

Site Resilience Planning Map

Columbia Memorial Hospital Astoria, Oregon

This resilience map shows the Columbia Memorial Hospital and its tsunami hazards. For life safety purposes, all people located within the tsunami evacuation zone are urged to move quickly to high ground above the tsunami evacuation zone. In the worst-case scenario, the tsunami is expected to arrive at the hospital approximately 44 minutes after the onset of earthquake shaking. The tsunami runup elevation behind the hospital is approximately 48 to 52 ft. The elevation of the main hospital is approximately 19 ft. See the Columbia Memorial Hospital regional resilience planning map for a view of the surrounding critical facilities. Columbia Memorial should *not* evacuate from a “distant tsunami,” which is generated from an earthquake far away from the Oregon coast, such as Alaska or Japan.

Explanation of Symbols

Tsunamis generated by a Cascadia Subduction Zone earthquake can vary in size from SM, M, L, XL to XXL.

- Small Tsunami Hazard Zone (SM)
(Small tsunamis inundate the area defined by this zone.)
- Medium Tsunami Hazard Zone (M)
(This zone captures ~79% of local tsunamis.)
- Large Tsunami Hazard Zone (L)
(This zone captures ~95% of local tsunamis.)
- Extra Large Tsunami Hazard Zone (XL)
(This zone captures ~98% of local tsunamis.)
- Extra Extra Large Tsunami Hazard Zone (XXL)
(This zone captures 100% of local tsunamis.)

The tsunami evacuation zone is defined by the XXL zone.
DOGAMI tsunami evacuation brochures are available at: www.OregonTsunami.org
Source: DOGAMI Special Paper 43 (2011)

- Parking Lot
(Potential Tsunami Evacuation Site)
- Tsunami Evacuation Route

- Hospital
- Buildings of Interest
- Fuel - above ground
- Hospital Expansion
- Buildings
- Fuel - underground
- Bridge
- Lift Bridge

Astoria Area Map

Clatsop County Airport (southwest of mapped area) is in the Small (SM) tsunami inundation zone (purple).

