NORTHWEST



This Jan. 20 aerial image provided by Rapid Aerial LLC shows a Partners Produce facility in Payette, Idaho, that collapsed under the weight of snow.

Snow-covered buildings collapsing

By KEITH RIDLER

Associated Press

BOISE, Idaho — For buildings in parts of the snow-covered U.S. West, it has become a winter where the weak do not survive.

The accumulated weight of snow has crushed an old lumber mill in Oregon, the main grocery store in a small Idaho town, a sports complex in Alaska and a conference center in Colorado, among others.

They have led to some injuries and at least one death, when the roof of a woman's snow-laden porch in northern Idaho fell while she was underneath it, officials say. Authorities fear more collapses will come.

Storms this month have blanketed the West and kept dumping more snow on top of it.

Experts say the rare combination of greater snowfall at lower elevations and prolonged cold temperatures that allowed the snow to accumulate without melting away is partly to blame for the collapses.

The combination builds up an amount of snow that exceeds building codes set for weather expected only twice a century, said Dell Winegar, president of the Idaho Onion Growers Association, whose industry has felt the pain at its facilities.

Nearly 20 buildings that store and package onions have crashed down in Idaho and Oregon, leading prices to spike from \$3.50 to \$6.50

for a 50-pound bag of yellow iumbo onions.

"It's been a heartbreak for a lot of folks," Winegar said. "It's hard to prepare for something that has never happened before."

While lower elevations are getting record snow, mountains in the West are only somewhat above average, forecasters say.

But "that snow hasn't been melting," said Troy Lindquist of the National Weather Service. "We're ending up with snow loads on roofs that we typically don't see around here."

Another possible reason behind the collapses is that settling snow does not look as substantial because it's not as deep, fooling building owners about the weight that's pressing on shingles and tiles.

But experts say the water density in the snow is increasing, meaning a roof that that does not appear to be holding much powder can be straining under thousands of pounds.

"They may look at the roof and say, 'There's not as much snow there because it settled," said Ron Abramovich, a water supply specialist with the Natural Resource Conservation Service who analyzes the snowpack in mountains. "But it really comes down to the amount of water in the snowpack."

Abramovich said 20 inches of snow can weigh about 10 pounds per square foot. That means a portion of a 20-by-20 foot roof with that amount of snow would be supporting about 4,000 pounds. A former factory was bearing

much more weight than that when it collapsed this month in the upscale Old Mill District of Bend.

The building, covering 7.5 acres with nearly 30 inches of snow on its roof, was a remnant of an era when two large lumber mills stood where shops and restaurants now do. It stored about 60 campers and motorhomes, said Scott Carlson, chief financial officer of Hooker Creek, a construction materials company that owns the building.

"Typically, we get a lot of snow, but it usually melts some between snowstorms," he said, noting that new storms made it too dangerous to remove the snow.

He didn't have a cost estimate for the damage.

In Alaska's largest city, the 180,000-square-foot sports center called The Dome, billed as the world's largest structure supported by pressurized air, collapsed last weekend after a snowstorm dumped more than a foot of snow on Anchorage.

Investigators were trying to determine why the roof's thin, flexible plastic material, supported by pipes and cables, collapsed.

Higher elevations also have faced problems. In Breckenridge, Colorado, a resort mountain town above 9,000 feet, the roof of a hotel conference room caved in last week under the weight of snow. No one was injured, but 70 rooms at the Village of Breckenridge were evacuated.

Ed Board considers shortening school year because of weather

By PARIS ACHEN Capital Bureau

SALEM - Responding to massive weather-related school closures in the last two months, the Oregon Board of Education on Thursday will consider adopting a temporary rule that would waive 14 hours of state-mandated instructional time for this school year.

The Oregon Department of Education recommended the temporary rule after officials from several school districts contacted the agency to ask for assistance in meeting the requirement.

'Some school districts said: This is a really crazy year; this is unique. Is there something the department can do to help us out with flexibility?" said Emily Nasarov, an operations policy analyst with ODE. "When we started to get those requests, we looked at the given rules and state law to what could we do to afford relief to those schools and still protect instructional time as much as possible."

