

Thor Guard Lightning Prediction System

“A Proactive Solution for Lightning Safety”



How it Works

- Sensors measure and analyze the electrostatic field in the atmosphere.
- Predicts the possible occurrence of lightning 8 – 20 minutes before it could potentially strike.

Operational Statistics

- The system has a coverage area radius of 2.5 miles
- It is 97% accurate within a 2-mile radius
- System operates seven days per week, from March 1 – November 1
- Operational times for Nelson Sports Complex & RMHS (7:00am – 11:00pm)
- Operational times for Kimball Hill & Plum Grove Park (8:00am – 10:00pm)

When a Threat is Detected

- Warning horn will sound with an uninterrupted 15-second blast and a strobe light will flash when there is a potential for a lightning strike within the coverage area
- Once a threat is detected, the system continuously updates data about energy in the air 50 times per second to see if the atmosphere still retains the potential energy necessary for a lightning strike
- Upon hearing the horn blast and/or seeing the strobe light, park users must leave the park and seek appropriate shelter

What Qualifies as Appropriate Shelter

- Inside buildings, hard top vehicles or other lightning protected facilities and amenities
- As a last resort: Seek low-lying areas or dense woods

What to Avoid

- Open areas/isolated trees
- Elevated ground
- Maintenance machinery
- Open top of soft top vehicles
- Overhead wires/power lines
- Water
- Metal
- Wire fences

When the Threat has Diminished

- The horn will sound three (3) short four-second blasts and the strobe light will turn off
- This horn signals that normal activity may resume

Thor Guard Locations

- Nelson Sports Complex
 - Audible at Community Center Parks/Fields
- Rolling Meadows High School
 - Audible at Park Central & at Waverly Park
- Plum Grove Park
 - Audible at Sunset Park
- Kimball Hill Park
 - Audible at Florey Park



Other Non-covered Locations

- Signal horns may not be at your site, but at a site within ear shot. If you hear the alarm, please leave the park immediately.
- Groups/athletic organizations that are at a park without the lightning prediction system should continue to follow the organization’s rules regarding inclement weather.
- If the weather appears to be threatening and no alarm is heard, please leave the park.