

# CATEGORIZATION OF THE MITIGATION ACTIONS OF AREA DEVELOPMENT DISTRICTS (ADDs)

Appendix 4-4

*Standard Portion: Mitigation Strategy*

***Commonwealth of Kentucky Enhanced Hazard Mitigation Plan: 2013 Version***

Kentucky Emergency Management (KYEM)

University of Kentucky, Martin School of Public Policy and Administration

Hazard Mitigation Grants Program (UK-HMGP)

*Most of the mitigation actions articulated in the Commonwealth of Kentucky Hazard Mitigation Plan: 2013 Update derived from the identification of each of Kentucky's Area Development District multi-jurisdictional plans' individual mitigation actions and the subsequent categorization of these actions so as to find similarities in actions across all of Kentucky's local hazard mitigation plans. Consequently, one way to look at each one of the Commonwealth of Kentucky's mitigation actions cited here is as an aggregate of the mitigation actions of each of Kentucky's local jurisdictions: With a few exceptions, each of Kentucky's mitigation actions represents one or more of the mitigation actions of its local jurisdictions.*

LOCAL JURISDICTIONS' MITIGATION ACTIONS CATEGORIZED AS:	TOTAL # OF ADDS W/ACTION CATEGORY	AREA DEVELOPMENT DISTRICT <sup>1</sup>																
		BGADD	BRADD	BSADD	BTADD	CVADD	FIVCO	GRADD	GWADD	KIPDA	KRADD	LCADD	LTADD	NKADD	PADD	PeADD	LFUCG	Louisville
<b>EDUCATION</b>																		
Importance of Flood Insurance Campaigning	10	✓	✓		✓		✓	✓	✓	✓			✓		✓	✓		
Hazard Area Locating	11		✓	✓	✓	✓	✓		✓	✓	✓			✓			✓	✓
Damage to Self/Property Reduction	9		✓		✓	✓		✓					✓	✓	✓	✓		✓
Residential Self-Sufficiency Campaigning	9		✓	✓	✓				✓	✓	✓	✓		✓			✓	
General Education Initiatives	7	✓		✓				✓			✓	✓					✓	✓
Evacuation Routes, Procedures Education	6	✓				✓							✓	✓			✓	✓
Early Warning Systems Education	6					✓						✓		✓	✓		✓	✓
"FireWise" Program Participation	3						✓					✓						✓
Specific Educational Programming	5						✓		✓			✓					✓	✓
Floodplain Ordinance Development	1													✓				

<sup>1</sup> The Area Development District Abbreviations Used in This Plan:

- BGADD = Bluegrass Area Development District; LFUCG = Lexington-Fayette Urban County Government, within BGADD region and with its own plan
- BRADD = Barren River Area Development District
- BSADD = Big Sandy Area Development District
- BTADD = Buffalo Trace Area Development District
- CVADD = Cumberland Valley Area Development District
- FIVCO = Five Counties Area Development District (It is a portmanteau.)
- GRADD = Green River Area Development District
- GWADD = Gateway Area Development District
- KIPDA = Kentuckiana (Regional) Planning and Development Agency; Louisville is within the KIPDA region, but has its own plan.
- KRADD = Kentucky River Area Development District
- LCADD = Lake Cumberland Area Development District
- LTADD = Lincoln Trail Area Development District
- NKADD = Northern Kentucky Area Development District
- PADD = (Jackson) Purchase Area Development District
- PeADD = Pennyriple Area Development District

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		BGADD	BRADD	BSADD	BTADD	CVADD	FIVCO	GRADD	GWADD	KIPDA	KRADD	LCADD	LTADD	NKADD	PADD	PeADD	LFUGG	Louisville
<b>FLOODING</b>																		
Debris Removal	9		✓		✓		✓		✓	✓		✓	✓	✓	✓			
Acquisition of Property in Floodplains	8				✓	✓	✓				✓				✓	✓	✓	✓
Culvert Construction/Repair	5	✓		✓		✓					✓				✓		✓	
Drainage/Retention	4					✓			✓						✓	✓	✓	
Vegetation/Wetlands Management	4	✓				✓			✓						✓		✓	
Storm Sewers	5					✓					✓				✓		✓	✓
Flood Gages	3	✓				✓												✓
Elevation of Structures	3								✓						✓	✓		
Openings in Foundation Walls to Allow Flow of Water	2														✓	✓		
Road Slide/Breaks Repair	2			✓							✓							
Creek Bank Maintenance	1	✓																
Erosion Monitoring	2					✓												✓
Levee/Flood Wall Construction	2															✓		✓ <sup>2</sup>
Stream Realignment	1														✓			
SRL Structure Elimination	2										✓							✓
Bridge Replacement	1										✓							

<sup>2</sup> The City of Louisville, i.e. Louisville Metropolitan Sewer District (Louisville MSD), focuses a significant number of its mitigation actions on dams; more so than is implied with this simple checkmark and action categorization. See **Appendix 4-5**.