The 14-hour waiver had been regularly available to schools to make up time for missed days due to inclement weather until 2015. That year, the Board of Education nixed the provision in order to protect instructional time, which is among the lowest amount required nationwide.

Schools are required to provide at least 900 hours of instruction to elementary and middle school students each year and 990 hours to high school students, except seniors who need only 966.

The 14 hours would make a small dent in missed school time, so school districts would still need to come up with other ways to make up time.

After an initial onslaught of snow in December, the Hermiston School Board added five school days to the end of its school year, moving graduation day from June 3 to June 10, said Tricia Mooney, the district's assistant superintendent.

"We understand that changing the graduation date and extending the school year is challenging for everyone involved," Hermiston schools Superintendent Fred Maiocco said Dec. 14. "However, we believe this decision is in the best interest of our entire community. We remain hopeful that with six months advance notification, everyone will be able respond flexibly to this difficult situation."

Then more snow bombarded the

area in January. In total, the school district lost six school days, Mooney said.

We were already making up five days and we had moved graduation," Mooney said. "Unfortunately, the snow kept coming, and when you look across the state we aren't even that bad."

Without the temporary rule, the Hermiston School District still won't be able to meet required instructional time, unless it adds another school day to the calendar.

With the five days, we still have hours we need to make up, which is why we reached out to the Department (of Education)," Mooney said. "If they issue the temporary rule for 14 hours, we then are fine."

That scenario assumes another winter storm won't shut school doors again.

If the temporary rule is voted down, the local school board would have to consider using a day from Spring Break, a parent-teacher conference day or adding in 15 minutes to a number of days to make up time, Mooney said.

The Beaverton School District lost about nine school days during three separate ice and snow storms in December and January.

"I've been working in education for 18 years, and I can't recall this extended of a period off," said David Williams, administrator for government relations at Beaverton schools.

The school district's calendar provides more instructional time than required by law, but not enough to make up for the missed time, Williams said. The district needed to make up about seven to meet state requirements.

School district officials extended the school year by one day to end June 22 and then used a combination of days for grading, parent-teacher conferences and teacher professional development and extending shortened finals days at the high school level, Williams said.

Beaverton officials were able to change the schedule without a vote by the teachers' association because they used work days already in the teachers' contract.

"It was a collaborative conversation with teachers," Williams said.

Corrections

The East Oregonian works hard to be accurate and sincerely regrets any errors. If you notice a mistake in the paper, please call 541-966-0818.

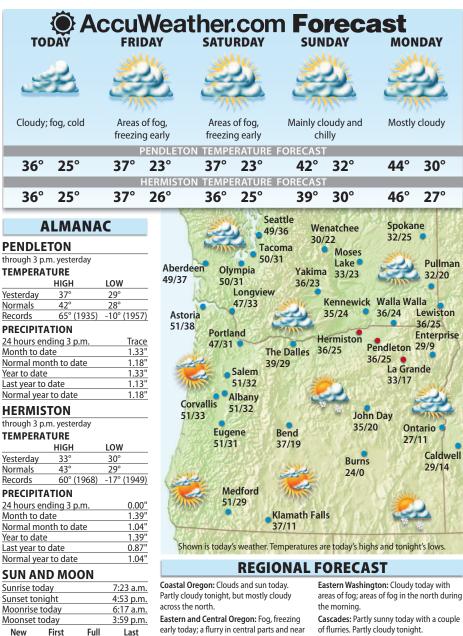
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early today; a flurry in central parts and near the Cascades Western Washington: Mostly cloudy today;

New

Jan 27

First

Feb 3

Last

Feb 18

Feb 10

a passing afternoon shower at the coast.

Northern California: Partly sunny today; frigid in the interior mountains. Patchy clouds tonight.

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| Aexico City | 78 | 45 | S | 77 | 46 | |

REGIONAL CITIES

| | oday | | Fri. | | Shown are noon positions of weather systems and precipitation. Temperature bands are highs for the day | у. |
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| 37 | 19 c | 37 | | рс | *************************************** | |
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| 36 | 25 c | 37 | 26 | | San Francisco | |
| 35 | 20 pc | 36 | 23 | | * Denver - 32/12 Kansas City 58/37 | |
| 37 | 11 pc | 31 | 11 | | Los Angeles 33/21 | |
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| Jerusalem | 55 | 42 | с | 47 | 36 | sh | | | |
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UV INDEX TODAY 0 1 1 0 0 0

8 a.m. 10 a.m. Noon 2 p.m. 4 p.m. 6 p.m. **0-2**, Low 3-5, Moderate 6-7, High; 8-10, Very High; 11+. Extreme The higher the AccuWeather.com UV Index[™] num ber, the greater the need for eye and skin protection.

