (USGS)**		

1. Project goals and objectives
Derive new ground-motion prediction equations

2. Benefits of the results of this project to develop technologies and protocols to mitigate the vulnerability of electric systems and other lifelines to damage directly and indirectly caused by earthquakes. Also, benefits to develop assessment techniques to evaluate damage to electric systems caused by earthquakes and to assess fiscal impacts due to the loss of electric service to the community.
From project chief

3. Brief description of the accomplishments of the project
Attended all but one meeting and spent considerable time with the strong-motion database, checking entries and preparing "notes" on various database subjects.   See accompanying spreadsheet.

4. Describe any instances where you are aware that your results have been used in industry
Not used yet

5. Methodology employed
various

6. Other related work conducted within and/or outside PEER
See my web site (http://quake.usgs.gov/~boore) for papers, software, and data related to the work.

7. Recommendations for the future work: what do you think should be done next?
Continue to derive the equations

8. <u>Author(s), Title, and Date</u> for the final report for this project
David M. Boore, Geophysicist, 27 July 2004