



2 PLANNING AREA PROFILE AND CAPABILITIES

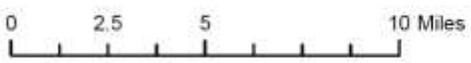
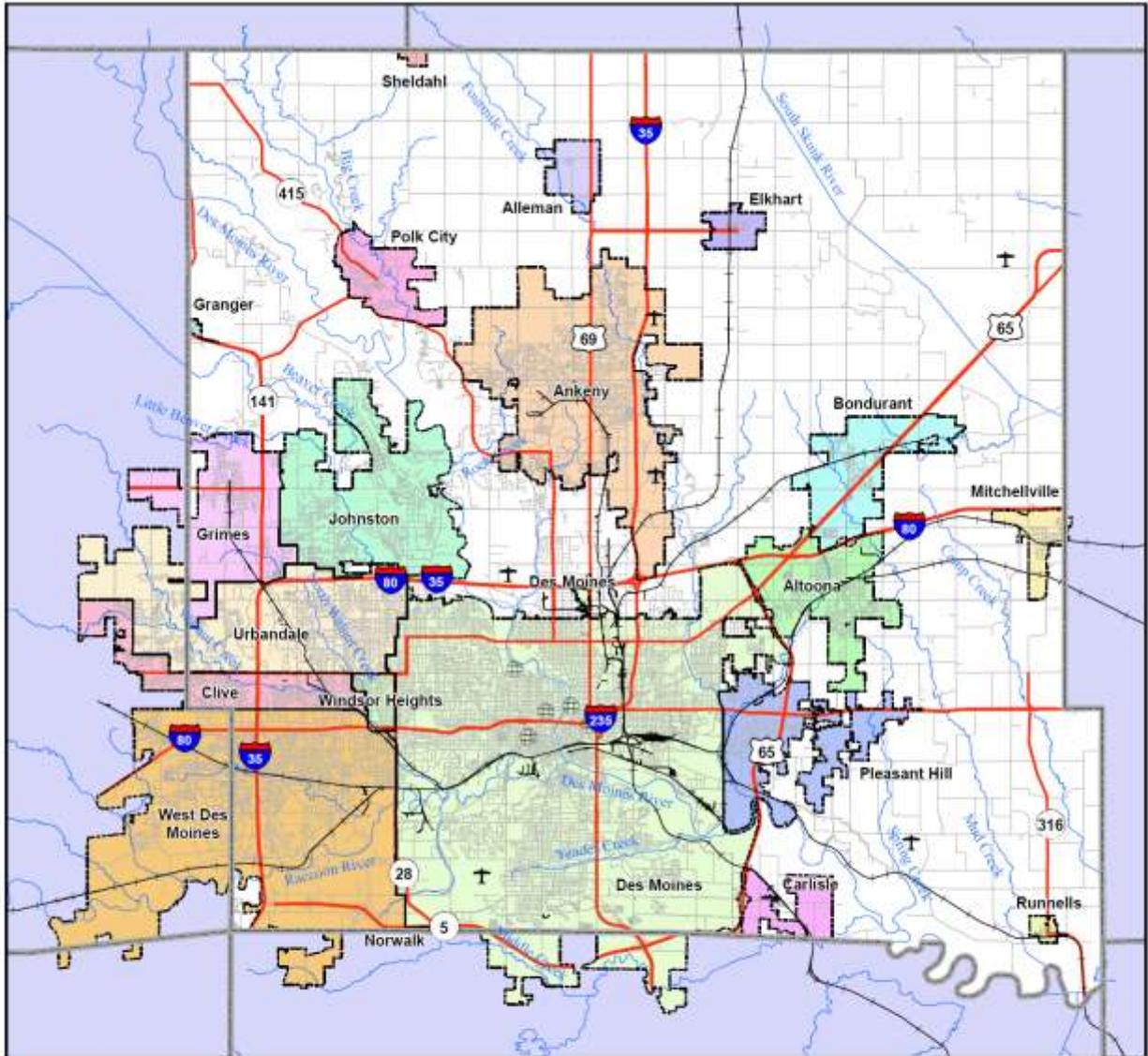
This chapter provides a general profile of Polk County followed by individual sections for each participating jurisdiction. The sections for each jurisdiction provide an overview profile as well as details on existing capabilities, plans, and programs that enhance their ability to implement mitigation strategies.

2.1 Polk County Planning Area Profile

Figure 2.1 provides a map of the Polk County planning area. The planning area boundaries include all portions (including portions in adjacent counties) of the city limits of the following incorporated cities: Alleman, Altoona, Ankeny, Bondurant, Clive, Des Moines, Elkhart, Grimes, Johnston, Mitchellville, Pleasant Hill, Polk City, Runnells, Urbandale, West Des Moines and Windsor Heights. The planning area also includes the Polk County portion only of the following multi-county cities: Carlisle, Granger, Norwalk and Sheldahl.

As of 2010, the total Polk County population is 430,640, which has grown 15 percent since 2000. The population growth rate is much higher than the state average rate of 4.10 and is also higher than the national average rate of 9.71 percent. Polk County median household income is \$56,094 in 2006-2010 and has grown by 21.64 percent since 2000. The income growth rate is about the same as the state average rate of 21.52% and is higher than the national average rate of 19.17%. Polk county median house value is \$149,700 in 2006-2010 and has grown by 45.20% since 2000. The house value growth rate is lower than the state average rate of 49.58% and is lower than the national average rate of 50.42%.

Figure 2.1. Polk County Planning Area



Map Compiled: 10/2013
 Intended for planning purposes only
 Source: USDA, Des Moines Area Regional GIS Partnership

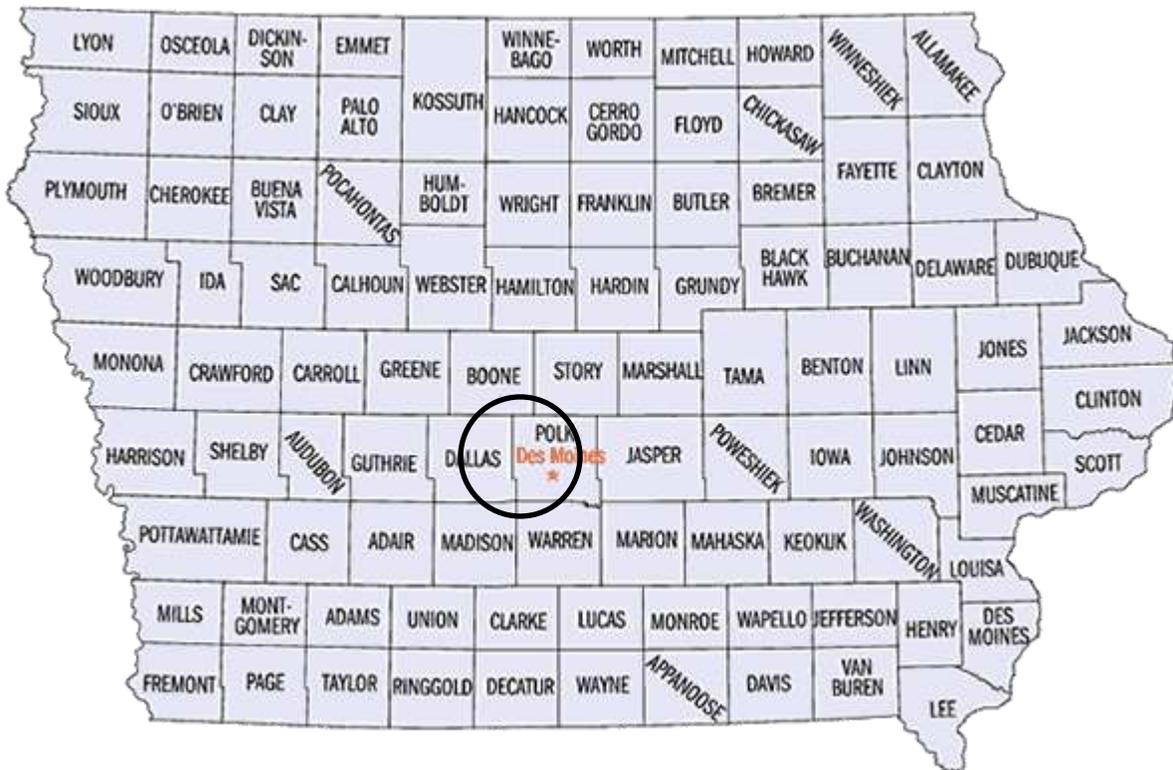


Highways	Railroads
Local Roads	Airports
Streams	Helipads

2.1.1 Geography, Geology and Topography

Polk County, Iowa is home to Iowa's capital city, Des Moines and is located just a few miles southwest of the center of the State. Polk County has 573.79 square miles of land area and 17.74 square miles of water area.

Figure 2.2. Location of Polk County in the State of Iowa



Source: 2009 Hazard Mitigation Plan

Much of Polk County is still mostly rural with the primary land use being agriculture. However, the Des Moines metro area is continuing to move northward and eastward into the rest of the County at an increasing rate, leading to more urban growth in the County. This has resulted in the development of many rural acreage properties and several subdivisions in previously rural areas. In addition, growth is occurring in other cities in Polk County that are outside of the Des Moines metropolitan area. Development along the I-35 north corridor is also changing the rural character of that portion of the county.

