

**FAULKNER COUNTY LEPC 2023**

**Team:**LEPC  
**Date:**APRIL 19, 2023  
**Time:**12:11 PM TO 1:06 PM  
**Location:**FAULKNER COUNTY OFFICE OF EMERGENCY MANAGEMENT  
**Members Present:** ASHLEY ROBERTS, SHELIA MOIX, JIMMY WIEDOWER, CAROL WALTON, NYCOLE BARR, LOGAN PRYOR, SUSAN MOLSBEE, DEREK COX, KYNDEL SMIITH, JOHN KNORRS, JENNIFER EVANS

Agenda Item	Discussion	Responsible Party	Follow Up Required
I. CALL TO ORDER	Shelia called the meeting to order, welcomed the group and thanked Dennis Cavanaugh with the National Weather Service for doing the presentation and thanked Conway Corporation for providing today's meal.	Shelia Moix	
II. APPROVAL OF MINUTES	A motion and second was made to approve the last meeting's minutes. Minutes were approved.	Shelia Moix	
III. PROGRAM	<p>Dennis Cavanaugh with the National Weather Service was today's presenter. He first stated that between January 1 and March 31 of this year has been a record-breaking year for tornadoes. April has slowed down a bit for severe weather and tornado outbreaks but we are only half way through storm season. He spoke on how thunderstorms were formed. The ingredients of a thunderstorm is heat/humidity, instability and lift. Heat and humidity is the fuel for a thunderstorm. Instability is when heat and humidity begin to rise into the atmosphere. Lift gets air rising. Lift is also known as the front. Fronts consist of cold front, warm front and stationary front. When cold air is above or aloft over the heat and humidity at the earth's surface, a thunderstorm is possible. An updraft is formed which is the tower of clouds where the warm air is rising. At 100% relative humidity rain or hail is created in the atmosphere. The downdraft is where the rain or hail is falling back to earth. The purpose of a thunderstorm is to balance the atmosphere. When you see bright white cauliflower looking clouds, you are seeing updraft clouds. This is the engine of a thunderstorm. A tornado is part of the updraft and is the lowest extension of the updraft. A tornado is defined as a violently rotating column of air in contact with the ground and storm at the same time. A few tornado safety tips include 1) get to a storm shelter 2) get to ground level 3) be in a solid foundation structure 4) get to the lowest floor in the most interior room putting as many walls in between you and the tornado 5) if air can get under you, it is not safe. Downdraft clouds are 90% of a thunderstorm. These clouds are very ragged and choppy, can appear very dark and streaky and are organized in a line in front of the rain. A microburst is often confused with a tornado. A microburst is damaging downdraft winds. The damage of a microburst is next to the downdraft, not under it. A school gymnasium is the most dangerous location during a storm. Windshear is when the wind changes speed or direction with height. To predict a forecast meteorologist consider a balance of</p>	Dennis Cavanaugh	

