UCSB and HPWREN

Permanently Instrumented Field Sites Geotechnical Earthquake Engineering and Seismology Research

Two NEES Field Sites (GVDA)

HPWREN Communicatons provided Web-cast capability for this Grand Opening of the NEES field site at Garner Valley, CA in August of 2004.

A Series of demonstrations introduced southland high school students and teachers to earthquake engineering research.



Two NEES Field Sites (WLA)

The Wildlife Liquefaction Array located in Imperial Valley, CA along the Alamo river.

The remote site transmits continuous data in real-time to the HPWREN backbone located 95km away. The site is run completely from solar power.

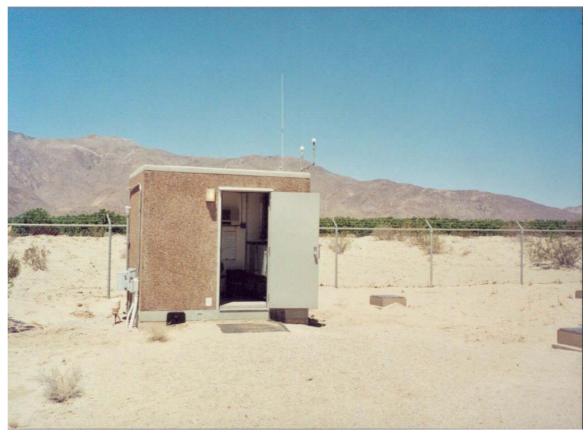


UCSB Borrego Valley Array

Over \$2M invested by Kajima Co. Japan to construct and perform site characterization studies in early 1990's.

Facility donated to the UCSB Geotechnical Array program in 2000.

Connected to HPWREN in 2003.



Superstition Mountain

HPWREN / NEES / USGS Collaboration

Repeater Station connects remote sites to HPWREN:

- NEES WLA site,
- Continuous GPS stations
- USGS strong motion station located at the site in the building shown at left.