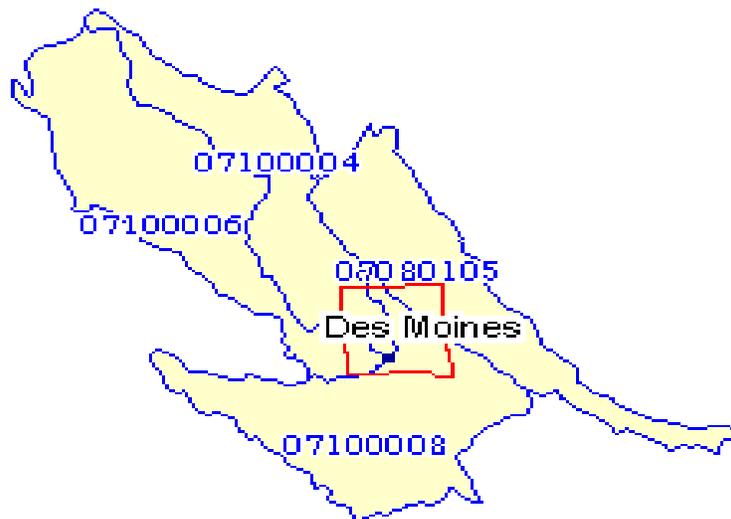
Polk County crosses 4 watersheds. A list of these watersheds with the cities contained within each is provided below:

- 1) 07080105 South Skunk
 - Elkhart
 - Mitchellville
 - Unincorporated Polk County
- 2) 07100006 North Raccoon

-
- West Des Moines
 - Urbandale
 - Clive
 - Windsor Heights
 - Grimes
 - Granger
 - Polk City
 - Alleman
 - Sheldahl
 - Unincorporated Polk County
- 3) 07100004 Middle Des Moines
- Des Moines
 - Johnston
 - Unincorporated Polk County
- 4) 07100008 Lake Red Rock
- Ankeny
 - Altoona
 - Carlisle
 - Bondurant
 - Pleasant Hill
 - Runnells
 - Unincorporated Polk County

Figure 2.3 shows the four watersheds in Polk County.

Figure 2.3. Polk County, Iowa Watersheds (Polk County is red square)



The most extensive geological deposits in Polk County are those of glacial origin. The most recent of these was deposited by the Cary substage of the Wisconsin glacier about 12,000 to 13,500 years ago. This glacier deposited calcareous, loamy material 30 to 60 feet thick over the northern four-fifths of the county. Two other glaciers, the Kansan and Nebraskan, covered all of Polk County much earlier in the Pleistocene period. The till deposited by these glaciers is exposed in the southern part of the county. It can be found on the steeper side slopes but has been covered on the upland divides by a deposit of loess. The loess deposits are found in the same areas as the Kansan and Nebraskan till but most commonly on the rounded upland divides rather than the steep side slopes. The loess deposits are silty and are free of sand and gravel. They were deposited by the wind. In contrast, the glacial material contains many sand and gravel particles and some large boulders.

Alluvial materials are found in general. These are water-deposited materials that range from gravel to silty clay in texture. Some of the material was glacial outwash deposited as the glacial ice was melting. In other areas the material was deposited by overflowing streams.

The entire county is underlain by bedrock of the Des Moines group, a shale formation of the Pennsylvanian system. This shale bedrock contains some thin seams of coal and some interbedded limestone or sandstone. Most of the bedrock is buried beneath several feet of glacial till, loess, or stream deposited material. The unweathered bedrock is predominately acid, yellow or gray, silty or clayey shale. The bedrock formations are exposed on a few slopes in the southern part of the county.

The uplands in the northern four-fifths of the county are, for the most part, nearly level to undulating, though there are some steeper areas along the major streams. This part of the county was covered by glacial material that has, in most places, been altered very little since the time of glaciation. The southern part of the county is much rougher and hillier than the northern part, and the glacial material is older and has been cut up extensively by streams. The river valleys are 1 to 3 miles wide, and there are many tributary streams.

2.1.2 Climate

The climate of Polk County typifies central Iowa with wide seasonal fluctuations in temperature and precipitation. The average annual temperature is 48 degrees Fahrenheit (F.) with an average high in July of 86 degrees F. and average low in January of 11 degrees F. The annual precipitation averages 35 inches. Of this, 63 percent or 22 inches fall during the growing season from April to September. An average of 31 inches of snowfall occurs each winter (National Weather Service).

2.1.3 Population/Demographics

According to the 2010 U.S. Census, the population of Polk County was 430,640, up nearly 15 percent from the 2000 population of 374,601. **Table 2.1** provides the populations for each city and the unincorporated county for 2000 and 2010 with the number and percent change. The unincorporated areas population was determined by subtracting the populations of the

incorporated areas from the overall county population. As a result, the unincorporated county populations are not completely accurate since portions of some of the incorporated areas overlap into adjacent counties.

Table 2.1. Polk County Population 2000-2010 by City

Jurisdiction	2000 Population	2010 Population	2000-2010 # Change	2000-2010 % Change
Alleman	439	432	-7	-1.59%
Altoona	10,345	14,541	4,196	40.56%
Ankeny	27,117	45,582	18,465	68.09%
Bondurant	1,846	3,860	2,014	109.10%
Carlisle*	3,497	3,876	379	10.84%
Clive*	12,855	15,447	2,592	20.16%
Des Moines*	198,682	204,220	5,538	2.79%
Elkhart	362	683	321	88.67%
Granger*	583	1,244	661	113.38%
Grimes*	5,098	8,246	3,148	61.75%
Johnston	8,649	17,278	8,629	99.77%
Mitchellville*	1,715	2,254	539	31.43%
Norwalk*	6,884	8,941	2,057	29.88%
Pleasant Hill	5,070	8,785	3,715	73.27%
Polk City	2,344	3,418	1,074	45.82%
Runnells	352	507	155	44.03%
Sheldahl*	336	319	-17	-5.06%
Urbandale*	29,072	39,463	10,391	35.74%
West Des Moines *	46,403	56,609	10,206	21.99%
Windsor Heights	4,805	4,860	55	1.14%
Polk County Total	374,601	430,640	56,039	14.96%

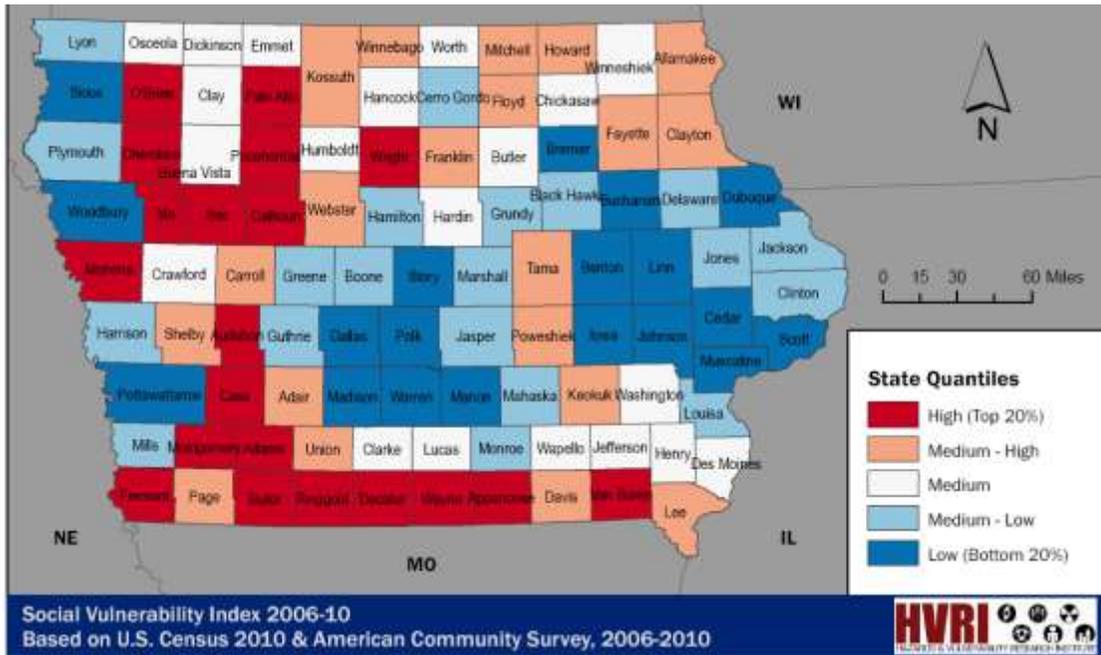
Source: U.S. Bureau of the Census, Decennial Census, *population includes the portions of these cities in adjacent counties

According to the 2010 census, 7.6 percent of the population is under age 5 and 10.8 percent of the population is over age 65 in Polk County. There were 34,736 households with an average household size of 2.34 people.

The Hazards and Vulnerability Research Institute at the University of South Carolina developed the Social Vulnerability Index (SoVI ®) to evaluate and rank the ability to respond to, cope with, recover from, and adapt to disasters. The index synthesizes 30 socioeconomic variables, which the research literature suggests contribute to reduction in a community's ability to prepare for, respond to, and recover from hazards. SoVI ® data sources include primarily those from the United States Census Bureau.

Figure 2.4 shows that Polk County has a low Social Vulnerability Index of -3.77. The low index indicates that Polk County is more able to cope and recover from disasters than counties with a higher index.

Figure 2.4. County Comparison Within the State for Social Vulnerability Index, 2006-2010



Source: Hazards and Vulnerability Research Institute, http://webra.cas.sc.edu/hvri/products/sovi2010_img/PDF/Iowa_0610.pdf

Table 2.2 provides additional demographic and economic indicators for Polk County. The Polk County values are for all of Polk County, including the incorporated cities.

Table 2.2. Unemployment, Poverty, Education, and Language Percentage Demographics, Polk County, Iowa

Jurisdiction	Total in Labor Force	Percent of Population Unemployed	Percent of Families Below the Poverty Level	Percentage of Population (High School graduate)	Percentage of Population (Bachelor's degree or higher)	Percentage of population (spoken language other than English)
Polk County	242,304	5.8	7.4	26.8	33.8	12
Alleman	332	2.1	3.1	16.2	37.5	1.3
Altoona	8,263	3.6	4	26.4	32.6	3.8
Ankeny	26,090	4.4	2.1	17.7	47.9	4.9
Bondurant	1,878	6.1	0	24.5	31.2	2.3
Carlisle	2,136	6.2	5.1	36.7	21.6	1.3
Clive	8,860	1.8	3.3	15.1	54.8	14.5
Des Moines	112,082	8	12.4	32.2	24	16.4
Elkhart	259	2.7	3.7	24.7	19.8	1.8
Granger	790	3.2	9.1	27.8	26.7	4.9
Grimes	4,697	2.7	2.8	18.9	37.9	5.3
Johnston	9,252	4.3	4.3	19	51.4	8.5
Mitchellville	973	7.3	14.2	44.5	12	2.3
Norwalk	5,208	1.3	4	23.4	32.7	2.2
Pleasant	5,086	6.1	3	33.1	29.6	5.4
Polk City	1,948	3	0.4	19.6	41.3	4.5
Runnells	265	5.7	3	48.4	4.5	0
Sheldahl	139	11.5	1.8	55.3	11.8	3.1
Urbandale	22,852	3.2	2.5	19.5	48.1	10.8
West Des Moines	33,520	4.7	4.7	17	50.1	12.9
Windsor Heights	2,910	4.2	2.4	20.8	45.6	6.2

Source: U.S. Census, 2011 American Community Survey, 5-year Estimates.

