

## Previous Actions from 2009 Polk County Multi-jurisdictional Local Hazard Mitigation Plan

Action ID	Mitigation Project/Activity Description (Measures that have been identified in the Local Hazard Mitigation Plan, when doing updated plans)	2013 Action Status
Alleman 1	Update and replace tornado warning system	
Alleman 2	Install box culvert Northeast 134 Ave	
Alleman 3	Retention pond at Northwest 134	
Alleman 4	Drainage improvement to school grounds	
Alleman 5	Conduct Needs analysis and feasibility study for safe rooms at Central Elementary and North Polk Junior/Senior High School	
Altoona 1	New roof for fire station with flat roof	
Altoona 2	New sewer system and/or detention pond for annexed developing lands	
Altoona 3	Installation of FEMA compliant safe rooms in four elementary schools	
Altoona 4	Inventory of hazardous materials at CP-OP sites	
Altoona 5	Comply with NFIP by adopting/enforcing floodplain management reqs., incl. regulating/monitoring new construction and substantial improvements in the SFHA; and participating in floodplain identification and mapping, including local requests for map updates (note 12)	
Ankeny 1	Construct safe room(s) at New Ankeny High	
Ankeny 2	Construct safe room(s) at New Elementary in Prairie Trail	
Ankeny 3	Construct safe room(s) at existing Ankeny High in Prairie Trail	
Ankeny 4	Construct safe room(s) at Mel Ray Mobile Park Home	
Ankeny 5	Construct safe room(s) at Autumn Ridge Mobile Home Park	
Ankeny 6	Sanitary sewer capacity improvements southeast area relief sewer	
Ankeny 7	Sanitary sewer capacity improvements Southeast 2nd Avenue trunk interconnect	
Ankeny 8	Sanitary sewer capacity improvements Northeast 5th Street relief sewer	
Ankeny 9	Sanitary sewer capacity improvements West Outfall Relief sewer	
Ankeny 10	Sanitary sewer capacity improvements West Outfall diversion	
Ankeny 11	Storm sewer/channel improvements Southeast 4th Street and Wanda storm sewer	
Ankeny 12	Storm sewer/channel improvements North Creek Stream channel improvements	
Ankeny 13	Storm sewer/channel improvements Tributary "A" Stream and Southeast Tributary to Four Mile Creek channel improvements	
Ankeny 14	Storm Sewer/Channel Improvements Saylor Creek Lift Station Flood Wall	
Ankeny 15	Storm sewer/channel improvements Westwinds Ravin bank stabilization	
Ankeny 16	Storm sewer/channel improvements Four Mile Creek bank stabilization	
Ankeny 17	Storm sewer/channel improvements Packard Pond improvements	
Ankeny 18	Comply with NFIP by adopting/enforcing floodplain management reqs., incl. regulating/monitoring new construction and substantial improvements in the SFHA; and participating in floodplain identification and mapping, including local requests for map updates.	
Bondurant 1	Construct safe room at Anderson Elementary	
Bondurant 2	Construct safe room Bondurant Farrar Junior/Senior High School	
Bondurant 3	Construct safe room at new Bondurant Farrar High School	
Bondurant 4	Generators for sewer lift stations (Grant, Mallard, COVE, 32 <sup>nd</sup> Street, 2 <sup>nd</sup> Street, Lagoon-Main Lift Station)	
Bondurant 5	Construct safe room at Kinney Park	
Bondurant 6	Generator at public safety building	
Bondurant 7	Generator for City Hall phones	
Bondurant 8	Comply with NFIP by adopting/ enforcing floodplain management reqs., incl. regulating/monitoring new construction and substantial improvements in the SFHA; and participating in floodplain identification and mapping, including local requests for map updates.	
