

CRITICAL EARTHQUAKE AND WEATHER MONITORING

HOW TO RETAIN CAPABILITIES:
This capital project would activate long-term federal support for this network of monitoring stations



Help Alaska build safely

Accurate earthquake information allows major development projects, bridges, utilities and private residences to be built safely. This information is the foundation for building codes, insurance rates and environmental reviews.



Leverage the sensor backbone across the state

Agencies access the meteorological sensors, cameras, and surveying equipment to enhance weather forecasts and support aviation, marine, military and private sector interests across Alaska and surrounding waters.



Earthquake early warning

Alaska is the only high-hazard state that is not pursuing an early warning system. USArray will make it feasible to consider this.



Issue reliable tsunami warnings

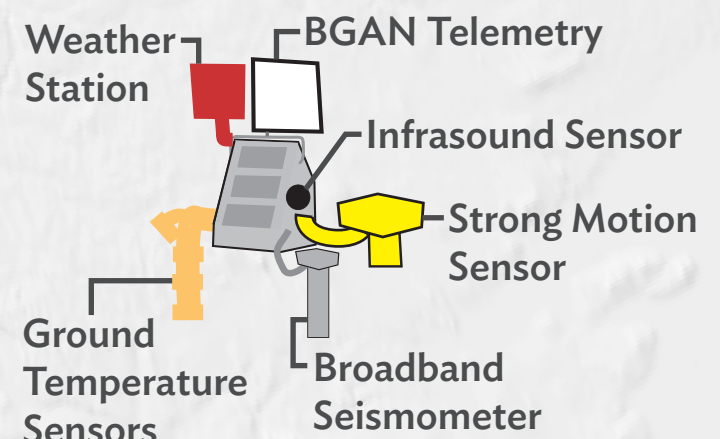
Reliable tsunami warnings require a comprehensive network that can remain operational during a damaging earthquake.



Demonstrated success

Precise earthquake data helped calibrate building codes, limiting the catastrophic potential of the M7 earthquake in Nov. 2018.

USArray Stations



● Existing Stations

Determine how earthquakes happen

High-quality seismic data enables the research necessary to forecast future earthquake activity.

Learn more online at:
<https://earthquake.alaska.edu/usarray-sustainability>

Fort Knox Gold Mine photo by Brian Wotherspoon; plane photo by Gillfoto; mobile photo courtesy Pexels; tsunami sign photo by Tony Webster; Anchorage road damage photo by Nathaniel Wilder, Reuters. UAF is an AA/EO employer and educational institution and prohibits illegal discrimination against any individual: www.alaska.edu/nondiscrimination/.