2.1.4 History

Captain James Allen and his company arrived at the present site of Des Moines in May of 1843. Captain Allen proposed the name of Fort Raccoon originally; but settled with the name Fort Des Moines at the suggestion of General Winfield Scott. The term "des moines" refers to the principal river between the Mississippi and Missouri Rivers. Soon after arrival, a fort was erected consisting of 25 buildings, which included stables and a barracks. A trading post was built across the river by Indian traders.

The towns of Brooklyn, Polk City, Dudley, and Fort Des Moines competed for the county seat. They all sent representatives to the Iowa Territorial Legislature in 1845 to lobby the legislators to establish the boundaries of Polk County, named after James K. Polk, the 11th president of the United States.

On January 13, 1845 the Legislature passed an Act establishing the boundaries of Polk County. The delegation from Brooklyn returned home confident that they had captured the county seat.

The delegation from Fort Des Moines had other plans, however. Four days later they succeeded in securing an amendment to a supplementary bill that altered the boundaries of Polk County once more. This was done so that Fort Des Moines would be nearer to the geographical center than Brooklyn. It was accomplished by "borrowing" 144 square miles of territory from Warren County.

Three commissioners were appointed to establish the county seat. Since Fort Des Moines was centrally located, it was chosen as the county seat on May 25, 1846. The town of Brooklyn is now part of Des Moines.

In 1849, when Warren County was organized, the residents of Warren County ordered the land "borrowed" by Polk County returned. In 1853 the Legislature did just that, except for a few sections in Camp Township.

2.1.5 Occupations

Table 2.3 provides occupation statistics for the incorporated cities and the county as a whole.

Table 2.3. Occupation Statistics, Polk County, Iowa

Place	Management, Business, Science, and Arts Occupations	Service Occupations	Sales and Office Occupations	Natural Resources, Construction, and Maintenance Occupations	Production, Transportation, and Material Moving Occupations
Polk County	38.5%	16.0%	27.8%	7.3%	10.3%
Alleman	41.5%	16.0%	22.8%	13.5%	6.2%
Altoona	42.7%	12.2%	29.6%	7.0%	8.4%
Ankeny	49.1%	11.3%	26.4%	5.8%	7.5%
Bondurant	37.2%	17.6%	31.4%	5.0%	8.9%
Carlisle	33.4%	10.2%	40.0%	8.5%	7.9%
Clive	51.6%	14.8%	25.5%	4.4%	3.7%
Des Moines	30.1%	18.6%	28.5%	9.1%	13.7%
Elkhart	29.0%	8.7%	29.0%	22.6%	10.7%
Granger	39.2%	14.4%	26.3%	9.4%	10.7%
Grimes	42.4%	16.4%	28.2%	5.5%	7.6%
Johnston	51.6%	12.2%	25.0%	4.2%	7.1%
Mitchellville	30.2%	16.9%	23.1%	13.5%	16.2%
Norwalk	40.4%	15.1%	29.8%	9.0%	5.6%
Pleasant	37.5%	17.7%	29.4%	7.6%	7.8%
Polk City	51.3%	7.4%	25.1%	5.1%	11.1%
Runnells	18.0%	19.6%	24.0%	27.2%	11.2%
Sheldahl	19.5%	8.1%	53.7%	14.6%	4.1%
Urbandale	50.0%	11.4%	29.1%	3.6%	6.0%
West Des Moines	46.8%	15.7%	27.6%	4.0%	5.8%
Windsor Heights	51.3%	10.6%	26.1%	6.0%	5.9%

Source: U.S. Census, 2011 American Community Survey, 5-year Estimates.

2.1.6 Agriculture

According to the Iowa State University, University Extension Agricultural Profile for Polk County there were 738 farms in the county covering 249,427 acres of land (66 percent). Crop and livestock production are visible parts of the agricultural economy, but many related businesses contribute by producing, processing, and marketing farm and food products. These businesses generate income, employment and economic activity throughout the region. In 2007, Polk County farmers harvested 129,228 acres of corn, 81,127 acres of soybeans and produced 30,223 hogs and 13,208 head of cattle. Farmers on average are larger in Polk County with the average size 338 acres. Sales per farm in 2007 were \$166, 278. Polk County agriculture provides 10,984 jobs, representing 2.9 percent of the County's workforce. Polk County agriculture and economy contributions are summarized in **Table 2.4**.

Table 2.4. Polk County Agriculture and the Economy

	Output(millions)	Jobs
Crop and livestock production	\$79.20	542
Agriculture processing	\$2,096.00	6,963
Agriculture support	\$677.91	3,480
Total agriculture contribution	\$2, 853.10	10,984
Agriculture activity as percent of total activity	5.8%	2.90%
Household consumption and non-agproduction	\$46,473.30	362,138
Total economic activity	\$49,326.40	373,122

Iowa State University, University Extension, <http://www.extension.iastate.edu/Publications/Pm2023-77.pdf>

2.1.7 FEMA Hazard Mitigation Assistance Grants in Planning Area

Since 1993, over \$29 Million in Federal Hazard Mitigation Assistance grants has been awarded to subgrantees in Polk County. **Table 2.5** provides details on the previous FEMA Hazard Mitigation Assistance Grants in the planning area organized by project type.

Table 2.5. FEMA HMA Grants in Polk County from 1993-2012

Project Type	Sub applicant	Award Date	Project Total
Property Acquisition	NHS of Des Moines	8/9/1993	\$217,413.91
Property Acquisition	Des Moines, City of	9/13/1993	\$1,690,258.00
Infrastructure	Des Moines, City of	2/7/1994	\$342,092.00
Property Acquisition	Des Moines, City of	2/17/1999	\$583,956.76
Tornado Safe Room	Iowa State Fair	2/4/2002	\$880,228.00
Mitigation Planning	Polk County	1/18/2006	\$164,770.68
GPS software	Des Moines, City of	9/4/2008	\$273,091.77
Property Acquisition	Des Moines, City of # 1	4/28/2009	\$747,897
Property Acquisition	Des Moines, City of # 2	4/28/2009	\$233,085
Tornado Safe Room	Bondurant, City of	8/11/2010	\$459,705
Tornado Safe Room	Bondurant-Farrar Middle School	8/11/2010	\$1,008,453
Tornado Safe Room	Bondurant-Farrar High School	8/17/2010	\$1,478,625
Infrastructure	Polk County	1/25/2011	\$9,896,000
Tornado Safe Room	West Des Moines Valley CSD	6/7/2011	\$2,047,323
Tornado Safe Room	Urbandale, City of	8/17/2011	\$1,038,781
Property Acquisition	Des Moines, City of	12/7/2011	\$7,985,810
Mitigation Planning	Polk County	5/10/2012	\$100,000
Total			\$29,147,490

Source: Iowa Homeland Security and Emergency Management Division, Nov. 2012

2.2 City/County Jurisdictional Profiles and Mitigation Capabilities

This section includes individual profiles for each participating jurisdiction as well as a discussion of previous mitigation initiatives and a summary table indicating specific capabilities of each jurisdiction that relate to their ability to implement mitigation opportunities.

2.2.1 Unincorporated Polk County

The jurisdiction of Polk County includes all unincorporated areas within the County boundaries. The Polk County government structure is a County Board of Supervisors with six members. The Polk County government includes the following departments and offices:

- Board of Supervisors
- Community, Family & Youth Services
- Conservation Board
- County Assessor
- County Attorney
- County Auditor
- County Recorder
- County Sheriff
- County Treasurer
- Emergency Management
- General Services
- Health Department
- Health Services
- Human Resources
- Information Technology
- Medical Examiner
- Public Works
- Veteran's Affairs

Mitigation Initiatives/Capabilities

Chapter 29C of the Code of Iowa creates the State Emergency Management Division and the local Emergency Management Commissions. The Polk County Emergency Management Commission is made up of the mayors of all of the jurisdictions in Polk County, one member of the Polk County Board of Supervisors, and the Sheriff. The Commission appoints an Emergency Management Coordinator to manage the agency and assist the Commission.

Additional initiatives/capabilities are discussed below as well as in **Table 2.6** that follows:

- Polk County is currently working on the Hamilton Drain Watershed Improvement Project (2013).

- Polk County has several outdoor warning sirens which are activated by the Polk County Sheriff's Office.
- The County utilizes Code Red system for alerting.

