



Callaway County, MO Natural Hazard Mitigation Plan

November 30, 2011



Prepared by:
Mid-Missouri Regional Planning Commission
206 East Broadway
P.O. Box 140
Ashland, MO 65010
Phone: (573) 657-9779
Fax: (573) 657-2829

Plan updates available online at www.mmrpc.org



Cover Photo:

Courtesy Fulton Sun, "County delays decision on sandbagging", Don Norfleet, 6/29/11

Table of Contents

Executive Summary	1
Prerequisites	2

Section 1: Introduction and Planning Process

1.1 Purpose	3
1.2 Background	4
1.3 History of the Cooper County Hazard Mitigation Plan	4
1.4 Participating Jurisdictions	6
1.5 The Update Process	9

Section 2: Planning Area Profile and Capabilities

2.1 Geography and Ecology	19
2.2 Climate	25
2.3 History	27
2.4 Natural Hazard History	28
2.5 Demographics	31
2.6 Economy, Industry, and Employment	36
2.7 Transportation and Commuting Patterns	39
2.8 Communities - Inventory of Assets and Capabilities	44
Callaway County	44
Auxvasse	55
Fulton	56
Holts Summit	58
Lake Mykee	60
New Bloomfield	61
2.9 Special Districts - Inventory of Assets and Capabilities	62
School Districts	63
Fulton Public Schools	
New Bloomfield R-III School District	
North Callaway R-I School District	
South Callaway R-II School District	
Fire Protection Districts	69
Callaway Nuclear Power Plant	71
Water Districts	72
Boone County Public Water Supply District #9	
2.10 Policy, Planning, and Program Capabilities	77
Legal Authority and Political Willpower	
Community and Regional Partnerships	
Non-Governmental and Volunteer Organizations	
Media	
2.11 Development Trends	84

Section 3: Risk Assessment

Methodology	85
Identification of Hazards	
Profiling Hazards	
Vulnerability Assessment	
3.1 Dam Failure	192
3.2 Drought	122
3.3 Earthquake	129
3.4 Extreme Heat	136
3.5 Flood	142
National Flood Insurance Program (NFIP)	160
NFIP Repetitive Losses Properties	160
3.6 Levee Failure	162
3.7 Severe Winter Weather	175
3.8 Wildfire	181
3.9 Windstorm, Tornado, and Hailstorm	186
Windstorm	187
Tornado	197
Hailstorm	203

Section 4: Mitigation Strategy

4.1 Hazard Mitigation Goals	210
4.2 Update of Mitigation Actions	211
4.3 Mitigation Goals and Actions	215
Mitigation Actions by Hazard and Jurisdiction	218
Mitigation Actions by Jurisdiction	221
Callaway County Government	222
Auxvasse	223
Fulton	224
Holts Summit	225
Lake Mykee	226
New Bloomfield	227
Boone County PWSD#9	228
Fulton Public Schools	229
New Bloomfield R-III Schools District	230
North Callaway R-I Schools District	231
South Callaway R-II Schools District	232
Mitigation Actions Addressing Compliance with NFIP Requirements	233
4.4 Prioritization, Implementation, and Administration of Mitigation Actions	234
Prioritization of Actions using STAPLEE and Benefit/Cost Reviews	237
Implementation and Administration by Action	239
4.5 Funding Sources	286

Section 5: Plan Maintenance Process

5.1 Plan Monitoring and Evaluation	261
5.2 Plan Updating	263
5.3 Integration of Hazard Mitigation into Other Planning Mechanisms	265
5.4 Public Participation in Plan Maintenance	267

Appendices

Appendix A	Adoption Resolutions
Appendix B	Meeting Agenda Sample
Appendix C	Meeting Sign-In Sheets
Appendix D	Meeting Announcement Sample
Appendix E	Annex J of Missouri State Hazard Analysis: Nuclear Power Plants
Appendix F	Levee Consolidation Resolution for Cedar City and Capital View Drainage Districts 2009
Appendix G	Profile information for non-participating jurisdictions