

# SUMMARY OF WEATHER SERVICES

Prepared For:

WELLSBORO AREA SCHOOL DISTRICT,  
PENNSYLVANIA

Prepared By:



Your Front Against Weather



Thursday, August 10, 2023

Attn: Mrs. Alanna Huck  
Wellsboro Area School District  
570-724-4424  
ahuck@wellsborosd.org

Dear Mrs. Huck,

The enclosed information is presented to you and the Wellsboro Area School District on behalf of Nathan Wiles of *Wiles Valley Weather*.

Our services will ensure localized coverage for disruptive weather events that may lead to hazardous travel conditions across the district footprint. With access to critical weather information along with unlimited support from our team of meteorologists, our goal is to create a weather-ready environment in hopes to improve the planning and safety of your students and staff during inclement weather.

I am excited to have this opportunity to introduce my weather services to the Wellsboro Area School District and I look forward to developing a strong relationship with your team and forecasting the future to come.

Sincerely,

*Nathan Wiles*

Nathan Wiles  
Owner / Chief Meteorologist  
Wiles Valley Weather

**Mission Statement:** To deliver an unmatched, comprehensive weather service that will greatly enhance safety and reduce exposure to changing outdoor conditions.



## Summary of Services

### **Forecast Distribution (Winter Weather)**

- ✿ Subscribed contacts within the signing party will receive forecasts via the mobile app.
- ✿ Alerts are issued:
  - Up to 48 hours prior to the anticipated arrival of snow, sleet, and/or freezing rain
  - Up to 72 hours prior to snow events over 10.0"
  - Updates may be provided up to twice daily at the discretion of the meteorologist

#### Product Thresholds:

- ✿ Winter Weather, which may result in a **twenty percent (20%)** chance or greater threat of accumulating snow, sleet, and/or ice.
- ✿ Freezing Fog, which may result in at least isolated coverage of black ice
- ✿ Flash Freeze or Freeze-Up of wet surfaces following a rain or snow melt, which may result in at least scattered coverage of black ice
- ✿ River Flooding following a large-scale snowpack melt, which may result in river levels near Moderate Flood Stage or greater.

### **Forecast Distribution (Severe Weather)**

- 💧 Subscribed contacts within the signing party will receive forecasts via the mobile app.
- 💧 Alerts are issued:
  - Up to 36 hours prior to the anticipated threat of **severe weather**
  - Up to 72 hours prior to the anticipated arrival of **excessive rainfall**
  - Up to 24 hours prior to the anticipated threat of **unhealthy air quality**

#### Product Thresholds:

- 💧 Severe weather, which may result in scattered coverage of wind damage, scattered large hail (1.0" in diameter or greater), and/or isolated tornadoes
- 💧 Excessive rainfall, which may result in:
  - Isolated coverage of stream and/or creek flooding, and/or minor river flooding
  - Scattered coverage of poor-drainage / roadway flooding
- 💧 Air quality, which may exceed an average AQI of 150 (Unhealthy) for a 24-hour period

### **Weather Consultation**

- Weather consultation (conducted via phone or teleconference) must be prearranged for discussion of information outlined within the issued forecast.
- Unlimited e-mail or mobile app communications for additional decision support.



### Cost of Services

	Summer Services	Winter Services	Year-Round Coverage
<b>Severe Alerts</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Winter Alerts</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Winter Outlooks</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Consultation</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Mobile App</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Contacts Included</b>	2	3	5
<b>Annual Cost</b>	\$650.00	\$1,295.00	\$1,500.00
	March - November	November - April	Annual