Table 2.6. Unincorporated Polk County Mitigation Capabilities

Capabilities	Status
Planning Capabilities	
Comprehensive Plan	Yes- May 9, 2006
Builder's Plan	No
Capital Improvement Plan	Yes, April 15, 2013
Local Emergency Plan	N/A
County Emergency Plan	Yes
Local Recovery Plan	N/A
County Recovery Plan	Part of Emergency Operations Plan
Local Mitigation Plan	Yes, 2009
County Mitigation Plan	Yes, 2009
Local Mitigation Plan (PDM)	No
County Mitigation Plan (PDM)	No
Economic Development Plan	No
Transportation Plan	No
Land-use Plan	Yes- April 13, 2010
Flood Mitigation Assistance (FMA) Plan	No
Watershed Plan	In Progress
Firewise or other fire mitigation plan	No
School Mitigation Plan	N/A
Critical Facilities Plan (Mitigation/Response/Recovery)	N/A
Policies/Ordinance	
Zoning Ordinance	Yes- April 13, 2010
Building Code	Version: 2009 IBC & PC Construction Code- 9/11/12
Floodplain Ordinance	Yes
Subdivision Ordinance	Yes, April 2007
Tree Trimming Ordinance	No
Nuisance Ordinance	No
Storm Water Ordinance	No
Drainage Ordinance	No
Site Plan Review Requirements	Yes- see Zoning Ordinance
Historic Preservation Ordinance	No
Landscape Ordinance	No
Iowa Wetlands and Riparian Areas Conservation Plan	No
Debris Management Plan	No
Program	
Zoning/Land Use Restrictions	Yes- see Ordinance
Codes Building Site/Design	Yes, Construction Code-September 2012
National Flood Insurance Program (NFIP) Participant - Nondelegated	Yes
NFIP Community Rating System (CRS) Participating Community	No
Hazard Awareness Program	Yes
National Weather Service (NWS) Storm Ready	Yes
Building Code Effectiveness Grading (BCEGs)	No
ISO Fire Rating	Not Reported

Capabilities	Status
Economic Development Program	No
Land Use Program	Yes
Public Education/Awareness	No
Property Acquisition	No
Planning/Zoning Boards	Yes
Stream Maintenance Program	No
Tree Trimming Program	No
Engineering Studies for Streams (Local/County/Regional)	Yes- several in progress
Mutual Aid Agreements	Yes
Studies/Reports/Maps	
Hazard Analysis/Risk Assessment (Local)	N/A
Hazard Analysis/Risk Assessment (County)	Yes
Flood Insurance Maps	Currently Being Updated as part of Risk MAP
FEMA Flood Insurance Study (Detailed)	Currently Being Updated as part of Risk MAP
Evacuation Route Map	N/A
Critical Facilities Inventory	N/A
Vulnerable Population Inventory	N/A
Land Use Map	Yes
Staff/Department	
Building Code Official	Yes
Building Inspector	Yes
Mapping Specialist (GIS)	Yes- IT Dept
Engineer	Yes
Development Planner	Yes
Public Works Official	Yes
Emergency Management Coordinator	Yes
NFIP Floodplain Administrator	Yes
Bomb and/or Arson Squad	Not Reported
Emergency Response Team	Not Reported
Hazardous Materials Expert	Not Reported
Local Emergency Planning Committee	Yes
County Emergency Management Commission	Yes
Sanitation Department	Yes
Transportation Department	N/A
Economic Development Department	No
Housing Department	Yes (in Public Works)
Planning Consultant	Yes
Regional Planning Agencies	Yes
Historic Preservation	No
Non-Governmental Organizations (NGOs)	
American Red Cross	Not Reported
Salvation Army	Not Reported
Veterans Groups	Not Reported
Environmental Organization	Not Reported
Homeowner Associations	Yes
Neighborhood Associations	No
Chamber of Commerce	Not Reported
Community Organizations (Lions, Kiwanis, etc.)	Not Reported
Local Funding Availability	
Ability to apply for Community Development Block Grants	Yes
Ability to fund projects through Capital Improvements funding	Yes

Capabilities	Status
Authority to levy taxes for a specific purpose	Not Reported
Fees for water, sewer, gas, or electric services	Sewer and Water
Impact fees for new development	No
Ability to incur dept through general obligation bonds	Yes
Ability to incur debt through special tax bonds	Not Reported
Ability to incur debt through private activities	Not Reported
Ability to withhold spending in hazard prone areas	Not Reported

Source: Data Collection Guide, 2013

2.2.2 City of Alleman

The City of Alleman is located in northern Polk County. It is governed by a Mayor and 5-member Council. It had a 2010 population of 432, down 7 people from the 2000 population of 439.

Mitigation Initiatives/Capabilities

Specific initiatives/capabilities are discussed below as well as in **Table 2.7** that follows:

- Residents receive information regarding water use from Des Moines Waterworks
- Alleman has two outdoor warning sirens, one at each end of town. The sirens are activated through Polk County Dispatch.

Table 2.7. Alleman Mitigation Capabilities

Capability	Comments
Planning Capabilities	
Comprehensive Plan	Yes, updated 1-20-2007
Builder's Plan	No
Capital Improvement Plan	No
Local Emergency Plan	No
County Emergency Plan	N/A
Local Recovery Plan	No
County Recovery Plan	N/A
Local Mitigation Plan	Yes, 2009
County Mitigation Plan	N/A
Local Mitigation Plan (PDM)	No
County Mitigation Plan (PDM)	No
Economic Development Plan	Yes, 1997
Transportation Plan	No
Land-use Plan	No
Flood Mitigation Assistance (FMA) Plan	No
Watershed Plan	In Progress/4-mile Creek Watershed Plan
Firewise or other fire mitigation plan	No
School Mitigation Plan	N/A
Critical Facilities Plan (Mitigation/Response/Recovery)	No
Policies/Ordinance	
Zoning Ordinance	Yes
Building Code	Yes
Floodplain Ordinance	No
Subdivision Ordinance	Yes
Tree Trimming Ordinance	No
Nuisance Ordinance	Yes
Storm Water Ordinance	No
Drainage Ordinance	No
Site Plan Review Requirements	Yes
Historic Preservation Ordinance	No
Landscape Ordinance	No
Iowa Wetlands and Riparian Areas Conservation Plan	No
Debris Management Plan	No
Program	
Zoning/Land Use Restrictions	Yes
Codes Building Site/Design	Yes

Capability	Comments
National Flood Insurance Program (NFIP) Participant - Nondelegated	No
NFIP Community Rating System (CRS) Participating Community	No
Hazard Awareness Program	No
National Weather Service (NWS) Storm Ready	Yes
Building Code Effectiveness Grading (BCEGs)	Not Reported
ISO Fire Rating	Not Reported
Economic Development Program	No
Land Use Program	No
Public Education/Awareness	No
Property Acquisition	No
Planning/Zoning Boards	Yes
Stream Maintenance Program	In Progress/4-mile Creek Watershed Plan
Tree Trimming Program	No
Engineering Studies for Streams (Local/County/Regional)	In Progress/4-mile Creek Watershed Plan
Mutual Aid Agreements	Yes, for additional fire services
Studies/Reports/Maps	
Hazard Analysis/Risk Assessment (Local)	Being Updated through Risk MAP
Hazard Analysis/Risk Assessment (County)	N/A
Flood Insurance Maps	Being Updated through Risk MAP
FEMA Flood Insurance Study (Detailed)	Being Updated through Risk MAP
Evacuation Route Map	No
Critical Facilities Inventory	Yes
Vulnerable Population Inventory	No
Land Use Map	Yes
Staff/Department	
Building Code Official	Through County
Building Inspector	Through County
Mapping Specialist (GIS)	No
Engineer	Contracted as needed
Development Planner	No
Public Works Official	Yes, Public Works Director
Emergency Management Coordinator	Yes
NFIP Floodplain Administrator	No
Bomb and/or Arson Squad	No
Emergency Response Team	No
Hazardous Materials Expert	No
Local Emergency Planning Committee	No
County Emergency Management Commission	N/A
Sanitation Department	No
Transportation Department	No
Economic Development Department	No
Housing Department	No
Planning Consultant	No
Regional Planning Agencies	Yes, various
Historic Preservation	No
Non-Governmental Organizations (NGOs)	
American Red Cross	No
Salvation Army	No
Veterans Groups	No
Environmental Organization	No
Homeowner Associations	No
Neighborhood Associations	No
Chamber of Commerce	No
Community Organizations (Lions, Kiwanis, etc.)	No
Local Funding Availability	
Ability to apply for Community Development Block Grants	Yes

Capability	Comments
Ability to fund projects through Capital Improvements funding	Not Reported
Authority to levy taxes for a specific purpose	Yes
Fees for water, sewer, gas, or electric services	Yes
Impact fees for new development	N/A
Ability to incur debt through general obligation bonds	Yes
Ability to incur debt through special tax bonds	Yes
Ability to incur debt through private activities	N/A
Ability to withhold spending in hazard prone areas	N/A

Source: Data Collection Guide, 2013

2.2.3 City of Altoona

The City of Altoona is a city in Polk County located about 5 miles northeast of Des Moines. It is governed by a Mayor and 5-member Council. It had a 2010 population of 14,541, up 28 percent from the 2000 population of 10,345.

Mitigation Initiatives/Capabilities

Specific initiatives/capabilities are discussed below as well as in **Table 2.8** that follows:

- The City participates in the Metro Water group that promotes wise water use.
- The City publishes a newsletter that can be used for public information.
- The City participates in the Metro Stormwater group which provides public information.
- Altoona has 11 outdoor warning sirens which are activated by Polk County Dispatch.
- The City utilizes a reverse 911 system.
- The City has designated church basements as tornado shelters.