Clive 1	Construction of three regional storm water detention facilities at: 100 Street and Indian Hills; 156 <sup>th</sup> Street and Hickman Road; Douglas Road and Berkshire Road	
Clive 2	Acquisition of property along Walnut Creek as well as Little Walnut Creek to reduce repetitive loss potential	
Clive 3	Reconstruction of railroad trestle to mitigate back water conditions into City of Clive	
Clive 4	Inundation flood modeling for upstream of Walnut Creek	
Clive 5	Construction of Hesco flood barriers to protect Pumping Station at 7820 University Boulevard	
Clive 6	Comply with NFIP by adopting/enforcing floodplain management reqs., incl. regulating/monitoring new construction and substantial improvements in the SFHA; and participating in floodplain identification and mapping, including local requests for map updates.	
Des Moines 1	Citywide improvements of storm water drainage	
Des Moines 2	Inventory, evaluation, and repair of flood gates located in river levees throughout the city	

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Des Moines 3	Repairs or replacement of storm sewer lines and intakes in the city's five cemeteries	
Des Moines 4	Addition of fire alarm system to each of the fire stations and remodeling of fire stations to accommodate a second means of egress from sleeping quarters	
Des Moines 5	Watershed needs study	
Des Moines 6	Identification of ground stability hazard areas	
Des Moines 7	Feasibility study to harden community shelters	
Des Moines 8	Construct safe room(s) pending results of community shelter study	
Des Moines 9	Remove mitigated properties from repetitive loss property list	
Des Moines 10	Pursue remedial flood mitigation actions associated with the Southeast Des Moines (SEDM) Levee, US 65	
Des Moines 11	Buyout of 9 residential properties and four adjacent vacant lot RL properties in the Four Mile Creek Area	
Des Moines 12	Install Interior Drainage Pumping System for Existing Levee Protected Area at Water Street/Court Ave. Pumping Station	
Des Moines 13	Replacement Phase 17 to Eliminate Sewer Overflows in Large Rains at Waste Water Main	
Des Moines 14	Construction of Basin South of Downtown to Prevent Interior Flood Damage	
Des Moines 15	Replacement of SW Area Diversion Facility Pump Station Phase 22 to Mitigate Overflow of Sewer in High Water Conditions	
Des Moines 16	Construction of Additional Storm Sewer for Lower Union Sewer Separation Station	
Des Moines 17	Construction of Additional Storm Sewer for 33 <sup>rd</sup> St. Sewer Separation Station	
Des Moines 18	Comply with NFIP by adopting/ enforcing floodplain management reqs., incl. regulating/ monitoring new construction and substantial improvements in the SFHA; and participating in floodplain identification and mapping, including local requests for map updates.	
Elkhart 1	Construct safe room at Elkhart Memorial Park	
Elkhart 2	Construct safe room at fire station	
Elkhart 3	Generator at fire station	
Elkhart 4	Generator at city water plant	
Elkhart 5	Construct safe room at Elkhart Community Center	
Grimes 1	Construct safe room at sports complex	
Grimes 2	Generators at City Hall	
Grimes 3	Generator at fire station	
Grimes 4	Warning siren northeast and southwest areas of city	
Grimes 5	Elevate bridge on North James Street, north of wastewater treatment plant	
Grimes 6	Conduct needs analysis on sheltering for Dallas Center/ Grimes High School, South Prairie, North Ridge Elementary	
Grimes 7	Comply with NFIP by adopting/ enforcing floodplain management reqs., incl. regulating/ monitoring new construction and substantial improvements in the SFHA; and participating in floodplain identification and mapping, including local requests for map updates.	
