



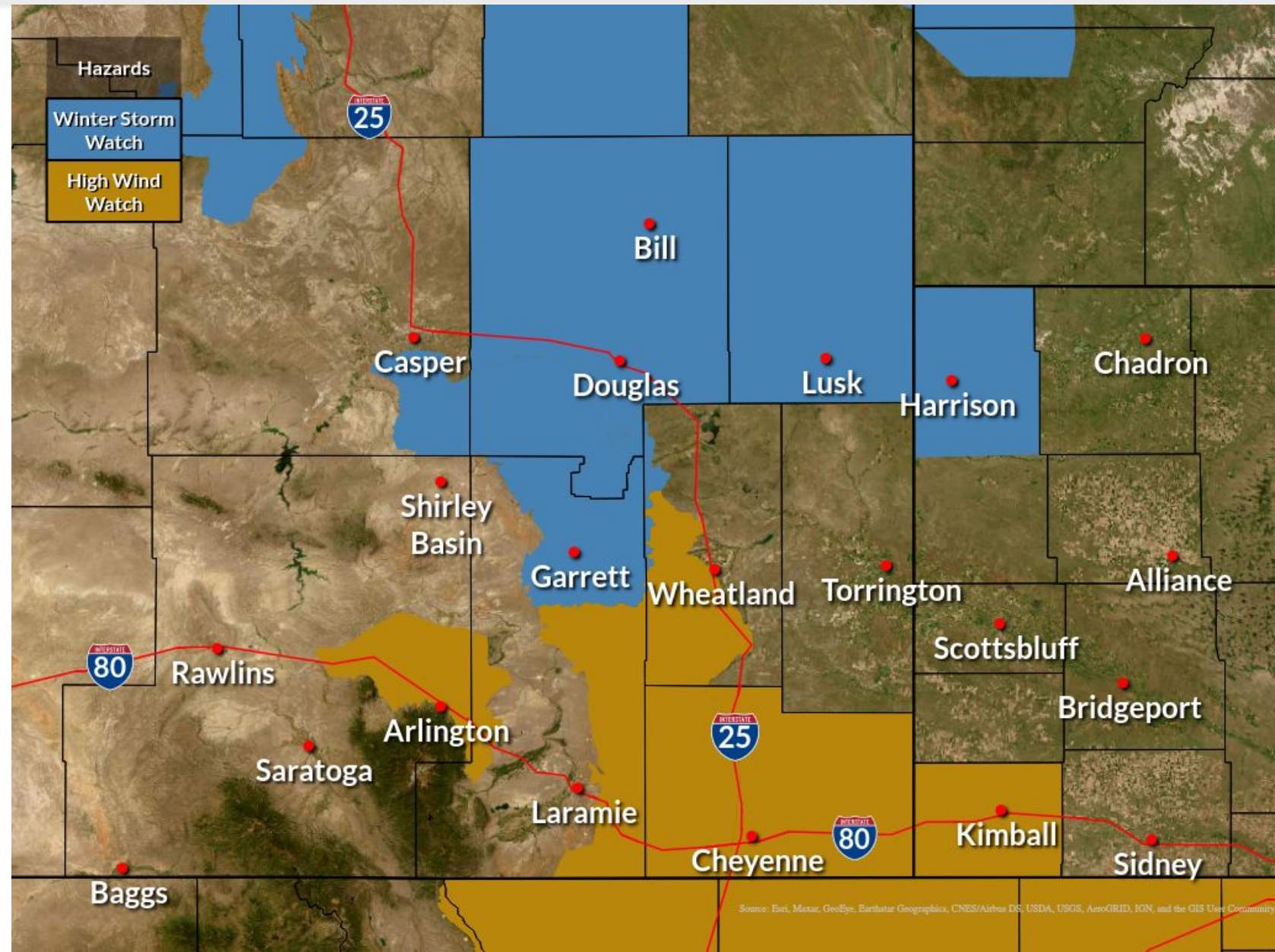
Incoming Winter Storm

April 4, 2024
6:35 PM

Saturday through Sunday

Key Messages

- Confidence is increasing for a significant winter storm impacting portions of the area Saturday through early Monday morning.
- The Pine Ridge (US-20 corridor) and the North Laramie Range have the highest probability of significant impacts.
- Strong winds are also increasingly likely with this storm.
- **Winter Storm Watch**
 - ◆ In effect for the **North Laramie Range** from **6 AM Saturday until 6 AM Monday**. Heavy snow is possible with **accumulations of 12 or more inches**. Winds could **gust as high as 75 MPH**.
 - ◆ In effect for **Converse, Niobrara, northern Sioux, and Dawes Counties** from **3 PM Saturday until 6 AM Monday**. **Blizzard** conditions possible! Snow **accumulations of 6 to 12 inches** with higher amounts possible along the Pine Ridge. Winds could **gust up to 55 MPH, reducing visibility** due to blowing and drifting snow.
- **High Wind Watch**
 - ◆ In effect for the **SE Wyoming wind prone areas** from **6 AM Saturday until 3 PM Sunday**. Wind **gusts up to 75 MPH** possible.
 - ◆ In effect for **Laramie and Kimball Counties** from **12 PM Saturday until 3 PM Sunday**. Wind **gusts up to 70 MPH** possible.



Headlines: Updated @ 2:30 PM





Maximum Wind Gust Timeline

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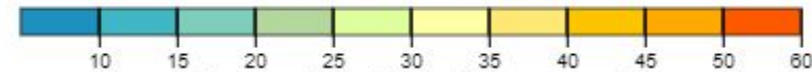
Saturday through Early Monday

Wind Gust Timeline

- West winds **40 to 50 MPH with gusts to 75 MPH** possible for the **wind prone areas** of Arlington/Elk Mountain, Bordeaux, and the Interstate 80 summit.
- Northwest winds **35 to 45 MPH with gusts up to 70 MPH** possible for **Laramie and Kimball Counties**.
- Areas outside of the current watches will still see strong, gusty winds!
- **High Wind Watches** may be extended to other locations!
- Strong cross winds will be hazardous to light weight or high profile vehicles, including campers and tractor trailers.
- Strong winds could also lead to areas of blowing and drifting snow, reducing visibility.