Table 2.8. Altoona Mitigation Capabilities

Capabilities	Status	Comments
Planning Capabilities		
Comprehensive Plan	Yes, 1996, 2007	Currently updating
Builder's Plan		
Capital Improvement Plan	Yes, 2012	Updated annually
Local Emergency Plan	Yes	
County Emergency Plan	Yes	
Local Recovery Plan	No	
County Recovery Plan	N/A	
Local Mitigation Plan	Yes, 2009	
County Mitigation Plan	Yes, 2009	
Local Mitigation Plan (PDM)	No	
County Mitigation Plan (PDM)	No	
Economic Development Plan		Currently developing
Transportation Plan	Yes	MPO
Land-use Plan	1996/2007	Currently updating
Flood Mitigation Assistance (FMA) Plan	No	
Watershed Plan	Yes/4-mile Creek	Working on 4-mile Creek
Firewise or other fire mitigation plan		Currently updating
School Mitigation Plan	N/A	
Critical Facilities Plan (Mitigation/Response/Recovery)		Currently Updating
Policies/Ordinance		
Zoning Ordinance	Yes	
Building Code	2006	Working towards adopting 2012
Floodplain Ordinance	Yes	
Subdivision Ordinance	Yes	
Tree Trimming Ordinance	Yes	
Nuisance Ordinance	Yes	
Storm Water Ordinance	Yes	

Capabilities	Status	Comments
Drainage Ordinance	Yes	
Site Plan Review Requirements	Yes	
Historic Preservation Ordinance	No	
Landscape Ordinance	Within site plan requirements	
Iowa Wetlands and Riparian Areas Conservation Plan	N/A	
Debris Management Plan		Working on regional plan
Program		
Zoning/Land Use Restrictions	Yes	
Codes Building Site/Design	Yes	
National Flood Insurance Program (NFIP) Participant - Nondelegated	Yes	
NFIP Community Rating System (CRS) Participating Community	No	
Hazard Awareness Program	No	
National Weather Service (NWS) Storm Ready	No	
Building Code Effectiveness Grading (BCEGs)	Yes	
ISO Fire Rating	Rating-4	
Economic Development Program	Yes	
Land Use Program	Yes	
Public Education/Awareness	Yes	Newsletter
Property Acquisition	Yes	
Planning/Zoning Boards	Yes	
Stream Maintenance Program	Yes	
Tree Trimming Program	Yes	
Engineering Studies for Streams (Local/County/Regional)	Yes	Mud Creek
Mutual Aid Agreements	Yes	
Studies/Reports/Maps		
Hazard Analysis/Risk Assessment (Local)	Yes, 2009	Being Updated
Hazard Analysis/Risk Assessment (County)	Yes, 2009	Being Updated
Flood Insurance Maps	Yes	Being Updated through Risk MAP
FEMA Flood Insurance Study (Detailed)	Yes	Being Updated through Risk MAP
Evacuation Route Map	Yes, Police Department Responsibility	
Critical Facilities Inventory	Yes	
Vulnerable Population Inventory	No	
Land Use Map	Yes	
Staff/Department		
Building Code Official	Yes	
Building Inspector	Yes	
Mapping Specialist (GIS)	Yes	
Engineer	Yes	
Development Planner	Yes	
Public Works Official	Yes	

Capabilities	Status	Comments
Emergency Management Coordinator	Yes	Polk County
NFIP Floodplain Administrator	No	
Bomb and/or Arson Squad	Yes	Mutual Aid Agreement
Emergency Response Team	Yes	
Hazardous Materials Expert	Yes	Mutual Aid Agreement
Local Emergency Planning Committee	Yes	Polk County
County Emergency Management Commission	Yes	Polk County
Sanitation Department	No	
Transportation Department	No	
Economic Development Department	Yes	
Housing Department	Yes	
Planning Consultant	No	
Regional Planning Agencies	No	
Historic Preservation	No	
Non-Governmental Organizations (NGOs)		
American Red Cross	Yes	
Salvation Army	Yes	
Veterans Groups	Yes	
Environmental Organization	Not Reported	
Homeowner Associations	Yes	
Neighborhood Associations	No	
Chamber of Commerce	Yes	
Community Organizations (Lions, Kiwanis, etc.)	Yes	
Local Funding Availability		
Ability to apply for Community Development Block Grants	Yes	
Ability to fund projects through Capital Improvements funding	Yes	
Authority to levy taxes for a specific purpose	Yes	
Fees for water, sewer, gas, or electric services	Yes	
Impact fees for new development	Yes	
Ability to incur dept through general obligation bonds	Yes	
Ability to incur debt through special tax bonds	Yes	
Ability to incur debt through private activities	No	
Ability to withhold spending in hazard prone areas	Yes	

Source: Data Collection Guide, 2013

2.2.4 City of Ankeny

The City of Ankeny is a city in northern Polk County. It had a 2010 population of 45,582, up by 68 percent from the 2000 population of 27,117.

Mitigation Initiatives/Capabilities

Specific initiatives/capabilities are discussed below as well as in **Table 2.9** that follows:

- Ankeny provides periodic public notices and education articles on fire prevention.
- The Police Department provides both bicycle safety programs and Child Safety Seat training.
- Ankeny Communication Office, Polk County EMA and Polk County Health Department provide media articles on winter storms, heat, health and infectious control awareness.
- Ankeny completed the Westwind Reconstruction Project for storm sewer erosion control
- The City also completed Rock Creek Storm water control project which is designed to reduce flash flooding and erosion.
- The city of Ankeny has 21 outdoor warning sirens.

Table 2.9. Ankeny Mitigation Capabilities

Capabilities	Status	Comments
Planning Capabilities		
Comprehensive Plan	2010	Obtain at: http://www.ankenyiowa.gov/index.aspx?page=116
Builder's Plan	N/A	All aspects of a Builders Plan are incorporated within exiting Ankeny Builders regulations
Capital Improvement Plan	2013- updated annual	Obtain at: http://www.amlegal.com/library/ia/ankeny.shtml
Local Emergency Plan	2007	http://www.ankenyiowa.gov/modules/ShowDocument.aspx?documentid=1788
County Emergency Plan	Yes	See Polk County EOP
Local Recovery Plan	2007	Located within Ankeny's City EOP
County Recovery Plan	Yes	See Polk County EOP/Recovery Plan
Local Mitigation Plan	Yes, 2009	Located within Ankeny's City EOP
County Mitigation Plan	Yes, 2009	See Current Polk County/Ankeny Multi-Hazard-Multi-Jurisdictional Hazard Mitigation Plan
Local Mitigation Plan (PDM)	No	
County Mitigation Plan (PDM)	No	
Economic Development Plan	2010	EDP is located within Ankeny's Comprehensive Plan (see above)
Transportation Plan	2010	Transportation Plan is located within Ankeny Comprehensive Plan
Land-use Plan	2010	Located within Ankeny Comprehensive Plan
Flood Mitigation Assistance (FMA) Plan	No	
Watershed Plan	Yes	www.ci.ankeny.is.us/Modules/ShowDocument.aspx?documentid=8547
Firewise or other fire mitigation plan	N/A	
School Mitigation Plan	N/A	

Capabilities	Status	Comments
Critical Facilities Plan (Mitigation/Response/Recovery)	Yes	Located within current Polk County Multi-Hazard/Multi-Jurisdictional Hazard Mitigation Plan and Ankeny EOP
Policies/Ordinance		
Zoning Ordinance	Yes	See within Municipal Code: http://amlegal.com/library/ia/Ankeny.shtml , chapters 190-201
Building Code	Version:2012 IBC/IRC	Obtain full listing of all construction codes (Municipal Code)
Floodplain Ordinance	Yes, 2010	Located within Ankeny Municipal Code – Chapter 193
Subdivision Ordinance	Yes	Municipal Code – Chapter 200
Tree Trimming Ordinance	Yes	Municipal Code – Chapter 166
Nuisance Ordinance	Yes	“ ” - Chapter 50
Storm Water Ordinance	Yes	Municipal Codes – Chapters 105,106,107
Drainage Ordinance	N/A	
Site Plan Review Requirements	Yes	Sub-Division Code – Municipal Code Chapter 192
Historic Preservation Ordinance	N/A	
Landscape Ordinance	Yes	Sub-Division Code – Municipal Code Chapter 192
Iowa Wetlands and Riparian Areas Conservation Plan	N/A	
Debris Management Plan	2007	Currently within Ankeny’s EOP, updated version under development in conjunction with Polk County EMA
Program		
Zoning/Land Use Restrictions	Yes	Program outlined in municipal code Chapters 190-201
Codes Building Site/Design	Yes	Detailed in Site Plan Review requirements
National Flood Insurance Program (NFIP) Participant - Nondelegated	Yes	
NFIP Community Rating System (CRS) Participating Community	No	Unknown
Hazard Awareness Program	Yes	City adopted NFPA 704 Program, enforce by Ankeny Fire
National Weather Service (NWS) Storm Ready	Yes	Recertified via City Council Resolution – August 13, 2013
Building Code Effectiveness Grading (BCEGs)	Yes	Commercial – 3, Residential – 4
ISO Fire Rating	Rating:4	Waiting for recent evaluation results. Submitted June 2013
Economic Development Program	Yes	See Ankeny Comprehensive Plan
Land Use Program	Yes	See Ankeny Comprehensive Plan
Public Education/Awareness	Yes	Periodic publications by Waste Water Div., Fire Department, County Health and Emergency Management Departments
Property Acquisition	Yes	Utilize Iowa code
Planning/Zoning Boards	Yes	Planning & Zoning Commission and Board of Adjustments
Stream Maintenance Program	Yes	Through Ankeny Storm Water Division
Tree Trimming Program	Yes	See Municipal Code
Engineering Studies for Streams (Local/County/Regional)	Yes	See Four Mile Watershed Plan
Mutual Aid Agreements	Yes 2002/2010	Polk County 28E – Multi-Community Mutual Aid program for Fire and Emergency Services

Capabilities	Status	Comments
Studies/Reports/Maps		
Hazard Analysis/Risk Assessment (Local)	Yes	Ankeny Comp Plan
Hazard Analysis/Risk Assessment (County)	Yes	See Polk County Hazard Mitigation Plan
Flood Insurance Maps	Being Updated through Risk MAP	
FEMA Flood Insurance Study (Detailed)	Being Updated through Risk MAP	
Evacuation Route Map	Yes	See Metropolitan Planning Organization - Plan (http://okeechobeecountyfl.iqm2.com/Citizens/Detail_LegiFile.aspx?MeetingID=3018&ID=1850)
Critical Facilities Inventory	Yes	Within current Polk County Multi-Hazard Plan
Vulnerable Population Inventory	No	Currently under development by the Ankeny Community Services Organization. They are partnering with the Nevelin Center and local churches to collect data on Ankeny residents seeking assistance.
Land Use Map	Yes	See Ankeny Comprehensive Plan
Staff/Department		
Building Code Official	Yes	
Building Inspector	Yes	Four Specialists(Gas, Electrical, Plumbing, and Structural)
Mapping Specialist (GIS)	Yes	
Engineer	Yes	Public Works Director
Development Planner	Yes	Building and Planning Director
Public Works Official	Yes	
Emergency Management Coordinator	Yes	Fire Chief
NFIP Floodplain Administrator	Yes	Storm Water Utilities Director
Bomb and/or Arson Squad	Yes	Bomb Squad provided through Des Moines PD and Office of the State Fire Marshal. Arson squad first through Ankeny FD & PD, Second through Office of the State Fire Marshal.
Emergency Response Team	Yes	CERT(ACERT)
Hazardous Materials Expert	Yes	Contracted through Des Moines Fire Department
Local Emergency Planning Committee	Yes	Via – Polk County LEPC
County Emergency Management Commission	Yes	
Sanitation Department	--	Provided through independent providers via residential contracts
Transportation Department	Yes	
Economic Development Department	Yes	
Housing Department	Yes	
Planning Consultant		
Regional Planning Agencies		
Historic Preservation	No	
Non-Governmental Organizations (NGOs)		

