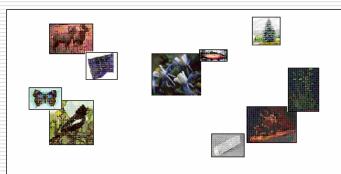
WATF Presentation on the State Hazard Mitigation Plan and Drought Annex

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State Hazard Mitigation Officer
Colorado Division of Emergency Management
November 2006

State of Colorado Natural Hazard Mitigation Plan 2004

http://www.dola.
state.co.us/oem/
Mitigation/MIT1.
HTM



State of Colorado Natural Hazard Mitigation Plan 2004

Prepared by the Colorado Office of Emergency Management 2001

Updated in 2004 by the Colorado Division of Emergency Management



tate Animal – Rocky Mountain Bighom Sheep State Bird – Lark Bunting State Fish – Greenback Cutthroat rout State Flower – Columbine State Fossil – Stegosaurus State Gernstone – Aquamarine State Tartan tate Grass – Blue Grama Grass State Insect - Colorado Hairstreak Butterfly State Tree - Colorado Blue Spruce jource of Photos: http://www.archives.state.co.us/arcembl.html

Disaster Mitigation Act of 2000

- Amended the Robert T. Stafford Disaster Relief and Emergency Assistance Act of 1989 (Public Law 93-288, as amended.)
- ☐ The Stafford Act serves as the mechanism through which the federal government delivers financial and technical assistance to state and local governments following presidential disaster and emergency declarations.

Disaster Mitigation Act of 2000

- □ Section 322 of DMA2000 required that all state hazard mitigation plans be updated to reflect the changes set forth in the Act.
- □ The plan, once approved by FEMA, qualifies the State for Public Assistance (permanent structures) and Hazard Mitigation grants for the next three years
- The plan was last officially approved on November 1, 2004.

- State agencies with roles in mitigation that strongly participate in the plan development process are eligible to apply for mitigation funds.
- Some state agencies/facilities are completing their own plans.
- □ FEMA has just put out amended guidance for the 2007 updates.

State Plan

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Annexes

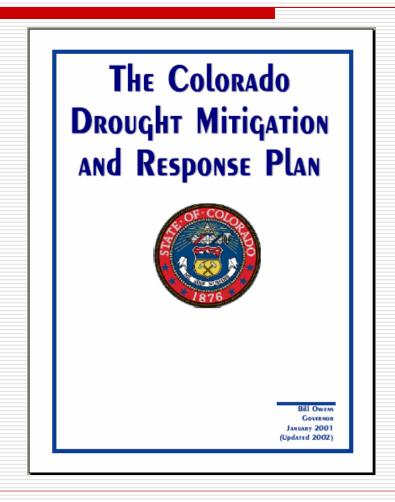
Colorado Drought Response and Mitigation Plan 2001

Colorado Flood Hazard Mitigation Plan 2004

Colorado Landslide Hazard Mitigation Plan 1988 and Update 2002 State of Colorado Wildfire Hazard Mitigation Plan 2002 State of Colorado Severe Winter Weather Annex

Earthquake Evaluation Report

The Colorado Drought Mitigation and Response Plan (2002)



FEMA Requirements: Profiles

STANDARD	STATE	H A Z A R D) MITIGATION	DIAN REVI	IEW CROSSWALK
31 41 5 4 1 5	31711		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		LAA CIVOSSAAVEIV

FEMA REGION [INSERT #]

State:

Date of Plan:

Matrix A: Profiling Hazards

This matrix can assist FEMA in scoring each hazard. States may find the matrix useful to ensure that their plan addresses each natural hazard that can affect the State. Completing the matrix is not required.

Note: First, check which hazards are identified in requirement §201.4(c)(2)(i). Then, place a checkmark in either the N or S box for each **applicable** hazard. An "N" for any element of any identified hazard will result in a "Needs Improvement" score for this requirement. List the hazard and its related shortcoming in the comments section of the Plan Review Crosswalk.

