



NWS Portland Warning, Watch, Advisory Criteria



Guidance for all WWA Products:

Last Update: 4/21/25 (For Frost/Freeze)

Written instructions cannot address every operational situation. All WFO personnel exercise initiative and professional judgment to minimize risk to public safety and property in situations not explicitly covered by written instructions. Protection of life and property takes precedence in these decision making processes. As such, criteria for weather warnings are to be considered as guidance only, not strict thresholds. Forecasters may issue warnings and advisories based upon lower criteria if the event in question poses a significant threat to life due to timing or other circumstances.

Watch Issuance when confidence is $\geq 50\%$

Warning Issuance when confidence is $\geq 80\%$

Multi-Purpose Hazard	Lead Time / Duration Guidance	Criteria (including IMPACTS)	NAWAS	NOAA Weather Radio TONE/SAME	WEA
Special Weather Statement	Duration: < 6 hours	<ul style="list-style-type: none"> - Strong, sub-severe convection or gust fronts. Could include gusts 40-57mph, hail < 1", frequent/continuous lightning. OR - Funnel clouds not expected to become a tornado threat (e.g. cold-core funnel clouds) OR - Short term hazards like frosty or icy conditions that may cause hazardous driving, but not meet freezing fog advisory criteria OR - Highlight a major multi-hazard event expected beyond 6 hours. OR - Level 5 (Extreme) Space Weather Event. 			
Convective Hazard	Lead Time / Duration Guidance	Criteria (including IMPACTS)	NAWAS	NOAA Weather Radio TONE/SAME	WEA
Severe Weather Statement	Duration: 0-1 hour	Used to update, correct, expire, or cancel a TOR or SVR. An SVS should be issued at least once during the valid time of a SVR or TOR.			
Severe Thunderstorm Watch	SPC-Driven	Issued in coordination with Severe Prediction Center (SPC). Observed and/or expected atmospheric conditions support the formation of severe thunderstorms.	Oregon: NO Washington: YES	Oregon: YES Washington: YES Automatic	
Severe Thunderstorm Warning	Duration: 30-60 min	Impact criteria: Thunderstorms that are forecast to produce significant tree or structural damage, downed powerlines, flying debris, or threaten lives/property. <ul style="list-style-type: none"> - Gusts ≥ 58 MPH OR - Hail size ≥ 1" OR - Damage reports that indicate thunderstorm wind or hail. 	Oregon: YES Washington: YES	Oregon: YES Washington: YES Automatic	YES Automatic when has a destructive tag only
Tornado Watch	SPC-Driven	Issued in coordination with SPC. <ul style="list-style-type: none"> - When there is a forecast of multiple weak tornadoes or any tornado which could produce EF2 or greater damage. - The forecast event minimum thresholds should be at least 2 hours over an area at least 8,000 square miles. 	Oregon: YES Washington: YES	Oregon: YES Washington: YES Automatic	

Tornado Warning	Duration: 15-45 min	Radar indication or credible report of (developing) tornado, including TVS, hook echo, mesocyclone TVS: - gate to gate shear >90 kts within 30 nm of the RDA - gate to gate shear >70 kts between 30 to 55 nm of the RDA	Oregon: YES Washington: YES	Oregon: YES Washington: YES Automatic	YES Automatic
Tornado Emergency	Duration: 15-45 min	Exceedingly rare situations when: Severe threat to human life and catastrophic damage from a tornado is imminent or ongoing. Visual or radar sources confirm tornado. Radar imagery (e.g., debris ball signature) strongly suggests the existence of a damaging tornado.	Oregon: YES Washington: YES	Oregon: YES Washington: YES Automatic	YES Automatic
Special Marine Warning	Duration: 0-1 hour	- Wind: Sustained wind or frequent gusts of ≥ 34 kt not adequately covered in CWF. Duration for up to 2 hours--usually less - Thunderstorm: (Non-severe) a thunderstorm producing wind gusts of ≥ 34 kt that forms or moves over the marine forecast area - Severe Thunderstorm: 50 kt wind gust, hail $\geq 3/4$ " diameter (penny-size) - Waterspout indicated or observed	Oregon: No Washington: YES	Oregon: YES Washington: YES Required for coastal weather radios Automatic	

