



**Midwest Emergency  
Communications Association  
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## **Goals of the MWECA**

The Goals of the MWECA are broken down into several objectives with sub-projects.

### **1. Objective One**

Objective one will consist of three projects that will involve replacing older antenna systems that were damaged in the recent ice storm in February of 2007. The new antenna systems will be less vulnerable to severe weather. We are now in the middle of the spring severe weather season so we hope to have objective one completed within the next 30 days. The estimated cost for the three projects will be \$3600.00 (thirty-six hundred dollars).

#### **Projects**

1. Replace the High Frequency antenna system at the Greene county Emergency Management Office. This system is used by the EMO to communicate with the EMO office in Jefferson City MO. during times of crisis, like the recent ice storm in February that damaged power and communication lines. The cost for this project will be \$600.00 (six hundred dollars).
2. Replace VHF antenna Systems at the National Weather Service Offices in Springfield MO. The antenna systems were damaged from the ice storm in February 2007. The NWS uses these antenna systems to communicate with the Skywarn Severe Weather Spotters during dangerous weather events, as in ice storms, severe thunderstorms and tornadoes. The cost for this project will be \$1,600.00 (sixteen hundred dollars).
3. Update the VHF antenna Systems at the National Weather Service Office in Pleasant Hill MO. Install a Cushcraft 26-B2 antenna and rotor. The NWS will be able to use this system to communicate direct to the NWS office in Springfield Mo. Also update if needed the antenna systems used to communicate with the Skywarn Severe Weather Spotters during dangerous weather events, as in ice storms, severe thunderstorms and tornadoes. The cost for this project will be \$1,600.00 (sixteen hundred dollars).

### **2. Objective Two**

The MWECA is dedicated to training individuals, emergency personnel, and amateur radio operators in emergency communications procedures and protocols.

This training is vital to keeping all citizens in the effected communities safe and well informed in the event of severe weather or a major disaster.

#### Projects

1. The MWECA will provide training classes to individuals and emergency personnel to pass their first FCC amateur radio license exam, with additional training in proper procedures and protocol. Training classes will be held quarterly.
2. Provide Skywarn Severe Weather training classes to ensure we have proficient radio operators during a dangerous weather event. This training will include how to be a net control operator, be a weather spotter, read radar images, and how to coordinate mobile weather spotters. Training classes will be held quarterly.
3. Provide more extensive training in the emergency communications field. This training will include correct equipment setup and operating procedures and how to use the American Radio Relay League's (NTS) National Traffic System and other forms of emergency communications that will be needed during or after a major disaster. Training classes will be held quarterly.

### 3. Objective Three

#### Project

1. Install a microwave data system to connect the county Emergency Management offices in southwest Missouri to the Emergency Management Office in Jefferson City, Missouri. This will include ten counties in Missouri; Greene, Christian, Webster, Taney, Stone, Lawrence, Barry, Jasper, Newton, McDonald, and one county in Kansas; Cherokee, and the National Weather Service in Springfield, Missouri. Install a computer and radio system in each of the listed county Emergency Management Offices. This system will be used for the National Weather Service Office during dangerous weather events, as well as the Emergency Management Offices to coordinate their efforts with other counties in the microwave data systems, coverage area in Missouri, as well as the State Emergency Management Office in Jefferson City, Missouri.

#### Project

2. Repair or replace the Skywarn radio repeater system in the Joplin Missouri area, which will be included on the microwave data system to connect it back to the Springfield Missouri Skywarn radio repeater system. This system will be used for the National Weather Service to communicate with the Skywarn Severe Weather Spotters.

#### Project

3. Install the second section of the microwave data system to connect the county Emergency Management offices in central Missouri to the Emergency Management Office in Jefferson City, Missouri. This will include ten counties in Missouri; Laclede, Camden, Morgan, Moniteau, Cole, Miller, Osage, Maries, Phelps, and Pulaski. Install a computer and radio system in each of the listed county Emergency Management Offices. This system will be used for the National Weather Service during dangerous weather events, as well as the Emergency Management Offices to coordinate their efforts with other counties in the microwave data systems, coverage area in Missouri, as well as the State Emergency Management Office in Jefferson City, Missouri.