Johnston 1	Improve communications to include list serve, mass telephone communications, and radio cable	
Johnston 2	Maintain contact with Pioneer/DuPont regarding potential hazards	
Johnston 3	Generator at City Hall/police station	
Johnston 4	Generator at fire station	
Johnston 5	Investigate repetitive loss property mitigation options regarding recently annexed area(s)	
Johnston 6	Elevate northeast 62 Avenue between South Drive and Crescent Chase	
Johnston 7	Continue to work with Iowa DOT to eliminate flooding at Northwest Beaver Drive (water impounded since the 2008 flood may be affecting the water table and may be polluted)	
Johnston 8	Continue conversation with USACE to bridge Northeast 78 <sup>th</sup> near Saylorville Emergency Spillway	
Johnston 9	Conduct flood impact study on Merle Hay and Beaver Creek area	
Johnston 10	Comply with NFIP by adopting/ enforcing floodplain management reqs., incl. regulating/ monitoring new construction and substantial improvements in the SFHA; and participating in floodplain identification and mapping, including local requests for map updates.	
Mitchellville 1	Improve ditch and culvert drainage in northwest part of town	

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Mitchellville 2	Backup power generator for police/fire station	
Mitchellville 3	New roof for police/fire station	
Mitchellville 4	Re-wiring the electrical system for police/fire station	
Mitchellville 5	New siren on east edge of town	
Pleasant Hill 1	Generators for lift stations: 6400 Southeast 6 <sup>th</sup> Street; Northeast 80 <sup>th</sup> Street; Vandalia Road; Harbor Lake Drive, and Southeast 60 <sup>th</sup> Street	
Pleasant Hill 2	Flood mitigation planning elevation of southeast connector so water passes underneath – current road is in flood zone	
Pleasant Hill 3	Creation of storm water utility (with taxing and bonding authority)	
Pleasant Hill 4	Relocation of and construction of new fire station	
Pleasant Hill 5	Relocation of gas pumps for city vehicles which are in flood zone	
Pleasant Hill 6	Safe room incorporation into new city facilities	
Pleasant Hill 7	Regional detention facility at northeast 80 <sup>th</sup> Street	
Pleasant Hill 8	Enhance combined development of Des Moines Area Regional GIS Partnership	
Pleasant Hill 9	Chain link fence around city lift stations and public works to mitigate floating debris	
Pleasant Hill 10	Construction of new culvert at Little Four Mile Creek Drive 4400 block	
Pleasant Hill 11	Construction of new culvert at 1300 Sloans Way	
Pleasant Hill 12	Pursue remedial flood mitigation actions associated with the South East Des Moines (SEDM) Levee, US 65	
Pleasant Hill 13	Back-up power generator for City Hall	
Pleasant Hill 14	Back-up power generator for Youth Center (emergency shelter for trailer court)	
Pleasant Hill 15	Comply with NFIP by adopting/ enforcing floodplain management reqs., incl. regulating/ monitoring new construction and substantial improvements in the SFHA; and participating in floodplain identification and mapping, including local requests for map updates.	
Polk City 1	Safe Room for police department/fire department/ community center	
Polk City 2	Safe room for sports complex	
Polk City 3	Structural enhancements to Mile Long Bridge	
Polk City 4	Identify the diversion channel, Big Creek Dam, and Barrier Dam as critical infrastructure	
Polk City 5	Raising levee elevation for sewer treatment facility on East Broadway Street	
Polk City 6	Expanded pumping capacity for sewer treatment facility pumping to Saylorville Reservoir	
Polk City 7	Raise wellheads and associated electrical for Polk City Well Field on North 3 <sup>rd</sup> Street and East Northside Drive	
Polk City 8	Critical infrastructure recognition for two upstream Saylorville Reservoir dams	
Polk County 1	Elevation of driving surface and creation of drainage system for Northwest 66 <sup>th</sup> Avenue Over Des Moines River	
Polk County 2	Backup power generator at public works facility	
Polk County 3	Building storage facility for salt to mitigate road icing	
Polk County 4	Upgrades of various culverts on county roads according to DPW flood map	
Polk County 5	Construction of an emergency operations center	
Polk County 6	Purchase temporary flood protection (Hesco Barriers) for River Place county office building	
Polk County 7	Construct Extension of MLK Boulevard from Euclid Avenue to I-80 to facilitate new river crossing for extreme flood events	
Polk County 8	Construct of Additional Storm Water Detention Basins and Channel Improvements to Polk County's "Hamilton Drain" Drainage District	
Polk County 9	Construct Martin Luther King Parkway extension from Euclid Ave. to I-80 with new Interchange on I-35/80	

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Polk County 10	Comply with NFIP by adopting/ enforcing floodplain management reqs., incl. regulating/ monitoring new construction and substantial improvements in the SFHA; and participating in floodplain identification and mapping, including local requests for map updates.	