Hydrology Hazard	Lead Time / Duration Guidance	Criteria (including IMPACTS)	NAWAS	NOAA Weather Radio TONE/SAME	WEA
Flood Potential Outlook	Lead Time: >36 hours	- Issued if expected hydro-meteorological conditions may cause flooding problems, generally a few days from the time of issuance as a "heads-up" to emergency managers and the public.			
Flood Advisory	Lead Time: short term, generally 0 to 12 hours	- Issued for urban areas and/or small streams when hydro-meteorological conditions may cause flooding or smaller streams and urban areas (e.g. underpasses, low lying areas, or drainages) which may hinder or block public traffic or access			
Flood Watch	Lead Time: 12-48 hours	- Issued when current or developing hydro-meteorological conditions indicate a threat of flooding, but the occurrence is neither certain or imminent			
Flood Warning (River Forecast Points)	Lead Time: 6-24 hours	- Flooding at a river forecast point is imminent or in progress OR - River forecast indicates flooding within next several hours - Category of flooding increases (e.g. minor to moderate)	Oregon: YES Washington: YES Manual	Oregon: YES Washington: YES Manual For "Major" flood category only	
Flood Warning (Areal)	Lead Time: 6-24 hours	- Issued when flooding presents a threat to life or property	Oregon: YES Washington: YES Manual		
Flood Statement	--	- Used to update, correct, expire, or cancel a Flood Warning.			
Flash Flood Watch	Lead Time: 6-48 hours	- Conditions indicate flash-flooding is possible but not imminent - Potential dam or levee failure	Oregon: NO Washington: YES Manual	At lead forecaster discretion Manual	

Flash Flood Warning	Lead Time: 0-6 hours	<ul style="list-style-type: none"> - Flash flooding is reported by a reliable source - Precipitation capable of producing flash flooding is detected or reported - Observed rainfall approaches or exceeds guidance obtained from the RFC - Sudden release from a dam, levee, or other structure due to controlled release or failure - Headwater tables or other predictive procedures indicate flash flooding - Notification by PacifiCorp that releases at Merwin Dam will be increased to 60,000 CFS or more within the next 6 hours 	<p>Oregon: YES Washington: YES</p> <p>Manual</p>	<p>Oregon: YES Washington: YES</p> <p>Automatic</p>	<p>YES</p> <p>Automatic</p> <p>when has a considerable or catastrophic tag only</p>
Flash Flood Statement	--	- Used to update, correct, expire, or cancel a Flash Flood Warning.			
Flash Flood Emergency	Lead Time: 0-6 hours	<p>FFW criteria</p> <p>AND one of the following:</p> <ul style="list-style-type: none"> - State of Emergency declared due to life-threatening rapidly rising water - Flash flood water rises to level rarely ever seen or much higher than typical flash floods; - Multiple swift water rescue teams required; - Total failure of high hazard dam with catastrophic impacts. 	<p>Oregon: YES Washington: YES</p> <p>Manual</p>	<p>Oregon: YES Washington: YES</p> <p>Automatic</p>	<p>YES</p> <p>Automatic</p>
Winter Hazard	Lead Time / Duration Guidance	Criteria (including IMPACTS)	NAWAS	NOAA Weather Radio TONE/SAME	WEA
Winter Weather Advisory	Lead Time: 0-36 hours	<p>Cascades: 6-11 inches</p> <p>If the above criteria is only expected to be met for elevations above 5,500 feet, then no headline is needed!</p> <p>Cascade Foothills, Coast Range, Willapa Hills, and Upper Hood River Valley: 2-4 inches</p> <p>Coast, Coast Range Lowlands, Willapa and Wahkiakum Lowlands, Lower Columbia, Willamette Valley, Cowlitz County Lowlands, and Columbia River Gorge: 1-3 inches</p> <p>Freezing rain: 0.10-0.25" flat ice accumulation</p> <p>Impact Criteria: Significant travel inconveniences due to slippery roads and/or sidewalks, scattered power disruptions, significant civic or economic disruption (i.e. schools and/or businesses closed).</p>			
Winter Storm Watch	Lead Time: 36-48 hours (can be longer for high-confidence events)	≥ 50% chance of a hazardous winter weather event meeting or exceeding warning and/or impact criteria			