LOCAL JURISDICTIONS' MITIGATION ACTIONS CATEGORIZED AS:	TOTAL # OF ADDS w/ACTION CATEGORY	AREA DEVELOPMENT DISTRICT <sup>1</sup>																
		BGADD	BRADD	BSADD	BTADD	CVADD	FIVCO	GRADD	GWADD	KIPDA	KRADD	LCADD	LTADD	NKADD	PADD	PeADD	LFUGG	Louisville
<i>IMPROVED INFORMATION</i>																		
GIS Database of Critical Facilities Development	10		✓		✓		✓		✓	✓		✓	✓	✓			✓	✓
GIS Database of Repetitive-Loss Structure Development	7		✓		✓				✓	✓		✓					✓	✓
FIRM Updates	7		✓			✓	✓					✓	✓				✓	✓
At-Risk Bridge Identification, Mapping	5		✓		✓				✓	✓		✓						
Recovery Shelter Evaluation	2					✓									✓			
Earthquake Studies	2						✓									✓		
Hazard Grant Opportunity Identification	3							✓					✓				✓	
At-Risk Structure Identification	4						✓					✓					✓	✓
NCDC Data Obtainment	1												✓					
County Sources for Data Identification	3												✓				✓	✓
Local Service Providers Listing	1												✓					
Housing Identification	3					✓											✓	✓
Sinkhole Location Mapping	2											✓						✓

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		BGADD	BRADD	BSADD	BTADD	CVADD	FIVCO	GRADD	GWADD	KIPDA	KRADD	LCADD	LTADD	NKADD	PADD	PeADD	LFUGG	Louisville
<i>PHYSICAL IMPROVEMENTS</i>																		
Generator Installation	10		✓		✓		✓		✓	✓				✓	✓	✓	✓	✓
Critical Facilities Outside of Hazard Area Identification	8		✓		✓		✓	✓	✓	✓				✓				✓
Safe Room Construction	8	✓				✓			✓			✓	✓			✓	✓	✓
Critical Facility/Residential Relocation	5		✓	✓	✓						✓				✓			
Utilities Burial	3													✓	✓	✓		
Purchasing of Emergency Equipment	4	✓							✓				✓				✓	
Purchasing of Vehicles for Road-Clearing	2					✓			✓									
Removal of, Regulating, or Retrofit of Buildings in Hazard-Prone Areas	3	✓							✓								✓	
Right-of-Way Trimming	2					✓												✓
Hazard Area Management	1					✓												
Water Infrastructure Replacement	2														✓		✓	
Emergency Relief Warehouse Establishment	1						✓											
Drought-Proof Security Link Development	1						✓											
Lifeline Utility Maintenance	2							✓									✓	

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		BGADD	BRADD	BSADD	BTADD	CVADD	FIVCO	GRADD	GWADD	KIPDA	KRADD	LCADD	LTADD	NKADD	PADD	PeADD	LFUGG	Louisville
<b>COMMUNICATIONS</b>																		
NOAA "All Hazards" Radio Acquisition	10		✓		✓	✓	✓		✓	✓		✓		✓		✓		✓
Communications General Upgrades	9	✓	✓		✓			✓		✓	✓			✓			✓	✓
Other Early Warning System Development	7			✓		✓			✓				✓			✓	✓	✓
Siren Installation	5					✓					✓			✓			✓	✓
<b>PLANNING</b>																		
Volunteer Recruitment, Training	7	✓	✓				✓	✓					✓	✓				✓
Debris Removal Coordination	7				✓		✓		✓	✓			✓	✓				✓
Storm-water Management	6	✓	✓		✓		✓		✓					✓				
Interagency Communication Improvement	7			✓			✓	✓	✓		✓	✓						✓
Information System, Infrastructure Protection	5		✓		✓		✓							✓				✓
Evacuation Plan, Policies, Procedures Development	4		✓						✓			✓	✓					
At-Risk Critical Facility Identification	5	✓				✓									✓		✓	✓
Hazard Mitigation Planning Committee Formalization	3			✓							✓							✓
Severe Repetitive-Loss Structure Inclusion in Planning	2			✓							✓							
Floodplain Management Procedure Development	3										✓	✓						✓
Water Supply Maintenance Plan	2	✓										✓						
EOC Staffing	1					✓												
Special Needs Populations	2					✓												✓

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Assistance																		
Storm-Spotter Cadre Training, Equipping, and Maintenance	1														✓			
Repetitive-Loss Property Monitoring	3														✓		✓	✓
Database of Recurring Flood Hazard Maintenance	3						✓										✓	✓
"Amnesty" Program for Hazardous Materials Implementation	1														✓			
Wellhead Protection Plan Development, Updating	1						✓											
Supplemental Plan (for County EOP) Development	3						✓										✓	✓
Regional Agreement Allowing Use of Inventoried Equipment Establishment	1												✓					
Delivery of Emergency Services Assurances	1	✓																
Land-Use Plan Development	3							✓									✓	✓
<b>ENFORCEMENT</b>																		
NFIP Flood Ordinance Enforcement	12		✓	✓	✓	✓	✓		✓	✓	✓		✓	✓	✓			✓
Zoning and Land-Use Ordinance Enforcement	11	✓	✓		✓	✓	✓		✓			✓	✓	✓			✓	✓
Building Code Standards Enforcement	9		✓				✓	✓	✓				✓	✓	✓		✓	✓
Building Code Standards Adoptions	8	✓	✓		✓	✓			✓					✓			✓	✓