Hazard Type	Hazards Identified Per Requirement §201.4(c)(2(iii)		cation	Occur	vious rences	C. Probability of Future Events		
	Yes	N	S	N	S	N	<u>s</u>	
Avalanche				🗆				
Coastal Erosion								
Coastal Storm								
Dam Failure								
Drought								
Earthquake								
Explansive Soils								
Extreme Heat								
Flood								
Hailstorm								
Hurricane								
Land Subsidence								
Landslide								
Levee Failure								
Severe Winter Storm								
Tornado								
Isunami								
Volcano								
Wildhre								
Windstorm								
Uther								
Uther								
Uther								



Legend:

§201.4(c)(2)(i) Profiling Hazards

- A. Does the risk assessment identify the location (i.e., geographic area affected) of each natural hazard addressed in the new or updated plan?
- B. Does the plan provide information on previous occurrences of each hazard addressed in the new or updated plan?
- C. Does the plan include the probability of future events (i.e., chance of occurrence) for each hazard addressed in the new or updated plan?

FEMA Requirements: Vulnerability

STANDARD STATE HAZARD MITIGATION PLAN REVIEW CROSSWALK

FEMA REGION [INSERT #1

State Date of Plan:

Matrix B: Assessing Vulnerability

This matrix can assist FEMA in scoring each hazard. States may find the matrix useful to ensure that their plan addresses each requirement. Note that this matrix only includes items for Requirements §201.4(c)(2)(ii) and §201.4(c)(2)(iii) that are related to specific natural hazards that can affect the State. Completing the matrix is not required.

Note: First, check which hazards are identified in requirement §201.4(c)(2)(i). Then, place a checkmark in either the N or S box for each applicable hazard. An "N" for any element of any identified hazard will result in a "Needs Improvement" score for this requirement. List the hazard and its related shortcoming in the comments section of the Plan Review Crosswalk.

Hazard Type	Hazards Identified Per Requirement §201.4(c)(2)(i)		1. Vulnerability by Jurisdiction					3. Loss Estimate by Jurisdiction		4. Loss Estimate of State Facilities	
	Yes		N	S	N	S		N	S	N	<u> </u>
Avalanche											
Coastal Brosion							w				
Coastal Storm		≻					osses				
Dam Failure		ability					õ				
Drought		Έ									
Earthquake		2					É				
Expansive Soils		Vulnera					Potential				
Extreme Heat							_				
Flood		sing					.≝″				
Hailstorm		SSeS					Estimating				
Hurricane		•					늁				
Land Subsidence							$\overline{}$				
Landslide		ΪZΪ					≣				
Levee Failure		<u>\$</u>					2				
Severe Winter Storm		4					(o)				
Tomado		\$201					Z				
Tsunami		•					\$201.				
Volcano											
Wildfire											
Windstorm											
Other											
Other											
Other											



Legend

§201.4(c)(2)(ii) Assessing Vulnerability by Jurisdiction (see element B)

1. Does the new or updated plan describe the State's vulnerability in terms of the jurisdictions most threatened and most vulnerable to damage and loss associated with

§201.4(c)(2)(ii) Assessing Vulnerability to State Facilities (see element A)
2. Does the new or undated plan december that

Does the new or updated plan describe the types of State owned or operated critical facilities located in the identified hazard areas?

§201.4(c)(2)(iii) Estimating Potential Losses by Jurisdiction (see element A)

Does the new or updated plan present an overview and analysis of the potential losses to the identified vulnerable structures?

§201.4(c)(2)(iii) Estimating Potential Losses of State Facilities (see element A)

4. Does the new or updated plan present an estimate of the potential dollar losses to State owned or operated buildings, infrastructure, and critical facilities in the identified hazard areas?

Thought-provoking questions

- Does the new or updated plan describe the State's vulnerability based on estimates provided in local risk assessments as well as the State risk assessment?
- □ Does the new or updated plan describe the State's vulnerability in terms of the jurisdictions most threatened and most vulnerable to damage and loss associated with hazard event(s)?
- Does the updated plan explain the process used to analyze the information from the local risk assessments, as necessary?

Thought-provoking questions

- Does the updated plan reflect changes in development for jurisdictions in hazard prone areas?
- Does the new or updated plan provide a description of State mitigation goals that guide the selection of mitigation activities?
- Does the updated plan demonstrate that the goals were assessed and either remain valid or have been revised?

Proposed Timeline

- Plan must be approved by FEMA on or before November 1, 2007
- □ Revise and submit to the Governor's Office for adoption (October 1, 2007)
- □ Submit to FEMA for 45 days for review and comment on draft (mid-August 2007)
- Make revisions (second week of August)
- □ Put out for two weeks of review and comment (July/August 2007)
- Final drafts of all parts of the plan should be completed (July 2007)
- □ Revise plan and annexes (January-June 2007)
- Review existing plans and FEMA's changes in criteria, identify necessary changes (December 2006)