

Final Project Summary— PEER Lifelines Program

Project Title—ID Number	<i>Comparison of Ground Motion Characteristics between Taiwan & California—1E07</i>		
Start/End Dates	9/30/02 – 6/30/04	Budget/ Funding Source	\$64,966/ PG&E-CEC
Project Leader (boldface) and Other Team Members	Walter Silva (PEA)		

1. Project goals and objectives

In the PEER NGA project, data from Taiwan are to be combined with data from California to develop attenuation relations for California. The project was specifically to address the appropriateness of this combination.

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.

None. Project was cancelled due to delays in getting started.

3. Brief description of the accomplishments of the project

Initial stage of project of updating profile database with Taiwan velocity profiles was begun.

4. Describe any instances where you are aware that your results have been used in industry

None.

5. Methodology employed

Project intended to compare stress drops, kappa values, $Q(f)$, and crustal propagation parameters for Taiwan with those of northern and southern California.

6. Other related work conducted within and/or outside PEER

Response spectral shapes and absolute levels of response spectra for earthquakes in Taiwan have been compared to California attenuation relations.

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

The original project should be completed.

8. Author(s), Title, and Date for the final report for this project

No report available.