Maximum Wind Gust Forecast (mph)

| | 4/6 Sat | | | | | | | | 4/7 Sun | | | | | | | | 4/8 Mon | | | Maximum |
|-------------|---------|-----|-----|-----|------|-----|-----|-----|---------|-----|-----|-----|------|-----|-----|-----|---------|-----|-----|---------|
| | 12am | 3am | 6am | 9am | 12pm | 3pm | 6pm | 9pm | 12am | 3am | 6am | 9am | 12pm | 3pm | 6pm | 9pm | 12am | 3am | 6am | |
| Alliance | 47↘ | 44↘ | 40↘ | 30↑ | 30→ | 32→ | 44→ | 47→ | 48↘ | 51↘ | 51↘ | 45↘ | 44↘ | 40↘ | 35↘ | 25↘ | 20↘ | 20↘ | 20↘ | 51 |
| Arlington | 26↘ | 36↘ | 45↘ | 48↘ | 56↘ | 59↘ | 59↘ | 59↘ | 59↘ | 56↘ | 53↘ | 51↘ | 48↘ | 44↘ | 38↘ | 30↘ | 25↘ | 23↘ | 22↘ | 59 |
| Bordeaux | 20↘ | 35↘ | 37↘ | 41↘ | 53↘ | 59↘ | 59↘ | 53↘ | 55↘ | 55↘ | 52↘ | 45↘ | 41↘ | 38↘ | 37↘ | 22↘ | 17↘ | 15↘ | 18↘ | 59 |
| Chadron | 52↘ | 48↘ | 40↘ | 32↑ | 26↘ | 25↑ | 35↘ | 41↘ | 38↘ | 40↘ | 40↘ | 35↘ | 33↘ | 32↘ | 26↘ | 22↘ | 20↘ | 20↘ | 18↘ | 52 |
| Cheyenne | 22↑ | 23→ | 37→ | 48→ | 60→ | 66→ | 66→ | 66→ | 66→ | 63→ | 60→ | 59→ | 51↘ | 48↘ | 44↘ | 26↘ | 22↘ | 18↘ | 18↘ | 66 |
| Douglas | 14↘ | 25→ | 25→ | 32→ | 40→ | 44→ | 45→ | 47→ | 48↘ | 48↘ | 48↘ | 41↘ | 37↘ | 32↘ | 30↘ | 20↘ | 15↘ | 15↘ | 17↘ | 48 |
| Kimball | 33↑ | 23↑ | 29→ | 37↘ | 47↘ | 53↘ | 53↘ | 53↘ | 53↘ | 53↘ | 53↘ | 53↘ | 47↘ | 44↘ | 41↘ | 29↘ | 22↘ | 20↘ | 18↘ | 53 |
| Laramie | 18↘ | 20↘ | 32→ | 41→ | 52→ | 53→ | 52→ | 52→ | 52→ | 52→ | 48→ | 48→ | 48→ | 45→ | 38→ | 26→ | 22→ | 20→ | 18→ | 53 |
| Lusk | 38↑ | 22→ | 23→ | 30→ | 33→ | 38→ | 48→ | 52→ | 53↘ | 53↘ | 52↘ | 45↘ | 40↘ | 35↘ | 33↘ | 25↘ | 22↘ | 20↘ | 20↘ | 53 |
| Rawlins | 32→ | 28→ | 38→ | 48→ | 53→ | 53→ | 51→ | 51→ | 52→ | 48→ | 47→ | 41→ | 38→ | 35→ | 32→ | 26→ | 22→ | 18→ | 17→ | 53 |
| Scottsbluff | 29↘ | 25↘ | 25→ | 32→ | 40→ | 48→ | 53→ | 52→ | 48↘ | 48↘ | 48↘ | 45↘ | 40↘ | 35↘ | 33↘ | 25↘ | 20↘ | 17↘ | 18↘ | 53 |
| Sidney | 44↑ | 33↘ | 33↘ | 35↘ | 44↘ | 47↘ | 52↘ | 52↘ | 52↘ | 53↘ | 55↘ | 55↘ | 47↘ | 44↘ | 38↘ | 26↘ | 20↘ | 20↘ | 18↘ | 55 |
| Torrington | 33↘ | 17↘ | 22→ | 32→ | 40→ | 45→ | 47→ | 47→ | 47↘ | 47↘ | 47↘ | 44↘ | 40↘ | 37↘ | 33↘ | 23↘ | 18↘ | 17↘ | 17↘ | 47 |



