



Hydroelectric Dam – California

SITUATION

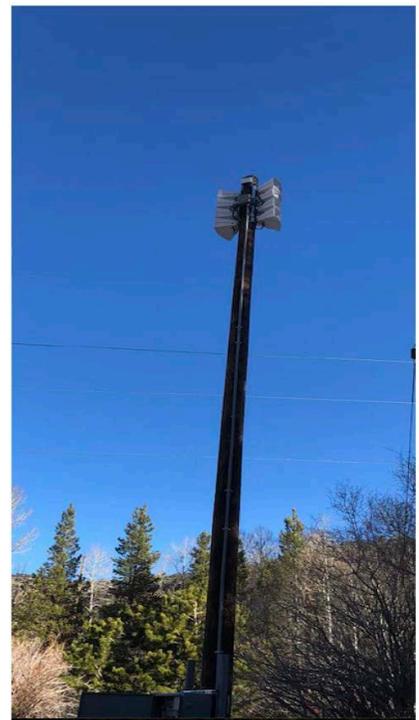
In 2017, many areas in California experienced record-breaking storms that created flood watch conditions into the summer months. Many dams and reservoirs were opened to relieve pressure from the built-up floodwaters. The owner of a hydroelectric dam and the area's emergency managers required a mass notification 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.

THE LRAD® SOLUTION

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





ADVANCED TECHNOLOGY

LRAD's 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, LRAD broadcasts are clearly heard and understood inside vehicles and buildings, and above background noise. LRAD 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.

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

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

LRAD 360-XT
with Optional Solar Panel and Remote Charging Capability



Public safety and law enforcement agencies in 72 countries and in more than 450 U.S. cities use LRAD systems and support equipment



About Genasys Inc.

Genasys systems are in service in 72 countries in diverse applications, including defense, maritime, border and homeland security, law enforcement, critical infrastructure protection, emergency warning, public safety mass notification and many more.