Winter Storm Warning	Lead Time: 0-36 hours	<p>- Issued for all winter precipitation events meeting/exceeding warning guidelines and/or causing significant impact. Exceptions: Blizzards, Ice Storms, or Wind Chill are issued separately.</p> <p>- Winter Storm Warnings include different event types such as heavy snow, snow mixed with sleet or freezing rain, blowing snow, etc.</p> <p>- If BOTH Winter Storm Warning and High Wind Warning criteria are met, issue both separately: WSW for Winter Storm, and NPW for High Wind. Consider tying the two together in the *ADDITIONAL DETAILS...section of each.</p> <p>Cascades: ≥12 inches If the above criteria is only expected to be met for elevations above 5,500 feet, then no headline is needed!</p> <p>Cascade Foothills, Coast Range, Willapa Hills, and Upper Hood River Valley: ≥4 inches</p> <p>Coast, Coast Range Lowlands, Willapa and Wahkiakum Lowlands, Lower Columbia, Willamette Valley, Cowlitz County Lowlands, and Columbia River Gorge: ≥3 inches</p> <p>Impact Criteria: Life-threatening travel conditions, widespread power outages due to heavy snow, major economic disruption (i.e. closure of I-84).</p>	<p>Oregon: NO Washington: If onset is within 6 hours AND not preceded by Watch</p> <p>Manual</p>	<p>Generally reserve the alert for short fused and major events</p> <p>Manual</p>	
Snow Squall Warning	Duration: 30-60 min	<p>Significant, short lived snow events causing extremely dangerous driving conditions from near white-out conditions</p> <p>- Snow accumulations are often ≤ 1" - Added combination of: - Gusty winds - Sub-freezing ambient road temperatures - Reduced visibility (≤ 1/4 mi)</p> <p>This would be a very rare event for our CWA</p>	<p>Oregon: YES Washington: YES</p> <p>Manual</p>	<p>Generally reserve the alert for short fused and major events</p> <p>Automatic (TONE and SAME only)</p>	<p>YES</p> <p>Automatic when has a SIGNIFICANT impacts tag only</p>
Ice Storm Warning	Lead Time: 0-36 hours	<p>Significant, widespread and possibly damaging accumulations of ice: ≥0.25" ice accumulation</p> <p>Impact Criteria: Widespread power outages due to downed ice-laden trees/limbs, life threatening travel conditions, major economic disruption (i.e. closure of I-84).</p>	<p>Oregon: YES Washington: If onset is within 6 hours</p> <p>Manual</p>	<p>Generally reserve the alert for major events or short notice</p> <p>Manual</p>	
Blizzard Warning	Lead Time: 0-36 hours	<p>- Sustained wind speeds or frequent gusts of 35 mph AND - Considerable falling and/or blowing snow frequently reducing visibility <1/4 mile for 3+ hours</p>	<p>Oregon: YES Washington: If onset is within 6 hours</p> <p>Manual</p>	<p>SAME: Automatic</p> <p>TONE: Manual, generally reserve the alert for major events or short notice</p>	
Non-Precip Hazard	Lead Time / Duration Guidance	Criteria (including IMPACTS)	NAWAS	NOAA Weather Radio TONE/SAME	WEA