Runnells 1	Wiring for generator community center at 108 Brown Street	
Runnells 2	Backup power generator for community center at 108 Brown Street	
Runnells 3	Document electronic backup for city critical documents	
Runnells 4	New roof on fire station	
Runnells 5	Development of new lagoon at sewer station to mitigate overflow in high rains	
Urbandale 1	Replacement of an engine pumper/ladder trucks and two other units	
Urbandale 2	Installation of a 36" storm sewer from Roseland Drive to Rocklyn Drive	
Urbandale 3	Walker Johnson Park Creek bank stabilization	
Urbandale 4	Generator at police station	
Urbandale 5	Elevated bridge at Meredith Drive and Walnut Creek	
Urbandale 6	Elevated bridge at 156 <sup>th</sup> and Walnut Creek	
Urbandale 7	New Bridge Aurora Avenue at Walnut Creek	
Urbandale 8	Install residential check valves for sanitary sewer at 4100 block of 67 <sup>th</sup> Street, 71 <sup>st</sup> , and Meredith	
Urbandale 9	Install new sewer on 66 <sup>th</sup> Street from Madison Avenue to Airline Avenue	
Urbandale 10	Replace one warning sirens at City Hall	
Urbandale 11	Upgrade two warning sirens to monitor siren status at 86 <sup>th</sup> and Hickman Rd and Douglas Ave. and Patricia Drive	
Urbandale 12	Comply with NFIP by adopting/ enforcing floodplain management reqs., incl. regulating/ monitoring new construction and substantial improvements in the SFHA; and participating in floodplain identification and mapping, including local requests for map updates.	
West Des Moines 1	Backup power generators replacements: public works facility; Fire Station 22; Fire Station 21; law enforcement center	
West Des Moines 2	New backup power generators for shelters at: Valley High School; Valley Middle School; Dowling High School	
West Des Moines 3	Extending levee system at Raccoon River Park to Westerly City Boundaries	
West Des Moines 4	Elevation of I-35 Bridge over Raccoon River and Highway 28 Bridge over Raccoon River to mitigate washout	
West Des Moines 5	Pursue remedial flood mitigation actions associated with the Southeast Des Moines (SEDM) Levee, US 65	
West Des Moines 6	Walnut Creek Bank stabilization project north of Hoak Road	
West Des Moines 7	Lining of public sewers in the Valley Junction Area to mitigate infiltration at the Main Pump-2 Phases	
West Des Moines 8	Lining of public sewers in the Fairmeadows Creek Area to mitigate infiltration of the main pump	
West Des Moines 9	Construct safe room at City Hall for IT assets and infrastructure	
West Des Moines 10	Comply with NFIP by adopting/ enforcing floodplain management reqs., incl. regulating/ monitoring new construction and substantial improvements in the SFHA; and participating in floodplain identification and mapping, including local requests for map updates.	
Windsor 1	Install residential check valves at Washington Avenue and 70 <sup>th</sup> Street	
Windsor 2	replace storm sewer intakes	
Windsor 3	Replace/upgrade City Hall generator	
Windsor 4	Generator at DPW	
Windsor 5	Harden City Hall to meet FEMA 361 Community Shelter Specifications	
Windsor 6	Identify potential future shelter sites	
Windsor 7	Comply with NFIP by adopting/ enforcing floodplain management reqs., incl. regulating/ monitoring new construction and substantial improvements in the SFHA; and participating in floodplain identification and mapping, including local requests for map updates.	