Project

4. Install the third section of the microwave data system to connect the county Emergency Management offices in western Missouri to the Emergency Management Office in Jefferson City, Missouri. This will include nine counties in west central Missouri; Dallas, Polk, Cedar, Dade, Benton, Vernon, Bates, Saint Clair, Hickory, and two counties in Kansas; Crawford, and Bourbon. Install a computer and radio system in each of the listed county Emergency Management Offices. This system will be used for the National Weather Service during dangerous weather events, as well as the Emergency Management Offices to coordinate their efforts with other counties in the microwave data systems, coverage area in Missouri, as well as the State Emergency Management Office in Jefferson City, Missouri.

Project

5. Install the fourth section of the microwave data system to connect the county Emergency Management offices in south central Missouri to the Emergency Management Office in Jefferson City, Missouri. This will include nine counties in south central Missouri; Dent, Texas, Shannon, Douglas, Ozark, Howell, Oregon, Carter, and Ripley. Install a computer and radio system in each of the listed county Emergency Management Offices. This system will be used for the National Weather Service during dangerous weather events, as well as the Emergency Management Offices to coordinate their efforts with other counties in the microwave data systems, coverage area in Missouri, as well as the State Emergency Management Office in Jefferson City, Missouri.

Project

6. Install packet radio data systems in several counties in Objective Three's covered microwave data system area to allow Amateur radio operators to send storm reports, damage reports, etc. to the National Weather Service, or the coordinating Emergency Management Office.

Project

7. Link the Skywarn Radio Repeaters systems in Objective Four's, microwave data system coverage area into the microwave data system. This will be used

for the National weather Service to communicate with the Skywarn Mobile storm Spotters.

#### 4. Objective Four

##### Project

1. Install the Fifth section of the microwave data system to connect the county Emergency Management offices in west and central Missouri to the Emergency Management Office in Jefferson City, Missouri. This will include twelve counties in west central Missouri; Henry, Cass, Johnson, Pettis, Saline, Lafayette, Jackson, Clay, Ray, Carroll, Clinton, Caldwell, and the National Weather Service in Pleasant Hill, Missouri. Install a computer and radio system in each of the listed county Emergency Management Offices. This system will be used for the National Weather Service during dangerous weather events, as well as the Emergency Management Offices to coordinate their efforts with other counties in the microwave data systems, coverage area in Missouri, as well as the State Emergency Management Office in Jefferson City, Missouri.

##### Project

2. Install the Sixth section of the microwave data system to connect the county Emergency Management offices in northwest Missouri to the Emergency Management Office in Jefferson City, Missouri. This will include nine counties in northwest Missouri; Platte, Buchanan, Andrew, Dekalb, Holt, Atchison, Nodaway, Gentry, and Worth. Install a computer and radio system in each of the listed county Emergency Management Offices. This system will be used for the National Weather Service during dangerous weather events, as well as the Emergency Management Offices to coordinate their efforts with other counties in the microwave data systems, coverage area in Missouri, as well as the State Emergency Management Office in Jefferson City, Missouri.

##### Project

3. Install the Seventh section of the microwave data system to connect the county Emergency Management offices in north central Missouri to the Emergency Management Office in Jefferson City, Missouri. This will include nine counties in north central Missouri; Livingston, Linn, Daviess, Harrison, Grundy, Mercer, Sullivan, Putnam, Howard, Cooper, and Boone. Install a computer and radio system in each of the listed county Emergency Management Offices. This system will be used for the National Weather Service during dangerous weather events, as well as the Emergency Management Offices to coordinate their efforts with other counties in the microwave data systems, coverage area in Missouri, as well as the State Emergency Management Office in Jefferson City, Missouri.

Project

4. Install packet radio data systems in several counties in Objective Fours covered microwave data system area to allow Amateur radio operators to send storm reports, damage reports, etc. to the National Weather Service, or the coordinating Emergency Management Office.

Project

5. Link the Skywarn Radio Repeaters systems in Objective Fours, microwave data system coverage area into the microwave data system. This will be used for the National weather Service to communicate with the Skywarn Mobile storm Spotters.