



## Hydroelectric Dam – California

### SITUATION

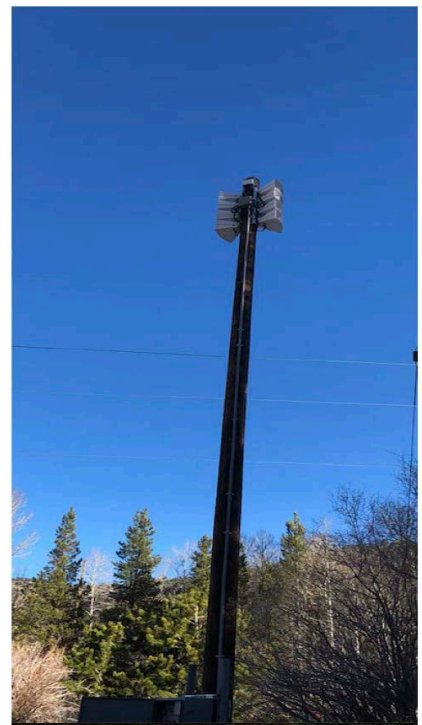
In 2017, many areas in California experienced record-breaking storms that created flood watch conditions into the summer months. Many dams and reservoirs were opened to relieve pressure from the built-up floodwaters. The owner of a hydroelectric dam and the area's emergency managers required a mass notification system capable of broadcasting warning sirens and voice alerts to people living in communities downstream if the dam fails.

### EXISTING SOLUTIONS

Most emergency warning installations sound sirens, but are incapable of broadcasting intelligible voice notifications that contain potentially lifesaving information and instructions. Bullhorns and general public address systems have limited broadcast range and poor vocal quality.

### GENASYS™ SOLUTION

Genasys implemented a phased solution by leasing a mobile Genasys 360XT system to the dam's owner, providing an interim fully self-contained flood warning system. A Genasys DS-60 horn array system was then configured and permanently installed. The Genasys DS-60 system is equipped with Genasys' Command and Control software and linked via satellite for remote system activation and operation.





**ADVANCED TECHNOLOGY**

Genasys' proprietary driver and waveguide technology focuses sound from 30° - 360° to provide customized mass notification area coverage. Optimized to the primary range of human hearing, Genasys broadcasts are clearly heard and understood above background noise. Genasys systems maintain a smooth frequency response with an intensity variation of less than 5dB to prevent audio fading and produce clear, unambiguous communication in any language and across all broadcast frequencies.

**SUPERIOR VOICE INTELLIGIBILITY**



Based on Federal Emergency Management Agency (FEMA) and U.S. Military United Facilities Criteria (UFC) guidelines, the minimum standard for high-powered speaker array mass notification systems is a 0.5 Speech Transmission Index (STI) measurement.

**Genasys systems feature the highest STI in the mass notification industry at 0.95, substantially exceeding all FEMA and UFC voice intelligibility requirements.**

Genasys systems are self-contained or easily integrated with existing communication infrastructure. From portable units to larger systems temporarily or permanently mounted on poles, buildings or trailers Genasys systems are highly effective in communicating general announcements and lifesaving notifications during emergency situations, industrial accidents, and work place incidents.

**Genasys 360-XT**  
*with Optional Solar Panel and Remote Charging Capability*



**Public safety agencies in 72 countries and in more than 500 U.S. cities use Genasys systems and support equipment**



**About Genasys Inc.**

Genasys Inc. is revolutionizing emergency warning and public safety notification with advanced voice broadcast systems that feature the industry's highest speech intelligibility rating and area coverage, 30° - 360° siren and voice broadcast dispersion, multi-modal activation and control options, satellite connectivity, solar power, and battery backup. Genasys geo-targeted SMS mobile safety alert solutions are compatible with local, regional and national emergency warning protocols and systems.