Wind Advisory	Lead Time: 12-36 hours	<p>Issued for all zones except the coast, Columbia River Gorge, and high Cascades:</p> <ul style="list-style-type: none"> - ORZ109-118 (Willamette Valley) - ORZ108-WAZ204 (Lower Columbia in Columbia & Cowlitz Counties) - WAZ205-207 (Clark County lowlands) <p>- Sustained winds: 30-39 mph (26-34 kt), duration of 1+ hour</p> <p>- Frequent gusts: 45-57 mph (39-49 kt), any duration</p>			
High Wind Watch	Lead Time: 12-48 hours (can be longer for high-confidence events)	Conditions are favorable for hazardous high wind warning conditions to develop, but its occurrence, location, and/or timing is still uncertain			
High Wind Warning	Lead Time: 0-36 hours	<p>For all zones (except the Columbia River Gorge and Cascades):</p> <ul style="list-style-type: none"> - Sustained winds: 40 mph (35 kt), duration of 1+ hour - Frequent gusts: 58 mph (50 kt), any duration <p>OR</p> <p>- Credible reports, or expectation, of widespread damaging wind at lower values</p> <p>For the Columbia River Gorge and Cascades:</p> <ul style="list-style-type: none"> ORZ119-120 and WAZ209 (Western Columbia River Gorge) ORZ126-127 (North Oregon Cascades and Marion/Linn Cascades) WAZ211 (South Washington Cascades) <p>- Sustained winds: 50 mph (43 kt), duration of 1+ hour</p> <p>- Frequent gusts: 75 mph (65 kt), any duration</p> <p>OR</p> <p>- Credible reports, or expectation, of widespread damaging wind at lower values</p>	<p>Oregon: NO</p> <p>Washington: If onset is within 6 hours AND not preceded by Watch</p> <p>Manual</p>	<p>Oregon: YES</p> <p>Washington: YES</p> <p>Manual</p> <p>SAME/Tone Alert for Extreme High Wind Warnings for the following criteria:</p> <p>Coast/Willapa Hills WA: ≥60 G90mph</p> <p>Coast/Coast Range OR: ≥60 G100mph</p> <p>Inland WA & OR: ≥50 G75mph</p> <p>- Within 6 hours of the onset of the high wind criteria</p> <p>Oregon: NO</p> <p>Washington: NO</p> <p>No SAME/Tone Alert for Gorge/Cascades</p>	
Heat Advisory	Lead Time: 12-36 hours	<p>Use NWS Western Region Heat Risk Tool</p> <ul style="list-style-type: none"> - Heat Risk Value: 2.4-2.65 (high orange/low red levels) - Moderate risk for those who are sensitive to heat, especially those without effective cooling and/or adequate hydration 			
Extreme Heat Watch	Lead Time: 12-48 hours (can be longer for high-confidence events)	Conditions are favorable for hazardous heat conditions to develop, but its occurrence, location, and/or timing is still uncertain			
Extreme Heat Warning	Lead Time: 0-36 hours	<p>Use NWS Western Region Heat Risk Tool</p> <ul style="list-style-type: none"> - Heat Risk Value: 2.66-3.9 (red level) - High risk for much of the population, especially those who are heat sensitive and those without effective cooling and/or adequate hydration <p>- Heat Risk Value: 4 (magenta level)</p> <p>- Rare, long duration heat event. Very high risk due to long duration heat with little to no relief overnight</p>	<p>Oregon: YES</p> <p>Washington: If onset is within 6 hours AND not preceded by Watch</p> <p>Manual</p>		
Frost Advisory	Lead Time: 0-36 hours	<p>Growing Season Only (APR-OCT)</p> <ul style="list-style-type: none"> - Minimum shelter temperatures mainly 33°F-36°F on nights with good radiational cooling conditions (light winds and clear skies) <p>- Comprises of all forecast zones except for WAZ211, ORZ126, ORZ127, and ORZ128 (the high Cascades zones)</p>			

Freeze Watch	Lead Time: 48-96 hours	<ul style="list-style-type: none"> - Conditions are favorable for hazardous freeze conditions to develop, but its occurrence, location, and/or timing is still uncertain - If minimum temperatures are <28°F, then 'Hard Freeze' will be added in the 'WHAT' section. 			
Freeze Warning	Lead Time: 0-36 hours	<p>Growing Season Only (APR-OCT)</p> <ul style="list-style-type: none"> - Widespread minimum shelter temperatures <32°F. - If minimum temperatures are <28°F, then 'Hard Freeze' will be added to the 'WHAT' section. - Comprises of all forecast zones except for WAZ211, ORZ126, ORZ127, and ORZ128 (the high Cascades zones) 			
Cold Weather Advisory	Lead Time: 0-36 hours	<ul style="list-style-type: none"> - Apparent temps of -19°F to -5°F (South WA Cascades zone) - Apparent temps of -14°F to 0°F (Oregon Cascades zones) - Apparent temps of 6°F to 15°F (Columbia River Gorge and Upper Hood River Valley) - Apparent temps of 11°F to 25°F (all other zones west of the Cascades) 			
Extreme Cold Watch	Lead Time: 36-48 hours (can be longer for high-confidence events)	Conditions are favorable for extreme cold to develop, but its occurrence, location, and/or timing is still uncertain			
Extreme Cold Warning	Lead Time: 0-36 hours	<ul style="list-style-type: none"> - Apparent temps of -20°F (South WA Cascades zone) - Apparent temps of -15°F (Oregon Cascades zones) - Apparent temps of 5°F (Columbia River Gorge and Upper Hood River Valley) - Apparent temps of 10°F (all other zones west of the Cascades) 	<p>Oregon: YES Washington: If onset is within 6 hours AND not preceded by Watch</p> <p>Automatic</p>		
Dust Advisory	Lead Time: 12-36 hours	<ul style="list-style-type: none"> - Widespread or localized blowing dust reduces visibilities to ≤ 1 mile, but $> 1/4$ mile - Dust storms are extremely rare west of the Cascades 			
Dust Storm Warning	Lead Time: 0-36 hours	<ul style="list-style-type: none"> - Widespread or localized blowing dust reduces visibilities to $\leq 1/4$ mile - Sustained winds ≥ 25 mph - Dust storms are extremely rare west of the Cascades 	<p>Oregon: YES Washington: YES</p> <p>Manual</p>		YES Automatic
Blowing Dust Advisory	Lead Time: 12-36 hours	<ul style="list-style-type: none"> - Widespread or localized blowing dust reduces visibilities to ≤ 1 mile, but $> 1/4$ mile - Dust storms are extremely rare west of the Cascades 			
Blowing Dust Warning	Lead Time: 0-36 hours	<ul style="list-style-type: none"> - Widespread or localized blowing dust reduces visibilities to $\leq 1/4$ mile - Sustained winds ≥ 25 mph - Dust storms are extremely rare west of the Cascades 	<p>Oregon: YES Washington: If onset within 6 hours</p> <p>Manual</p>		
Dense Fog Advisory	Lead Time: 12-36 hours	<ul style="list-style-type: none"> - Widespread or localized fog is expected to, or is reducing visibilities $\leq 1/4$ mile 			
Freezing Fog Advisory	Lead Time: 12-36 hours	<ul style="list-style-type: none"> - Issue when we receive multiple reports from spotters, law enforcement, or other government agencies of hazardous conditions due to the freezing fog. ASOS reports of freezing fog, on their own, are not enough. - The freezing fog must affect a "representative part of the area". 			
Dense Smoke Advisory	Lead Time: 12-36 hours	<ul style="list-style-type: none"> - Widespread or localized smoke reduces visibility to $\leq 1/4$ miles 			