Capabilities	Status	Comments
American Red Cross	Yes	Polk County
Salvation Army	Yes	" "
Veterans Groups	Yes	Ankeny chapters: American Legion and VFW
Environmental Organization	No	
Homeowner Associations	Yes	Numerous
Neighborhood Associations	Yes	Numerous
Chamber of Commerce	Yes	Ankeny Chamber of Commerce
Community Organizations (Lions, Kiwanis, etc.)	Yes	Rotary, Lions, Optimists, Kiwanis, Jaycees, Historical Society, School District Foundation, Community Chorus, Community Theater, Garden Club, Toastmasters, Young Professionals, Uptown Association, Leadership Institute, Numerous Boy Scout and Cub Scout Troops.
Local Funding Availability		
Ability to apply for Community Development Block Grants	No	
Ability to fund projects through Capital Improvements funding	Yes	See Ankeny Capital Improvement Plan
Authority to levy taxes for a specific purpose	Yes	Through authorized budgetary process
Fees for water, sewer, gas, or electric services	Yes	
Impact fees for new development	No	
Ability to incur dept through general obligation bonds	Yes	
Ability to incur debt through special tax bonds	No	
Ability to incur debt through private activities	No	
Ability to withhold spending in hazard prone areas	No	

Source: Data Collection Guide, 2013

2.2.5 City of Bondurant

The City of Bondurant is a small city on the eastern portion of Polk County. It is governed by a Mayor and 5-member Council and a City Administrator. It had a 2010 population of 3,860, up 52 percent from the 2000 population of 1,846.

Mitigation Initiatives/Capabilities

Specific initiatives/capabilities are discussed below as well as in **Table 2.10** that follows:

- The Fire Department conducts safety sessions annually, primarily at school facilities.
- Bondurant has 4 outdoor warning sirens which are activated by the Polk County Dispatch.
- The City has a designated public tornado shelter/saferoom located at the Bondurant Recreation Sports Complex

Table 2.10. Bondurant Mitigation Capabilities

Capabilities	Status	Comments
Planning Capabilities		
Comprehensive Plan	Yes, May 2012	
Builder's Plan	No	
Capital Improvement Plan	No	
Local Emergency Plan	No	
County Emergency Plan	No	
Local Recovery Plan	No	
County Recovery Plan	No	
Local Mitigation Plan	Yes, 2009	
County Mitigation Plan	Yes, 2009	
Local Mitigation Plan (PDM)	No	
County Mitigation Plan (PDM)	No	
Economic Development Plan	No	
Transportation Plan	Partial	Generally included in Comp Plan
Land-use Plan	Yes, Part of Comp Plan	
Flood Mitigation Assistance (FMA) Plan	No	
Watershed Plan	Partial	Generally included in Comp Plan
Firewise or other fire mitigation plan	No	
School Mitigation Plan	N/A	
Critical Facilities Plan (Mitigation/Response/Recovery)	No	
Policies/Ordinance		
Zoning Ordinance	Yes	
Building Code	Vision 2006 International Building Code and International Residential Building Code	
Floodplain Ordinance	Yes, adoption date unknown	
Subdivision Ordinance	Yes	
Tree Trimming Ordinance	No	
Nuisance Ordinance	Yes	
Storm Water Ordinance	Yes	
Drainage Ordinance	No	

Capabilities	Status	Comments
Site Plan Review Requirements	Yes	
Historic Preservation Ordinance	No	
Landscape Ordinance	No	
Iowa Wetlands and Riparian Areas Conservation Plan	No	
Debris Management Program	No	
Zoning/Land Use Restrictions	Yes	
Codes Building Site/Design	Yes	
National Flood Insurance Program (NFIP) Participant - Nondelegated	Yes	
NFIP Community Rating System (CRS) Participating Community	Unknown	
Hazard Awareness Program	Not Reported	
National Weather Service (NWS) Storm Ready	Yes	
Building Code Effectiveness Grading (BCEGs)	Yes, Class 3	
ISO Fire Rating	Class 6	
Economic Development Program	No	
Land Use Program	Yes, Land Use Plan	
Public Education/Awareness	No	
Property Acquisition	Yes	
Planning/Zoning Boards	Yes	
Stream Maintenance Program	No	
Tree Trimming Program	No	
Engineering Studies for Streams (Local/County/Regional)	No	
Mutual Aid Agreements	Yes	
Studies/Reports/Maps		
Hazard Analysis/Risk Assessment (Local)	No	
Hazard Analysis/Risk Assessment (County)	N/A	
Flood Insurance Maps	Being Updated through Risk MAP	
FEMA Flood Insurance Study (Detailed)	Being Updated through Risk MAP	
Evacuation Route Map	No	
Critical Facilities Inventory	No	
Vulnerable Population Inventory	No	
Land Use Map	Yes	
Staff/Department		
Building Code Official	Yes	
Building Inspector	Yes	
Mapping Specialist (GIS)	No	
Engineer	Yes	
Development Planner	No	
Public Works Official	Yes	
Emergency Management Coordinator	No	

Capabilities	Status	Comments
NFIP Floodplain Administrator	No	
Bomb and/or Arson Squad	Yes, by contract	
Emergency Response Team	Yes	
Hazardous Materials Expert	No	
Local Emergency Planning Committee	No	
County Emergency Management Commission	Yes	
Sanitation Department	No	
Transportation Department	No	
Economic Development Department	No	
Housing Department	No	
Planning Consultant		
Regional Planning Agencies		
Historic Preservation	No	
Non-Governmental Organizations (NGOs)		
American Red Cross	No	
Salvation Army	No	
Veterans Groups	Yes	
Environmental Organization	No	
Homeowner Associations	Yes	
Neighborhood Associations	No	
Chamber of Commerce	Yes	
Community Organizations (Lions, Kiwanis, etc.)	Yes	
Local Funding Availability		
Ability to apply for Community Development Block Grants	No	
Ability to fund projects through Capital Improvements funding	Yes	
Authority to levy taxes for a specific purpose	Yes	
Fees for water, sewer, gas, or electric services	Yes	
Impact fees for new development	No	
Ability to incur dept through general obligation bonds	Yes	
Ability to incur debt through special tax bonds	Yes	
Ability to incur debt through private activities	No	
Ability to withhold spending in hazard prone areas	No	

Source: Data Collection Guide, 2013

2.2.6 City of Clive

The City of Clive is a small city in west Polk County. It is governed by a Mayor and 5-member Council. It had a 2010 population of 15,447, up by nearly 16 percent from the 2000 population of 12,855.

Mitigation Initiatives/Capabilities

Specific initiatives/capabilities are discussed below as well as in **Table 2.11** that follows:

- The City provides public education through newsletters, bill stuffers and brochures that cover the affects of storm water to include flooding and water quality.
- Clive built a concrete flood projection wall around its distribution pumping station.
- The City is currently replacing old flap gates with TideFlex valves along flood prone areas along Walnut Creek.
- Clive has eight outdoor warning sirens. Six are specific to Clive and two are shared with the city of Urbandale.
- Clive uses Reverse 911 system governed by the Cod Red.

Table 2.11. Clive Mitigation Capabilities

Capabilities	Status	Comments
Planning Capabilities		
Comprehensive Plan	Yes, 1988	In the process of updating. Will be completed by year end.
Builder's Plan	No	
Capital Improvement Plan	Yes, December 2012	Updated yearly
Local Emergency Plan	Yes	Will be updated with minor items in next month.
County Emergency Plan	N/A	
Local Recovery Plan	N/A	
County Recovery Plan	N/A	
Local Mitigation Plan	Yes, 2009	Regional Plan thru Polk County EMA.
County Mitigation Plan	Yes, 2009	
Local Mitigation Plan (PDM)	No	
County Mitigation Plan (PDM)	No	
Economic Development Plan	Yes	
Transportation Plan	N/A	
Land-use Plan	Yes	
Flood Mitigation Assistance (FMA) Plan	No	
Watershed Plan	No	
Firewise or other fire mitigation plan	No	
School Mitigation Plan	N/A	
Critical Facilities Plan (Mitigation/Response/Recovery)	No	
Policies/Ordinance		
Zoning Ordinance	Yes	
Building Code	Version: IBC 2006	
Floodplain Ordinance	Yes	
Subdivision Ordinance	Yes	