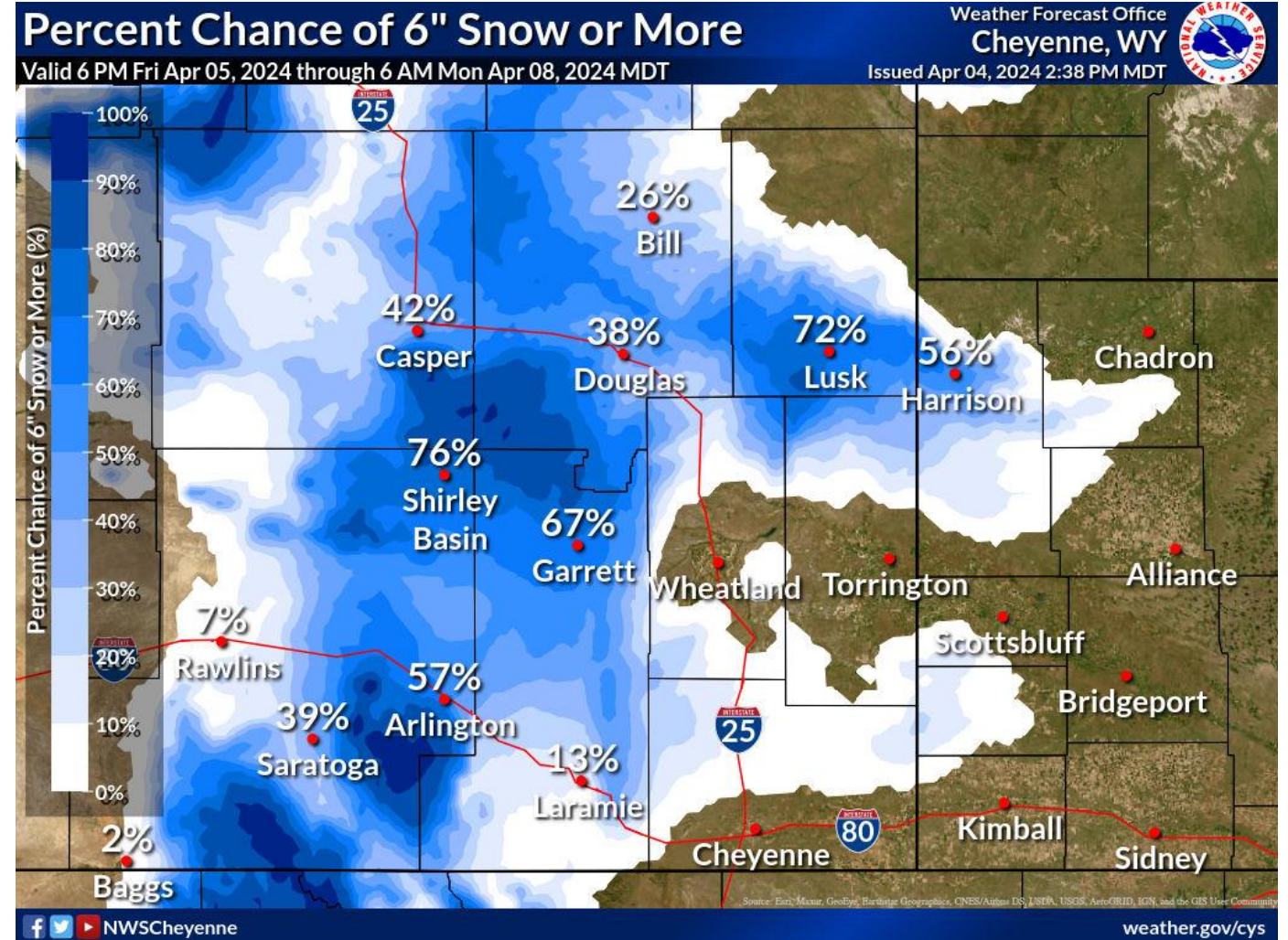
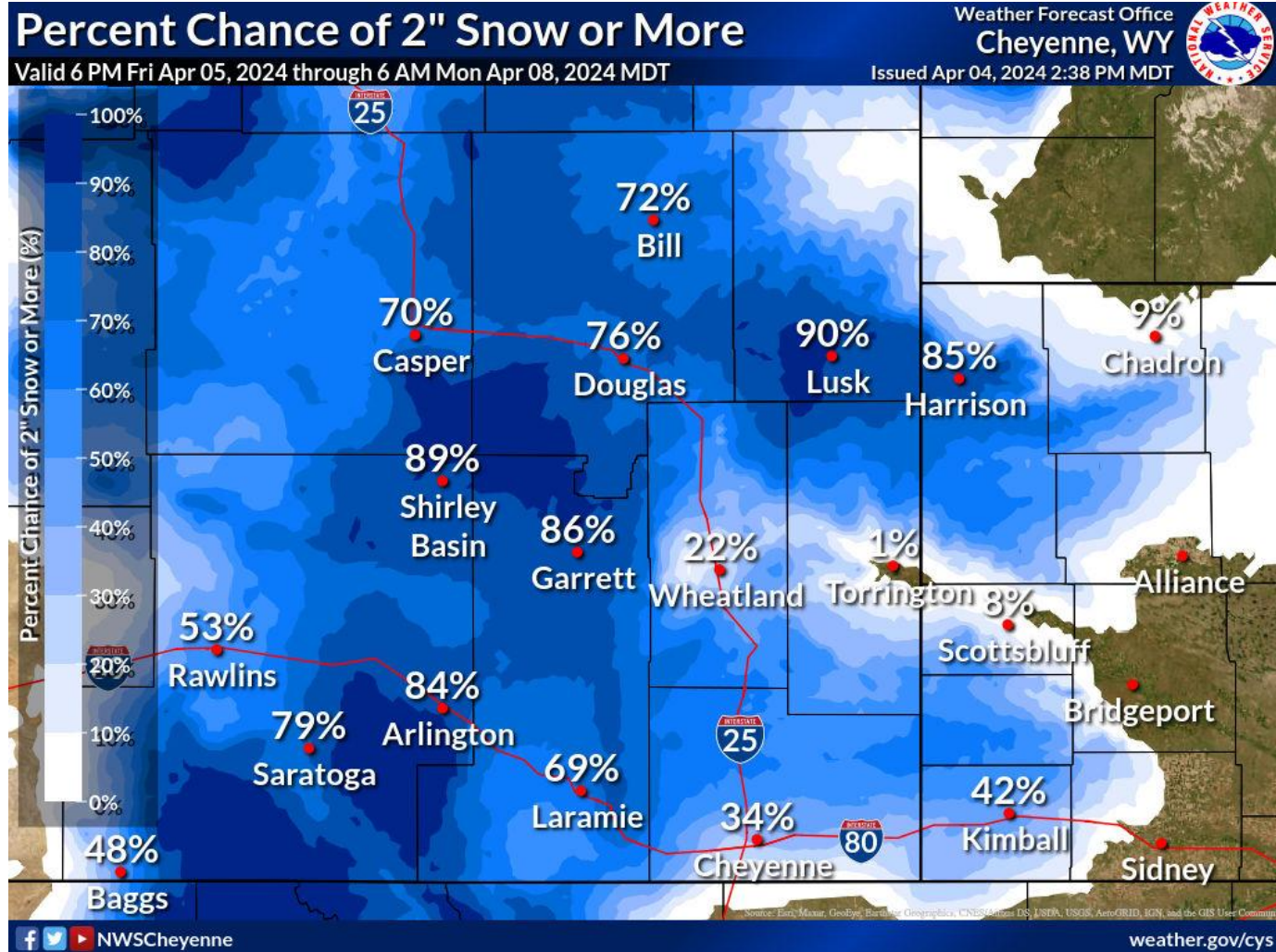
Created: 4 pm MDT Thu 4/4/2024 | Values are maximums over the period beginning at the time shown.



