

Global Frequency Warning System for Tsunamis



The Global Frequency Warning (GFW) system is a short-range radio re-broadcast system, designed to provide a front-end solution for dissemination of timely warnings to the public in the event of a tsunami.

Early Warnings that promptly reach those at most risk, and that can be immediately acted upon, may substantially reduce loss of life.

Meeting Tsunami Warning System Needs

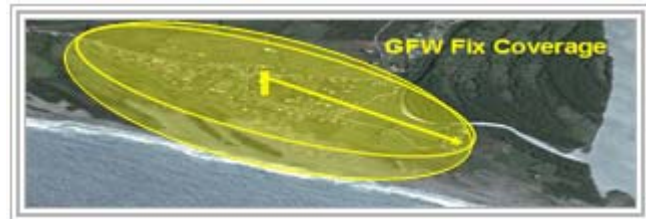
- Community awareness and preparedness
- Broadcast of possible tsunami event
- 24/7 warning capability
- Improves community capacity to respond
- Variable broadcast range
- Automatic, rapid dissemination of detailed information
- Operated and controlled remotely eg. central command centre
- Variable message update capability eg. Notification of false alarm

Patented Technology WORLD LEADERSHIP

The Problem with Tsunamis

Disasters arising from tsunamis are a threat affecting millions of people every year. Many countries around the world are faced with the risk of a tsunami. They travel vast distances, usually from 500-1,000 kilometers per hour. The devastation that they can cause was demonstrated in December 2004 at Banda Aceh (where one quarter of the 400,000 inhabitants perished) and other areas. It is vital that decisions are made quickly upon the detection of a material seismic event.

How can people in areas under threat of a tsunami receive meaningful warnings from a reliable system, through devices that are cheaply and presently available? How do they get a timely message, effectively and automatically? If it is a false alarm, how do you tell people promptly that it is safe to return to their homes?



Tsunami Early Warning, Fixed Coverage

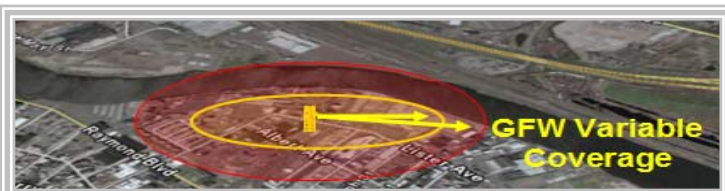
GFW Solution for Dissemination and Communication

Emergency Warning Systems Pty Ltd has a solution which will improve one of the most fundamental components of the emergency response equation - the dissemination of meaningful warnings to those at risk in a timely manner. The GFW is a broadcast emergency warning system that uses people's radios and over-broadcasts on existing radio frequencies for a specified distance to provide information relevant to that area. The broadcasted message is user defined and will include accurate information, instructions and procedures for natural disasters such as tsunamis. The GFW can be integrated into existing infrastructure, used with other warning systems and controlled by local command centers. Multiple GFW systems may be installed across coastlines providing many kilometers of transmission coverage across different areas.

The GFW is a unique system that provides the ability to nominate/exclude frequencies, measure radio signal strength and determine accurate transmission coverage based on real-time sampling of existing frequencies in the area – these are critical factors to ensure that messages are received by those who need to know.



Tsunami Early Warning, Multiple GFW Fixed Coverage



Early Warning, Variable Coverage Fixed or Mobile Solution

• Tsunami Early Warning Broadcast Communication System