

LOCATION
Tofino, Canada

POPULATION
1,932

TECHNOLOGIES
LTE, Seismometers,
Broadband

INNOVATORS
Ocean Networks
Canada, Tofino

Connectivity

COMMUNITY SOLUTIONS

Every Community has a Vision.

How Tofino Used Connectivity to Enable Tsunami Sirens



Photo - Aaron Rodgers

In the communities of Tofino and Ucluelet reside in Zone C of the BC tsunami notification area. Zone C is particularly vulnerable to tsunamis generated by off shore earthquakes. Moreover, their large shallow beaches create the geological conditions for large and impactful tsunami waves.

In 2017, The District of Tofino leveraged its' new broadband

connectivity by installing tsunami sirens along its' beaches and in the community. These sirens connect to the Ocean Networks Canada's earthquake sensor network. This network of sensors provides real-time notifications of seismic activities off the coast of British Columbia.

On January 23rd, 2018, an 8.0 magnitude earthquake in Alaska triggered the activation of the warning system. This led to the successful evacuation of residents to higher ground. Luckily, the earthquake did not result in a tsunami. However, the implementation of this connected technology demonstrated its effectiveness to address the very real natural hazards faced by the community.

MORE INFORMATION

Project Page: <http://www.tofino.ca/tsunami-information>

Ocean Networks Canada: <https://www.oceannetworks.ca/earthquake-early-warning>

Tsunami Sirens Used: <https://www.fedsig.com>



**Connected
Communities**

