

## You Can See It!

Any member of the public can monitor the activity of these sirens.

The website is designed to be smartphone/tablet friendly...there is no app...(but they display nicely on a smartphone)

The Main Website is at:

<http://ccwy.thormobile2.net>

If you want to go directly to any site:

- ◆ **TBHS:** <http://ccwy.thormobile2.net/TBHS>
- ◆ **CCHS:** <http://ccwy.thormobile2.net/CCHS/cchs>
- ◆ **Bicentennial Park:** <http://ccwy.thormobile2.net/bicentennial>
- ◆ **Complex:** <http://ccwy.thormobile2.net/camplex>
- ◆ **Bell Nob Golf Course:** <http://ccwy.thormobile2.net/bellnob>
- ◆ **Wright JR/SR HS:** <http://ccwy.thormobile2.net/wright>

The Lightning Prediction System  
Is a cooperative project of:

- The Campbell County School District
- Campbell County Government
- The City of Gillette
- The Town of Wright
- Cam-Plex  
(Joint Powers Land Board)

Funding for this project provided by the:

Campbell County Community  
Public Recreation District  
(CCCPRD)

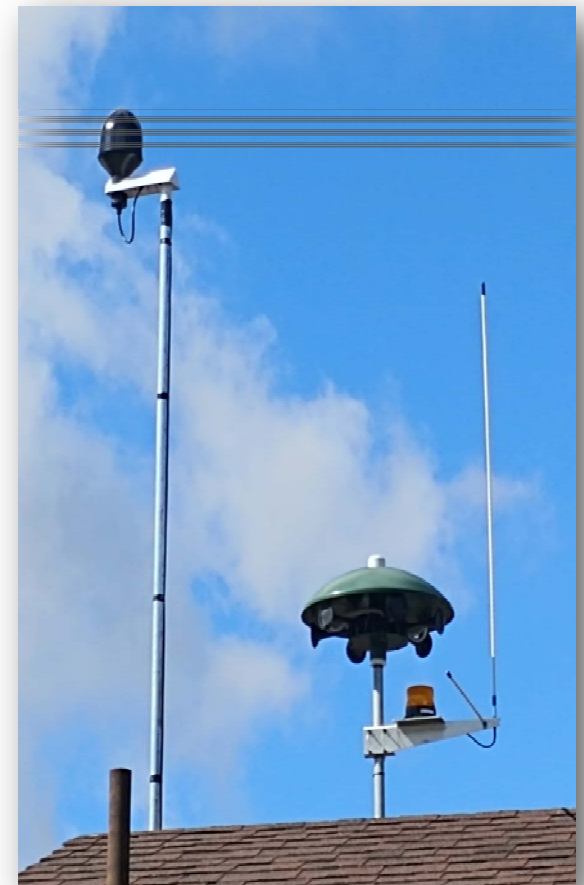
This information Provided By:  
The Campbell County  
Emergency Management Agency

500 South Gillette Avenue  
Suite 1100  
Gillette, WY 82716

Phone: 307-686-7477

Email: [ccema@campbellcountywy.gov](mailto:ccema@campbellcountywy.gov)

# The Lightning Prediction System in Gillette and Wright



# About Our “Lightning Prediction” System

This is a “prediction” system...letting us know in advance that conditions are building towards a lightning strike

The system includes hyperstatic sensors at six primary sites. They monitor electrical charges in the atmosphere within 15 miles of the sensor

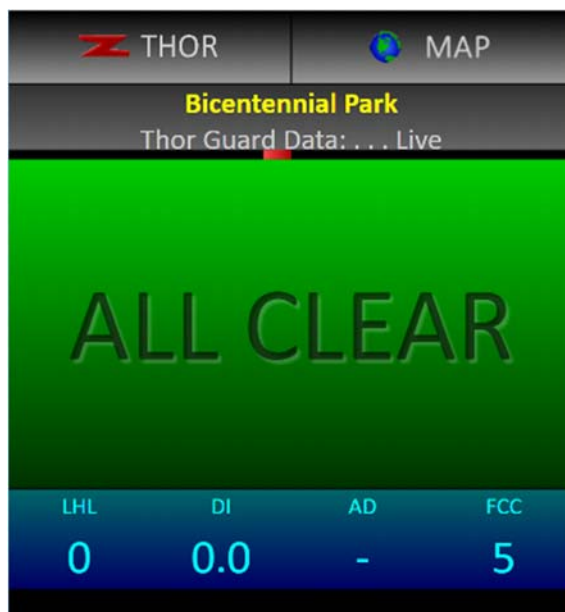
**It's related warning equipment provides warning that the system is predicting a lightning strike will occur within the next 10-15 minutes within 2.5 miles of the sensor**

*The warning triggers a 15 second horn, and a strobe light that goes off until the all clear, when the horn will go off three times, 5 seconds each*

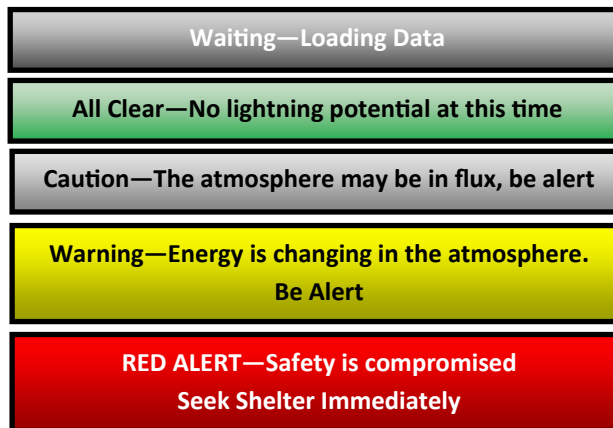
Each of these sensor sites have a Warning Horn and flashing Strobe Light, and each of them also has 1 to 3 remote warning horn/strobe light sites that are slaved off of the nearest sensor site.

- The Thunder Basin High School sensor also supports a remote warning site at Sage Valley Jr High School and the one at Dalby Park (the Fishing Lake)
- The Campbell County High School sensor supports the remote site at Twin Spruce Jr. High School and the Energy Capitol Sports Complex
- The sensor at Bicentennial Park supports a remote site near it's tennis courts fields
- The sensor at CamPlex supports a remote site at CamPlex Park
- The sensor at the Bell Nob club-house supports three remote sites scattered around so as to cover all of the golf course
- Wright Jr/Sr High School supports two remote sites at the Wright Golf Course

## What are you looking at Online?



Here is the display for the Bicentennial Park Sensor when it's not detecting ANY lightning activity



The little red bar in the center of the black line displays the type of electrical charge being sensed at that site.

- If the bar moves to the left, it's mostly negative charges.
- + If to the right, it's mostly positive charges.

### LHL—Lightning Hazard Level

The percentage chance of lightning / amount of energy within 15 miles of this sensor

### DI—Dynamic Index

The percentage chance of lightning / amount of energy change within 2.5 miles of this sensor

### AD—Activity Detector

The time since the last discharge/lightning strike. It will count down from 10 minutes, and at zero, an ALL Clear will be signaled (three 5 second blasts of the warning horn)

### FCC—Field Collapse Count

How many lightning strikes (field discharges) within 15 miles since the last time the system went into alert status (the point when it last predicted a strike within 2.5 miles within the next 10-15 minutes)