### Clients We Serve



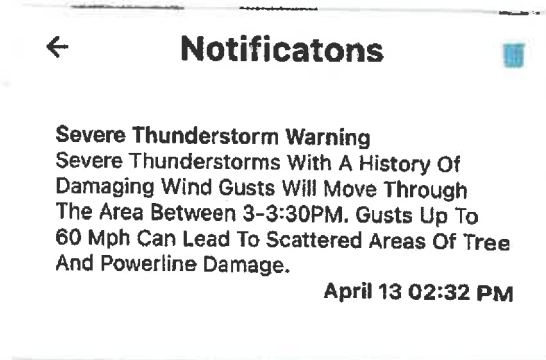


## Mobile Application

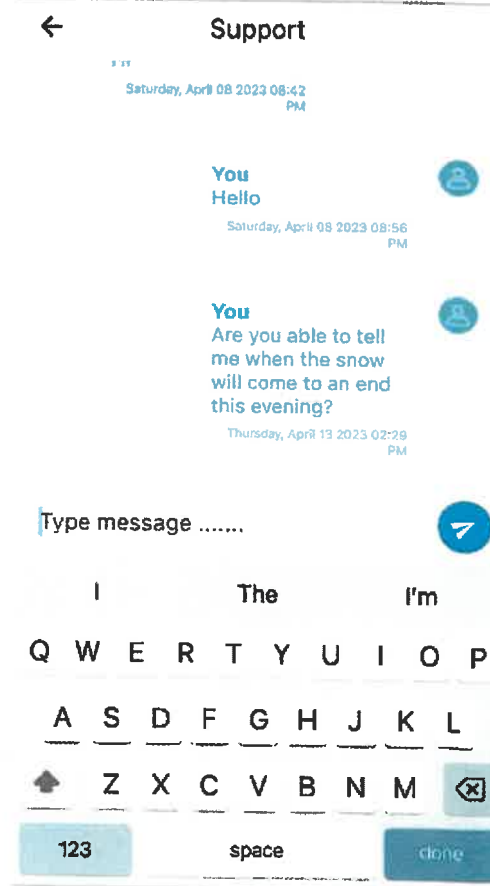
### HOME SCREEN



### PUSH NOTIFICATIONS



### LIVE SUPPORT CHAT





# WILES VALLEY WEATHER

Winter Alert

### Features:

- Event Snow and Ice Accumulations
- Travel and Power Impact forecast
- Event Start and End Times
- Pavement Accumulation forecast
- Timing of 1<sup>st</sup> inch on pavements
- Event Summary and Hazards

## Athens Borough, PA

Total Snow  
2.5 - 5.0"

Total Ice  
None

Travel Impacts  
Low

Power Impacts  
Minimal

### WINTER STORM ARRIVES LATE THIS AFTERNOON / EVENING

Start Time  
Today 4 - 5PM

End Time  
Monday 5 - 7AM

Forecast  
1.0 - 2.5"

First Inc. (Pavement)  
10PM - 12AM

Today

Tonight

Monday

39° F

Wind  
G 15 mph

Snow  
75% C

N/A Ice  
0%

Increasing clouds. Flurries or light snow develops towards 4 or 5PM.

**Temperature:** High: 37 - 39

**Wind:** S 5 - 10 mph, Gusts 15 mph

**Snow:** 75% Chance for a Coating (colder/grassy surfaces)

**Ice:** None

**Summary:** Flurries or light snow arrives late this afternoon and remain fairly light throughout the evening. Given the marginal temperatures, pavements likely struggle to accumulate until later tonight... There is a good possibility that the more moderate intensities may be delayed until after Midnight with steady snow through dawn before activity tapers to flurries. Any additional light snow during the day on Monday should favor normally colder surfaces.

**Event Hazard(s):** Snowfall rates up to 0.5"/hr tonight

**Next Update:** This Afternoon (2 - 4PM)



**Features:**

- Two-week Temperature Outlook
- Two-week Precipitation Outlook
- Plowable / Saltable Event forecast
- Weekly Event Summaries
- Runs Mid-Nov through April

**Week 1 Outlook**

Period 3/27 – 4/1

Temperature Outlook  
Near - Above Avg

Precipitation Outlook  
Average

Potential Salting Events  
1 - 2

Potential Plowable Events  
0

**Week 1 Summary**

- Temperatures bounce above and below normal this week; rising well above normal Saturday.
- A mix with snow tonight (Monday night) may result in some grassy coatings of snow. A slight chance for a freeze-up of wet surfaces exists early Tuesday morning. (Salting event possible)
- A strong cold front will bring moderate snow showers early Wednesday night along with gusts to 40 mph. Temps immediately fall well below freezing behind the front. (Salting event possible)
- The Friday-Saturday system may bring a brief mix with snow Friday morning and again Saturday night. No accumulations anticipated. Damaging wind gusts are possible Saturday.

**Week 2 Outlook**

Period 4/2 – 4/8

Temperature Outlook  
Average

Precipitation Outlook  
Near - Below Avg

Potential Salting Events  
0 - 1

Potential Plowable Events  
0

**Week 2 Summary**

- Cooler conditions Sunday with temperatures averaging around normal for the period.
- A mid-week weather system should bring mostly rain to the area, although a mix with freezing rain is not ruled out at the onset of precipitation. (Salting event not ruled out)
- Generally quiet conditions otherwise with limited opportunities for precipitation.

**Forecast Confidence:** Low confidence surrounding the Week 2 temperature forecast due to the uncertainty of a back-door cold front that could bring cooler than normal conditions. Overall, confidence is increasing for a further reduction of serviceable winter events.





**WILES VALLEY  
WEATHER**

## Severe Alert

### Features:

- Flooding and Severe Weather Hazard forecasts
- Event Rainfall forecast
- Event timing
- Detailed Event Narrative

### Stroudsburg, PA

Rain Amount **0.25 - 0.50"**

Flooding  
Minimal

Wind Damage  
Moderate

Large Hail  
Minimal

Tornado  
Low

**Strong to Severe Thunderstorms  
Likely This Afternoon / Evening**

**Time of Concern:** Today 5:30 - 11PM

**Primary Hazard(s):** Damaging Wind Gusts to 60 mph

**Discussion:** Severe thunderstorms are ongoing in western PA and are anticipated to reach the area around 5:30/6:30PM today. The primary concern is for straight line damaging wind gusts up to 60 mph in the strongest storms, which can result in scattered reports of tree and powerline damage. There is now also a slight chance for an isolated tornado within the county area along with small hail (although the higher tornado risk is mostly focused to our south and east).

**Next update:** None Scheduled