Coastal Hazard	Lead Time / Duration Guidance	Criteria (including IMPACTS)	NAWAS	NOAA Weather Radio TONE/SAME	WEA
Beach Hazards Statement	--	High Sneaker Wave threat: - Swell height ≥ 9 ft with a period ≥ 14 sec on a weekend/holiday			
Coastal Flood Advisory (for Tidal Overflow)	Lead Time: 0-36 hours	- Rivers at/near 80% flood flow and tide + tidal anomaly of 9.5 ft at Newport (South Beach) in the south and Astoria (Tongue Point) or Willapa Bay (Toke Point) in the north. OR - Southwest Washington Coast: Tide + tidal anomaly alone is ≥ 11 ft at Willapa Bay (Toke Point, south Washington coast). - North Oregon Coast: Tide + tidal anomaly alone is ≥ 10.5 ft at Astoria (Tongue point, north Oregon coast) or Garibaldi. - Central Oregon Coast: Tide + tidal anomaly alone is ≥ 12 ft at Newport (South Beach, central Oregon coast). OR - Tidal flooding is observed and reported by a reliable source.			
Coastal Flood Watch	Lead Time: 12-48 hours (can be longer for high-confidence events)	- See Coastal Flood Warning			
Coastal Flood Warning	Lead Time: 0-36 hours (can be longer for high-confidence events)	- Coastal Flood Index of ≥ 22 for a .02 slope beach is forecast or occurring. We will use .02 as a representative standard. OR - Tide + tidal anomaly alone is 14.5 ft or greater at South Beach (central Oregon coast), Astoria (north Oregon coast), or Toke Point (south Washington coast).	Oregon: NO Washington: If onset is within 6 hours AND not preceded by Watch Manual		
High Surf Advisory	Lead Time: 0-36 hours	- Issued for swell energy flux of 100×10^4 J/ms			
High Surf Warning	Lead Time: 0-36 hours	- Issued for swell energy flux of 160×10^4 J/ms	Oregon: NO Washington: If onset within 6 hours Manual		
Marine Hazard	Lead Time / Duration Guidance	Criteria (including IMPACTS)	NAWAS	NOAA Weather Radio TONE/SAME	WEA
Marine Weather Statement	Lead time: 0-36 hours	Product to provide mariners with details on significant or potentially hazardous conditions not otherwise covered in existing marine warnings and forecasts - Non-Severe, Short-term Wind Events: sustained winds or gusts to 33 kt are expected for 2 hours or less - Non-Severe, Long-term Events: dense fog, hazardous materials spills; volcanic impacts, trends for increasing and/or decreasing wind and wave/seas conditions - Other hazardous events: funnel clouds, tsunamis, marine debris, ice changes, freezing spray advisories, ashfall advisories			