Snow Amount Probabilities

April 4, 2024
6:35 PM

Probability of Exceeding 2" (left) and 6" (right)



- Highest snowfall totals will be in the high terrain, including the Pine Ridge, as well as Niobrara and Converse Counties.
- Blizzard conditions could be possible, especially in Niobrara County and along the Pine Ridge.
- Still some uncertainty in snowfall amounts as models are not in full agreement with how fast this storm vacates the area. Snowfall amounts will also depend on when rain will transition to snow.



Timeline of Precipitation

April 4, 2024
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Precipitation Types

| | | Saturday | | | | Sunday | | | |
|-----------------|--------|----------|--------|--------|--------|--------------|--------------|--------|--|
| | 12 AM | 6 AM | 12 PM | 6 PM | 12 AM | 6 AM | 12 PM | 6 PM | |
| Cheyenne, WY | | Chance | | Chance | Chance | Chance | Chance | Chance | |
| Laramie, WY | | | | Chance | Chance | Chance | Chance | Chance | |
| Rawlins, WY | Chance | Chance | Chance | Chance | Chance | Chance | Chance | Chance | |
| Douglas, WY | Chance | Chance | | | | Blowing Snow | Blowing Snow | Chance | |
| Lusk, WY | Chance | Chance | | | | Blowing Snow | Blowing Snow | Chance | |
| Scottsbluff, NE | | | | | | | Chance | Chance | |
| Alliance, NE | | | | | | | | Chance | |
| Chadron, NE | | | Chance | | | | | Chance | |
| Sidney, NE | | | | | | | Chance | Chance | |

 Rain/Thunder

 Rain Showers

 Rain/Snow Mix

 Snow

Additional Resources:



[Latest Version of the Briefing Packet](#)



[Latest Updated Hazard Information](#)



[Radar Imagery](#)



[Recent Snowfall Reports](#)



[Live-updating Point Forecast](#)
Click on the map to select your location, or use the search bar to type in your city name or coordinates



Departments of Transportation
[WYDOT](#) / [NEDOT](#) / Dial 5-1-1



[NWS Cheyenne Probabilistic Snow](#)



[Graphical Hazardous Weather Outlook](#)



[NWS Winter Safety](#)

Winter Storm Watch

Dangerous winter weather is *possible* within the next **24 to 48 hours**. **Considerable travel problems** are *possible*.

get prepared.

Winter Storm Warning

Dangerous winter weather is expected within the next **12 to 36 hours** or is occurring. **Considerable travel problems** are expected.

take action.

Winter Weather Advisory

Potentially dangerous winter weather is expected within the next **12 to 36 hours** or is occurring. **Travel difficulties** are expected.

be aware.

Have Questions? Contact Us!



307-772-2468 or 1-800-269-6220



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US National Weather Service Cheyenne