Capabilities	Status	Comments
Tree Trimming Ordinance	Yes	
Nuisance Ordinance	Yes	
Storm Water Ordinance	Yes	
Drainage Ordinance	No	
Site Plan Review Requirements	Not Reported	
Historic Preservation Ordinance	No	
Landscape Ordinance	Yes	
Iowa Wetlands and Riparian Areas Conservation Plan	No	
Debris Management Plan	Yes, in EOP	Regional plan under development
Program		
Zoning/Land Use Restrictions	Yes	
Codes Building Site/Design	Yes	
National Flood Insurance Program (NFIP) Participant - Nondelegated	No	
NFIP Community Rating System (CRS) Participating Community	No	
Hazard Awareness Program	No	
National Weather Service (NWS) Storm Ready	No	
Building Code Effectiveness Grading (BCEGs)	Yes	
ISO Fire Rating	Rating: 3	
Economic Development Program	Yes	
Land Use Program	Yes	
Public Education/Awareness	Yes	Various topics: Public safety, storm water, wastewater, Fire/EMS topics
Property Acquisition	No	
Planning/Zoning Boards	Yes	
Stream Maintenance Program	Yes	Generally stream stabilization
Tree Trimming Program	Yes (over public streets)	
Engineering Studies for Streams (Local/County/Regional)	Yes	
Mutual Aid Agreements	Yes	Numerous
Studies/Reports/Maps		
Hazard Analysis/Risk Assessment (Local)	Yes	In Clive EOP, Also in current Multi Jurisdiction Hazard Mitigation Plan
Hazard Analysis/Risk Assessment (County)	N/A	
Flood Insurance Maps	Being Updated through Risk MAP	
FEMA Flood Insurance Study (Detailed)	Being Updated through Risk MAP	
Evacuation Route Map	Yes	
Critical Facilities Inventory	Yes	Flood Response and Recovery Plan
Vulnerable Population Inventory	Yes	In current Multi Jurisdiction Hazard Mitigation Plan
Land Use Map	Yes	
Staff/Department		
Building Code Official	Yes	
Building Inspector	Yes	
Mapping Specialist (GIS)	Yes	

Capabilities	Status	Comments
Engineer	Yes	
Development Planner	Yes	
Public Works Official	Yes	
Emergency Management Coordinator	Yes	
NFIP Floodplain Administrator	Yes	
Bomb and/or Arson Squad	No	State assets available.
Emergency Response Team	No	
Hazardous Materials Expert	Yes	Des Moines Fire Department
Local Emergency Planning Committee	N/A	Polk County LEPC
County Emergency Management Commission	N/A	Polk and Dallas County EMAs
Sanitation Department	No	Contract with third party
Transportation Department	Yes	Public Works
Economic Development Department	No	
Housing Department	No	
Planning Consultant		
Regional Planning Agencies		
Historic Preservation	No	
Non-Governmental Organizations (NGOs)		
American Red Cross	No	
Salvation Army	No	
Veterans Groups	No	
Environmental Organization	Yes	Green & Sustainable Clive
Homeowner Associations	Yes	Various
Neighborhood Associations	No	
Chamber of Commerce	Yes	Clive Chamber of Commerce
Community Organizations (Lions, Kiwanis, etc.	Yes	Lions, Historical Society, Jaycees
Local Funding Availability		
Ability to apply for Community Development Block Grants	No	No direct access
Ability to fund projects through Capital Improvements funding	Yes	
Authority to levy taxes for a specific purpose	Yes	
Fees for water, sewer, gas, or electric services	Yes	Water, wastewater & storm water
Impact fees for new development	No	
Ability to incur dept through general obligation bonds	Yes	
Ability to incur debt through special tax bonds	Yes	
Ability to incur debt through private activities	No	
Ability to withhold spending in hazard prone areas	Yes	

Source: Data Collection Guide, 2013

2.2.7 City of Des Moines

The City of Des Moines is the capital city of Iowa and is located in central Polk County. It is the largest city in the county and had a 2010 population of 204,220; up almost 3 percent from the 2000 population of 198,682. It is governed by a 7-member Council member one of which serves as Mayor. The City of Des Moines government includes the following departments and offices:

- City Clerk
- City Manager
- Community Development
- Des Moines International Airport
- Engineering
- Finance
- Fire Department
- Housing Services
- Human Resources
- Human rights
- Information Technology
- Legal Department
- Library
- Park and Recreation
- Police Department
- Public Works
- Wastewater Reclamation

Mitigation Initiatives/Capabilities

Specific initiatives/capabilities are discussed below as well as in **Table 2.12** that follows:

- Fire safety/public education programs are provided to schools, senior citizen groups and businesses throughout each year.
- The Des Moines Municipal Housing agency provides periodic fire safety educational sessions to tenants within multi-family units.
- The Des Moines Municipal Housing Agency has a provision within HUD and an approved Agency Plan for both Public Housing and Section 8 to provide pro-rated rental assistance to families that would lose their housing due to natural disasters or through no fault of their own. Additionally, the Des Moines Community Action Agency has historically assisted with income verification and distribution of disaster assistance funds to low-income families, providing referral services and staffing a booth at the FEMA designated command center.
- Des Moines has 28 outdoor warning sirens which are activated by the Polk County.
- Des Moines Public Safety Dispatch has reverse 911 capabilities and Code Red for mass communication by telephone for emergency information.
- The City has a FEMA certified tornado shelter/saferoom at the Iowa State Fairgrounds.

Table 2.12. Des Moines Mitigation Capabilities

Capabilities	Status	Comments
Planning Capabilities		
Comprehensive Plan	Yes, 1999	
Builder's Plan	No	
Capital Improvement Plan	Yes, 2014-19	
Local Emergency Plan	No	
County Emergency Plan	N/A	Polk County EMA
Local Recovery Plan	No	
County Recovery Plan	N/A	
Local Mitigation Plan	Yes, 2009	
County Mitigation Plan	Yes, 2009	Polk County EMA
Local Mitigation Plan (PDM)	No	
County Mitigation Plan (PDM)	No	
Economic Development Plan	No	
Transportation Plan	No	Metropolitan Planning Organization
Land-use Plan	Yes	See appendix item 3
Flood Mitigation Assistance (FMA) Plan	No	
Watershed Plan	Yes	
Firewise or other fire mitigation plan	No	
School Mitigation Plan	N/A	
Critical Facilities Plan (Mitigation/Response/Recovery)	No	Homeland Security
Policies/Ordinance		
Zoning Ordinance	Yes	Chapter 134 of City Code
Building Code	Version: 2012 International	IFC, IBC, IEBC and Chapter 26 of City
Floodplain Ordinance	Yes	Chapter 50 of City Code
Subdivision Ordinance	Yes	Chapter 106 of City Code
Tree Trimming Ordinance	Yes	Chapter 122 Sec 10 of City Code
Nuisance Ordinance	Yes	Chapter 42 Sec 346-349 of City Code
Storm Water Ordinance	Yes	Numerous places in City Code
Drainage Ordinance	Yes	Numerous places in City Code
Site Plan Review Requirements	Yes	Chapter 82 of City Code
Historic Preservation Ordinance	Yes	Chapter 58 of City Code
Landscape Ordinance	Yes	Site Plan Policies
Iowa Wetlands and Riparian Areas Conservation Plan	No	
Debris Management Plan	Not Reported	
Program		
Zoning/Land Use Restrictions	Yes	Chapter 134 Sec 1191-1138
Codes Building Site/Design	Yes	Chapter 26 and Chapter 82 of City
National Flood Insurance Program (NFIP) Participant - Nondelegated	Yes	
NFIP Community Rating System (CRS) Participating Community	Yes, Class 7	
Hazard Awareness Program	Yes	Fire Department, CRS

Capabilities	Status	Comments
National Weather Service (NWS) Storm Ready	No	Polk County
Building Code Effectiveness Grading (BCEGs)	Yes	2
ISO Fire Rating	Rating: 3/8B	With hydrant/Without Hydrant
Economic Development Program	Yes	
Land Use Program	No	
Public Education/Awareness	Yes	
Property Acquisition	Yes	
Planning/Zoning Boards	Yes	
Stream Maintenance Program	Yes	Monitoring by Public Works Dept.
Tree Trimming Program	Yes	
Engineering Studies for Streams (Local/County/Regional)	Yes	
Mutual Aid Agreements	Yes	Numerous 28E agreements
Studies/Reports/Maps		
Hazard Analysis/Risk Assessment (Local)	No	
Hazard Analysis/Risk Assessment (County)	N/A	Polk County EMA
Flood Insurance Maps	Being Updated through Risk MAP	
FEMA Flood Insurance Study (Detailed)	Being Updated through Risk MAP	
Evacuation Route Map	Yes	Fire Department
Critical Facilities Inventory	No	Fire Department Tier 2 inventory
Vulnerable Population Inventory	No	
Land Use Map	Yes	
Staff/Department		
Building Code Official	Yes	
Building Inspector	Yes	4 on staff
Mapping Specialist (GIS)	Yes	
Engineer	Yes	
Development Planner	Yes	
Public Works Official	Yes	
Emergency Management Coordinator	No	Polk County EMA
NFIP Floodplain Administrator	Yes	
Bomb and/or Arson Squad	Yes, both	Police Dept/Joint Police and Fire
Emergency Response Team	Yes	Police SWAT
Hazardous Materials Expert	Yes	2 at Fire Dept
Local Emergency Planning Committee	No	Polk County EMA
County Emergency Management Commission	No	Polk County EMA
Sanitation Department	Yes	
Transportation Department	Yes	
Economic Development Department	Yes	
Housing Department	Yes	
Planning Consultant		
Regional Planning Agencies		
Historic Preservation	Yes	

Capabilities	Status	Comments
Non-Governmental Organizations (NGOs)		
American Red Cross	Yes	
Salvation Army	Yes	
Veterans Groups	Yes	Numerous
Environmental Organization	Yes	Numerous
Homeowner Associations	Yes	Numerous
Neighborhood Associations	Yes	Numerous
Chamber of Commerce	Yes	Greater Des Moines Partnership
Community Organizations (Lions, Kiwanis, etc.)	Yes	Numerous
Local Funding Availability		
Ability to apply for Community Development Block Grants	Yes	Entitlement City
Ability to fund projects through Capital Improvements funding	Yes	
Authority to levy taxes for a specific purpose	Yes	
Fees for water, sewer, gas, or electric services	Yes	
Impact fees for new development	Yes	Water and sewer enterprises
Ability to incur dept through general obligation bonds	Yes	
Ability to incur debt through special tax bonds	Unknown	
Ability to incur debt through private activities	No	
Ability to withhold spending in hazard prone areas	No	

Source: Data Collection Guide, 2013

2.2.8 City of Elkhart

The City of Elkhart is a small city in northeast Polk County. It is governed by a Mayor and 5-member Council. It had a 2010 population of 683, up 46 percent from the 2000 population of 362.

Mitigation Initiatives/Capabilities

Specific initiatives/capabilities are discussed below as well as in **Table 2.13** that follows:

- The City produces monthly newsletters to property owners covering fire safety programs.
- The City has one outdoor warning siren that is activated remotely by Polk County Dispatch.