[illegible]

Tsunami Watch	NTWC-Driven	<ul style="list-style-type: none"> - Issued to alert the public of a tsunami event that may later impact the watch area - Earthquake magnitude > 7.8: the watch area will be for locations along the coast with wave arrival times 3-6 hours of the epicenter - No watches issued for earthquake magnitudes < 7.8 	<p>Oregon: *NO Washington: *NO</p> <p>*(NTWC will call OR and WA who then relays to the counties)</p>	Oregon: NO Washington: NO	
Tsunami Warning	NTWC-Driven	<ul style="list-style-type: none"> - Issued when a potential tsunami with significant widespread inundation is imminent or expected - Earthquake magnitude 7.1 to 7.5: the warning will be for an area 250 km from the epicenter, extending to the nearest breakpoint (e.g. Cascade Head) - Earthquake magnitudes 7.5 to 7.8 (inclusive): the warning area will be for an area 500 km from the epicenter, extending to the nearest breakpoint - Earthquake magnitudes > 7.8: the warning will be for locations along the coast with wave arrival times within 3 hours of the epicenter. Wave amplitudes are expected to be ≥ 1 meter 	<p>Oregon: *NO Washington: *NO</p> <p>*(NTWC will call OR and WA who then relays to the counties)</p>	Oregon: YES Washington: YES Manual via Tsunami GUI	YES Automatic
Ashfall Advisory (Land)	Coordination with VAAC & CVO	<ul style="list-style-type: none"> - Coordination with Volcanic Ash Advisory Center (VAAC) and USGS Cascades Volcano Observatory (CVO) required - Issued for a volcano undergoing a minor eruption where the public will be affected by a limited hazard extent such as <1/4" of ashfall accumulation 	<p>Oregon: YES Washington: NO</p> <p>Manual</p>		
Ashfall Warning (Land)	Coordination with VAAC & CVO	<ul style="list-style-type: none"> - Coordination with Volcanic Ash Advisory Center (VAAC) and USGS Cascades Volcano Observatory (CVO) required - Issued for a volcano undergoing a major eruption where the public will be affected to a significant extent, such as ≥ 1/4" of ashfall accumulation, significant debris, lava or lahar flows. 	<p>Oregon: YES Washington: If onset within 6 hours</p> <p>Manual</p>	<p>Oregon: YES Washington: YES</p> <p>Manual</p> <p>At Lead Forecaster Discretion depending on magnitude of the event</p>	
Ashfall Advisory (Marine)	Coordination with VAAC & CVO	<ul style="list-style-type: none"> - Coordination with Volcanic Ash Advisory Center (VAAC) and USGS Cascades Volcano Observatory (CVO) required <1/4" of ashfall accumulation, pumice rafts, or some floating debris. 	<p>Oregon: YES Washington: NO</p> <p>Manual</p>		
Ashfall Warning (Marine)	Coordination with VAAC & CVO	<ul style="list-style-type: none"> - Coordination with Volcanic Ash Advisory Center (VAAC) and USGS Cascades Volcano Observatory (CVO) required ≥1/4" of ashfall accumulation, significant debris, lava, or lahar flows. 	<p>Oregon: YES Washington: If onset within 6 hours</p> <p>Manual</p>	<p>Oregon: YES Washington: YES</p> <p>Manual</p> <p>At Lead Forecaster Discretion depending on magnitude of the event</p>	
3rd Party Hazard	Lead Time / Duration Guidance	Criteria (including IMPACTS)	NAWAS	NOAA Weather Radio TONE/SAME	WEA
Air Stagnation Advisory	Lead Time: Up to 36 hours	<ul style="list-style-type: none"> - Persistent surface inversions (especially sharp ones) - NW Oregon and SW Washington mixing level <2000 ft - Transport winds <5 kts - No precipitation expected - Above conditions to last 48+ hours 			

Air Quality Alert	Partner-Driven	Requested by Department of Environmental Quality (DEQ) or Lane Regional Air Protection Agency (LRAPA)			
Special Avalanche Bulletin	Partner-Driven	Requested by Northwest Avalanche Center (NWAC)			
Avalanche Watch	Partner-Driven	Requested by Northwest Avalanche Center (NWAC)			
Avalanche Warning	Partner-Driven	Requested by Northwest Avalanche Center (NWAC)	Oregon: NO Washington: If Extreme Event Only Manual		