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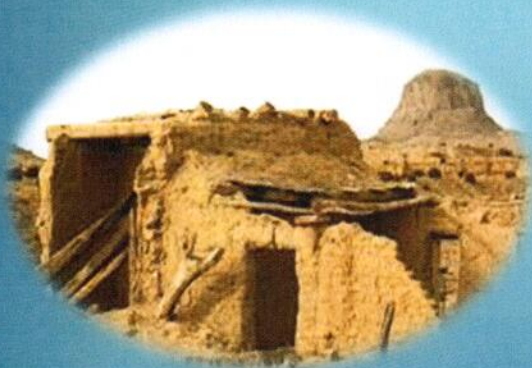
SANDOVAL COUNTY, NEW MEXICO

DRAFT

THREAT AND HAZARD IDENTIFICATION AND RISK ASSESSMENT (THIRA)



MARCH 2015



Sandoval County Emergency Management
Prepare, Respond, Recover

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Introduction

In 2014 the State Department of Homeland Security and Emergency Management (DHSEM) required each community receiving Emergency Preparedness Performance Grant (EMPG) funding to complete a Threat and Hazard Identification and Risk Assessment (THIRA) for their community; in 2014 an initial THIRA was developed based off that requirement for Sandoval County. As a condition of continued EMPG funding Sandoval County's THIRA must be revised on an annual basis. This revised THIRA for 2015 includes two additional Threat / Hazards and has been reformatted.

Purpose

The purpose of a THIRA is for every community to understand the risks it faces. By understanding its risks, a community can make smart decisions about how to manage risk, including developing needed capabilities. Risk is the potential for an unwanted outcome resulting from an incident, event, or occurrence, as determined by its likelihood and the associated consequences. By considering changes to these elements, a community can understand how to best manage and plan for its greatest risks across the full range of the threats and hazards it faces. The THIRA process helps communities identify capability targets and resource requirements necessary to address anticipated and unanticipated risks

THIRA Structure

This THIRA is structured as follows: Threats and Hazards are identified; under each Core Capability the desired Outcomes and Impacts are identified for each Threat and hazard, Capability Targets, Resource Requirements: NIMS Tier I Resources and Resource Requirements: Other Resources. Under Resource Requirements: Other, under this Planning, Organization, Equipment, Training, and Exercise (POETE) is identified. See Basic Structure below.

Threats and Hazards

Category	Threat/Hazard	Context
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Core Capability

Desired Outcomes and Impacts

Threat/Hazard	Desired Outcomes	Impacts
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Capability Targets

Resource Requirements: NIMS Tier I Resources

Group	Resource	Type	Number Required
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Resource Requirements: Other Resources

Resource	POETE	Number Required
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¹ Reference Threat and Hazard Identification and Risk Assessment Guide, Comprehensive Preparedness Guide (CPG) 201 Second Edition August 2013 for additional information on the process.

Step one of the Sandoval County THIRA centers on the identification of the variety of threats and hazards that are applicable to the County. The analysis centers on three types of events:

Natural hazards: are those resulting from acts of nature, such as earthquakes, or tornadoes and disease outbreaks or epidemics.

Technological hazards: are those resulting from accidents or the failures of systems and structures, such as hazardous materials spills or dam failures.

Threats or human-caused threats: are those resulting from the intentional actions of an adversary, such as a threatened or actual chemical or biological attack or cyber event

Table: Examples for each type of events; Sandoval County events for this revision are **BOLDED and UNDERLINED**.

<u>Natural</u>	<u>Technological</u>	<u>Human-Caused</u>
<u>PANDEMIC: HUMAN</u>	<u>PIPELINE EXPLOSION</u>	<u>LONE WOLF ATTACK</u>
Flood	Hazardous Materials	Cyber attack
Wildfire	Dam Failure	Multiple victim Shooting
Drought	Levee Failure	Bio-Terrorism
Winter Storm	Utility Failure	Sabotage
Earthquake	Radiological	Other Terrorist Act
Disease outbreak: Animal		