Florida Severe Weather Mesonet Application - Phase 8 (2026-2027)

General Information

The Florida Division of Emergency Management (FDEM) will be accepting applications for Phase Eight (8) of the Florida Severe Weather Mesonet Poject (FSWN), operated by WeatherSTEM. The purpose of this project is the expansion and sustainment of the statewide mesonet. This includes the purchase and installation of **ten (10)** optional Blast Outdoor Warning Systems for installation on new weather stations, covering the installation costs and a ten-year equipment maintenance contract for data storage and software development, effective on the date of installation of each Blast Outdoor Warning System. Project funding also covers the one-time purchase of **ten (10)** optional Air Quality Index Sensors for installation on new or existing weather monitoring stations. Maitenence costs for AQI sensors are covered within the standard WeatherSTEM maitenance package. Finally, project funding includes the purchase and installation of **thirty-six (36)** new weather monitoring stations, covering installation costs and a three-year equipment maintenance contract for data storage and software development, effective on the date of installation of each station. The stations will collect atmospheric data and camera images every minute and upload the vital information to an emergency management dashboard/platform via cellular communications, allowing them to report during severe weather events. The FSWN project will prioritize new weather station installations in areas that have not previously received stations from earlier phases, and/or locations that currently lack weather monitoring capabilities.

Application Process

To apply for the FSWN Project, please complete the application below to include specifc information for each requested weather monitoring station, Blast Outdoor Warning system, or Air Quality Index Sensors. As a reminder, Blast Outdoor Warning systems can only be installed on new weather monitoring stations. Air Quality Index Sensors, however, may be installed on new or existing weather monitoring stations. If requesting new weather monitoring stations, please include a brief summary of the method to pay for maintence years four (4) through ten (10) of the project, as written in the Memorandum of Agreement. Additionally, a justification for the proposed installation location and the benefit it would serve the mesonet must be provided for each weather station or Blast Outdoor Warning System. Applications for Air Quality Index sensors on existing weather stations can be filled out on the attatched supplemental application form.

Once completed, please email the application to **FSWN@em.myflorida.com.** If approved, applicants will have **sixty (60) days** to return a signed Memorandum of Agreement (MOA) to **FSWN@em.myflorida.com.** Failure to submit a signed MOA in the specified time frame will result in your application being wait-listed.

Applicant Information

Primary Contact:	
Secondary Contact:	
Organization Type:	
☐ **County:** ☐ **City:** ☐ **Nonprofit Organization:** ☐ **Other:**	
Phone Number:	
Email:	
Total Number of **Weather Montioring Stations** Requested:	
Method for Future Funding (Years 4-10 of Weather Monitoring Station)	

Specific Weather Station Request Information

This portion of the application is to detail each requested unit including: unit type, location (address and city) and a justifcation for each respective installation location. The justification should speak to the benefit for the FSWN of strategically placing a weather monitoring station at the location. Each unit is given a unique number for tracking purposes, starting at 1 and ascending.

Unit Number	Facility/Location Name	Street Address	City
1			
	Requesting Blast Outdoor Warning System?	**YES** ☐	**NO** ☐
	Requesting Air Quality Index Sensor?	**YES** ☐	**NO** ☐
	Benefit to Public Safety:		

Unit Number	Facility/Location Name	Street Address	City
2			
	Requesting Blast Outdoor Warning System?		YES ☐ NO ☐
	Requesting Air Quality Index Sensor?		YES ☐ NO ☐
	Benefit to Public Safety:		

Unit Number	Facility/Location Name	Street Address	City
3			
	Requesting Blast Outdoor Warning System?		YES ☐ NO ☐
	Requesting Air Quality Index Sensor?		YES ☐ NO ☐
	Benefit to Public Safety:		

Unit Number	Facility/Location Name	Street Address	City
4			
	Requesting Blast Outdoor Warning System?		YES ☐ NO ☐
	Requesting Air Quality Index Sensor?		YES ☐ NO ☐
	Benefit to Public Safety:		

Unit Number	Facility/Location Name	Street Address	City
5			
	Requesting Blast Outdoor Warning System?		YES ☐ NO ☐
	Requesting Air Quality Index Sensor?		YES ☐ NO ☐
	Benefit to Public Safety:		

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APPLICATION FOR AIR QUALITY INDEX SENSOR INSTALLATION ON EXISTING WEATHER STATION

General Information

The Florida Division of Emergency Management (FDEM) will be accepting applications for Phase Eight (8) of the Florida Severe Weather Mesonet Poject (FSWN), operated by WeatherSTEM. The purpose of this project is the expansion and sustainment of the statewide mesonet. This includes the purchase and installation of ten (10) optional Blast Outdoor Warning Systems for installation on new weather stations, covering the installation costs and a ten-year equipment maintenance contract for data storage and software development, effective on the date of installation of each Blast Outdoor Warning System. Project funding also covers the one-time purchase of ten (10) optional Air Quality Index Sensors for installation on new or existing weather monitoring stations. Maitenence costs for AQI sensors are covered within the standard WeatherSTEM maitenance package. Finally, project funding includes the purchase and installation of thirty-six (36) new weather monitoring stations, covering installation costs and a three-year equipment maintenance contract for data storage and software development, effective on the date of installation of each station. The stations will collect atmospheric data and camera images every minute and upload the vital information to an emergency management dashboard/platform via cellular communications, allowing them to report during severe weather events. The FSWN project will prioritize new weather station installations in areas that have not previously received stations from earlier phases, and/or locations that currently lack weather monitoring capabilities.

Application Process

This form is only to be used if requesting the installation of an Air Quality Index Sensor on an existing weather station. Please refer to the primary FY26/27 WeatherSTEM application form for Air Quality Index Sensor installation on new weather stations. To apply for an Air Quality Index Sensor installation on an existing weather station, please fill out the below fields that detail pertinent information pertaining to the weather station that an Air Quality Index Sensor installtion is being requested for.

Once completed, please email the application to **FSWN@em.myflorida.com.**

Applicant Information

Primary Contact:	
Secondary Contact:	
Organization Type:	
☐ **County** ☐ **City** ☐ **Nonprofit Organization** ☐ **Other:**	
Phone Number:	
Email:	
Total Number of **AQI Sensors** Requested:	

Air Quality Index Sensor Request Information

This portion of the application is to detail (name and address) each existing weather station that an air quality index sensor is being requested for and a justifcation for each respective installation location. The justification should speak to the benefit for the FSWN of strategically placing an air quality index sensor at the location. Each Air Quality Index Sensor is given a unique number for tracking purposes, starting at 1 and ascending.

Unit Number	Existing Weather Station Name	Street Address	City
1			
	Benefit to Public Safety		

Unit Number	Existing Weather Station Name	Street Address	City
2			
	Benefit to Public Safety		

Unit Number	Existing Weather Station Name	Street Address	City
3			
	Benefit to Public Safety		

Unit Number	Existing Weather Station Name	Street Address	City
4			
	Benefit to Public Safety		

Unit Number	Existing Weather Station Name	Street Address	City
5			
	Benefit to Public Safety		