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Los Angeles 63 44 s 66 44 s Wichita 41 22 s 45 27 s

Weather (W): s-sunny, pc-partly cloudy, c-cloudy, sh-showers, t-thunderstorms, r-rain, sf-snow flurries, sn-snow, i-ice.

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| Appalachians, where snow showers will develop t the Midwest. Areas of fog will develop in the West | |
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Yesterday's National Extremes: (for the 48 contiguous states) High 86° in McAllen, Texas

Low -25° in Mammoth Lakes, Calif.

NATIONAL CITIES

| | T Hi | oday Lo W | Hi | Fri. Lo W | | T Hi | oday Lo W | Hi | Fri. Lo W |
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| Albuquerque | 36 | 15 s | 36 | 16 s | Louisville | 43 | 30 c | 39 | 26 c |
| Atlanta | 55 | 34 pc | 50 | 32 s | Memphis | 47 | 30 s | 48 | 31 s |
| Atlantic City | 53 | 39 pc | 46 | 33 pc | Miami | 86 | 65 s | 82 | 57 pc |
| Baltimore | 56 | 34 pc | 45 | 29 pc | Milwaukee | 38 | 25 sf | 31 | 24 c |
| Billings | 31 | 20 s | 34 | 24 s | Minneapolis | 29 | 20 c | 31 | 24 c |
| Birmingham | 53 | 32 s | 49 | 31 s | Nashville | 46 | 33 pc | 45 | 29 pc |
| Boise | 28 | 13 c | 26 | 14 c | New Orleans | 60 | 43 s | 57 | 42 s |
| Boston | 51 | 34 pc | 44 | 32 pc | New York City | 51 | 36 sh | 44 | 32 pc |
| Charleston, SC | 71 | 38 sh | 59 | 35 s | Oklahoma City | 48 | 23 s | 50 | 26 s |
| Charleston, WV | 43 | 30 sh | 37 | 27 sf | Omaha | 29 | 19 pc | 33 | 25 pc |
| Chicago | 35 | 24 sf | 29 | 23 c | Philadelphia | 56 | 36 pc | 45 | 31 pc |
| Cleveland | 41 | 31 sn | 36 | 27 sf | Phoenix | 57 | 37 s | 58 | 37 s |
| Dallas | 54 | 33 s | 56 | 32 s | Portland, ME | 45 | 28 pc | 41 | 26 pc |
| Denver | 32 | 12 s | 37 | 20 s | Providence | 50 | 33 pc | 44 | 30 pc |
| Detroit El Paso | 41 50 | 30 sn 27 s | 35 48 | 28 sf 26 s | Raleigh Rapid City | 61 28 | 34 sh 17 pc | 51 36 | 31 s 24 s |
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| Honolulu | 82 | 68 pc | 82 | 65 pc | St. Louis | 37 | 28 c | 38 | 29 pc |
| Houston | 61 | 40 s | 61 | 44 s | Salt Lake City | 29 | 14 c | 25 | 13 c |
| Indianapolis | 37 | 27 sf | 31 | 24 c | San Diego | 61 | 46 s | 64 | 46 s |
| Jacksonville | 74 | 42 sh | 62 | 36 s | San Francisco | 55 | 41 pc | 56 | 40 s |
| Kansas City | 33 | 21 pc | 38 | 25 pc | Seattle | 49 | 36 c | 51 | 37 pc |
| Las Vegas | 48 | 35 s | 49 | 31 s | Tucson | 56 | 32 s | 55 | 32 s |
| Little Rock | 48 | 28 s | 50 | 29 s | Washington, DC | 58 | 37 pc | 47 | 31 pc |
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NATIONAL WEATHER TODAY n are noon positions of weather systems and precipitation. Temperature bands are highs for the day.

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