Table 2.13. Elkhart Mitigation Capabilities

Capabilities	Status	Comments
Planning Capabilities		
Comprehensive Plan	Yes	
Builder's Plan	None	
Capital Improvement Plan	None	
Local Emergency Plan	No	
County Emergency Plan	Yes	
Local Recovery Plan	N	
County Recovery Plan	Yes	
Local Mitigation Plan	Yes, 2009	
County Mitigation Plan	Yes, 2009	
Local Mitigation Plan (PDM)	No	
County Mitigation Plan (PDM)	No	
Economic Development Plan	No	
Transportation Plan	No	
Land-use Plan	Yes	
Flood Mitigation Assistance (FMA) Plan	No	
Watershed Plan	Yes-Part of Watershed Planning Area	
Firewise or other fire mitigation plan	No	Doing Pier Plans
School Mitigation Plan	N/A	
Critical Facilities Plan (Mitigation/Response/Recovery)	Yes	Under Development
Policies/Ordinance		
Zoning Ordinance	Yes	
Building Code	Yes, 2006	
Floodplain Ordinance	No	
Subdivision Ordinance	Yes	
Tree Trimming Ordinance	Yes	
Nuisance Ordinance	Yes	
Storm Water Ordinance	Yes	
Drainage Ordinance	Yes	
Site Plan Review Requirements	Yes-contracted	
Historic Preservation Ordinance	No	

Capabilities	Status	Comments
Landscape Ordinance		
Iowa Wetlands and Riparian Areas Conservation Plan	No	
Debris Management Plan Program	No-Polk County	
Zoning/Land Use Restrictions	Yes	
Codes Building Site/Design	Yes	
National Flood Insurance Program (NFIP) Participant - Nondelegated	No	
NFIP Community Rating System (CRS) Participating Community	No	
Hazard Awareness Program	No	
National Weather Service (NWS) Storm Ready	Yes	
Building Code Effectiveness Grading (BCEGs)	Yes	
ISO Fire Rating	Rating 6	
Economic Development Program	No	
Land Use Program	Yes	
Public Education/Awareness	Yes	
Property Acquisition	No	
Planning/Zoning Boards	Yes	
Stream Maintenance Program	N/A	
Tree Trimming Program	Yes	
Engineering Studies for Streams (Local/County/Regional)	Polk County	
Mutual Aid Agreements	Yes	Fire
Studies/Reports/Maps		
Hazard Analysis/Risk Assessment (Local)	Polk County	N/A
Hazard Analysis/Risk Assessment (County)	N/A	
Flood Insurance Maps	Being Updated through Risk MAP	
FEMA Flood Insurance Study (Detailed)	Being Updated through Risk MAP	
Evacuation Route Map	No	
Critical Facilities Inventory	Yes	
Vulnerable Population Inventory	No	
Land Use Map	Yes	
Staff/Department		
Building Code Official	Contractor	
Building Inspector	Yes, 1	
Mapping Specialist (GIS)	Yes, City Engineer	
Engineer	Yes, 1	
Development Planner	No	
Public Works Official	Yes	
Emergency Management Coordinator	No-Polk County	
NFIP Floodplain Administrator	No	
Bomb and/or Arson Squad	No	

Capabilities	Status	Comments
Emergency Response Team	No	
Hazardous Materials Expert	No	
Local Emergency Planning Committee	No-Polk County	
County Emergency Management Commission	Yes-Polk County	
Sanitation Department	Contractor	
Transportation Department	No-Public Works	
Economic Development Department	No	
Housing Department	No	
Planning Consultant		
Regional Planning Agencies		
Historic Preservation	No	
Non-Governmental Organizations (NGOs)		
American Red Cross	No	
Salvation Army	No	
Veterans Groups	No	
Environmental Organization	No	
Homeowner Associations	No	
Neighborhood Associations	No	
Chamber of Commerce	No	
Community Organizations (Lions, Kiwanis, etc.)	Yes	
Local Funding Availability		
Ability to apply for Community Development Block Grants	Yes	
Ability to fund projects through Capital Improvements funding	No	
Authority to levy taxes for a specific purpose	Yes	
Fees for water, sewer, gas, or electric services	Yes	
Impact fees for new development	Yes	
Ability to incur dept through general obligation bonds	Yes	
Ability to incur debt through special tax bonds	Yes	
Ability to incur debt through private activities	Yes	
Ability to withhold spending in hazard prone areas	No	

Source: Data Collection Guide, 2013

2.2.9 City of Grimes

The City of Grimes is a small city in west-central Polk County. It is governed by a Mayor, a City Administrator and 5-member Council. It had a 2010 population of 8,246, up 38 percent from the 2000 population of 5,098.

Mitigation Initiatives/Capabilities

Specific initiatives/capabilities are discussed below as well as in **Table 2.14** that follows:

- Fire Department provides annual fire prevention training.
- The City has three outdoor warning sirens which are activated by Polk County Dispatch.

Table 2.14. Grimes Mitigation Capabilities

Capabilities	Status	Comments
Planning Capabilities		
Comprehensive Plan	Yes	http://www.grimesiowa.gov/
Builder's Plan	N/A	
Capital Improvement Plan	Yes	http://www.grimesiowa.gov/
Local Emergency Plan	Yes	Polk County Emergency management
County Emergency Plan	Yes	Polk County Emergency Management
Local Recovery Plan	N/A	
County Recovery Plan	N/A	
Local Mitigation Plan	Yes, 2009	
County Mitigation Plan	Yes, 2009	
Local Mitigation Plan (PDM)	No	
County Mitigation Plan (PDM)	No	
Economic Development Plan	Yes	
Transportation Plan	Yes	Dart
Land-use Plan	Yes	http://www.grimesiowa.gov/
Flood Mitigation Assistance (FMA) Plan	No	
Watershed Plan	Not Reported	
Firewise or other fire mitigation plan	N/A	
School Mitigation Plan	N/A	
Critical Facilities Plan (Mitigation/Response/Recovery)	N/A	
Policies/Ordinance		
Zoning Ordinance	Yes	http://www.grimesiowa.gov/
Building Code	Version:2009 IBC,IRC, IMC, UPC, NEC, IFC	
Floodplain Ordinance	Yes, Chapter 165.33	http://www.grimesiowa.gov/
Subdivision Ordinance	Yes, Chapter 166	http://www.grimesiowa.gov/
Tree Trimming Ordinance	Yes, Chapter 151	http://www.grimesiowa.gov/
Nuisance Ordinance	Yes, chapter 50	http://www.grimesiowa.gov/
Storm Water Ordinance	Yes, Chapter 102	http://www.grimesiowa.gov/
Drainage Ordinance	Yes, Chapter 102	http://www.grimesiowa.gov/
Site Plan Review Requirements	Yes, Chapter 165	http://www.grimesiowa.gov/
Historic Preservation Ordinance	N/A	
Landscape Ordinance	N/A	

Capabilities	Status	Comments
Iowa Wetlands and Riparian Areas Conservation Plan	N/A	
Debris Management Plan	N/A	
Program		
Zoning/Land Use Restrictions	N/A	
Codes Building Site/Design	N/A	
National Flood Insurance Program (NFIP) Participant - Nondelegated	Yes	
NFIP Community Rating System (CRS) Participating Community	No	
Hazard Awareness Program	Not Reported	
National Weather Service (NWS) Storm Ready	No	
Building Code Effectiveness Grading (BCEGs)	6	
ISO Fire Rating	Rating: 5	
Economic Development Program	Yes – Grimes Chamber of Economic Development	Grimesiowa.com
Land Use Program	N/A	
Public Education/Awareness	Multiple	Mediacom Channel/Grimes times/Facebook
Property Acquisition	N/A	
Planning/Zoning Boards	Yes	Volunteer
Stream Maintenance Program	N/A	
Tree Trimming Program	N/A	
Engineering Studies for Streams (Local/County/Regional)	Not Reported	
Mutual Aid Agreements	Not Reported	
Studies/Reports/Maps		
Hazard Analysis/Risk Assessment (Local)	N/A	
Hazard Analysis/Risk Assessment (County)	N/A	
Flood Insurance Maps	Being Updated through Risk MAP	
FEMA Flood Insurance Study (Detailed)	Being Updated through Risk MAP	
Evacuation Route Map	N/A	
Critical Facilities Inventory	Yes	
Vulnerable Population Inventory	N/A	
Land Use Map	Yes	
Staff/Department		
Building Code Official	Yes	1
Building Inspector	Yes	2 employees
Mapping Specialist (GIS)	Yes, Contractor	Fox Engineering
Engineer	Yes, Contractor	Fox Engineering
Development Planner	N/A	
Public Works Official	Yes	Kelley Brown
Emergency Management Coordinator	Yes	County
NFIP Floodplain Administrator	Yes	1
Bomb and/or Arson Squad	N/A	Des Moines PD

Capabilities	Status	Comments
Emergency Response Team	Yes	Grimes Fire Dept
Hazardous Materials Expert	Yes	Grimes FD with support from Des Moines Haz Mat
Local Emergency Planning Committee	Yes	Grimes Public Health and safety advisory committee
County Emergency Management Commission	Yes	Fire Chief
Sanitation Department	Yes	Waste Connections
Transportation Department	Yes	Dart
Economic Development Department	Yes	GCED
Housing Department	N/A	
Planning Consultant	Yes, various	
Regional Planning Agencies	Yes, various	
Historic Preservation	N/A	
Non-Governmental Organizations (NGOs)		
American Red Cross	Multiple	Des Moines Metro
Salvation Army	N/A	
Veterans Groups	Yes	Multiple
Environmental Organization	N/A	
Homeowner Associations	Yes	Multiple
Neighborhood Associations	N/A	
Chamber of Commerce	Yes	
Community Organizations (Lions, Kiwanis, etc.)	Yes	Multiple
Local Funding Availability		
Ability to apply for Community Development Block Grants	Yes	
Ability to fund projects through Capital Improvements funding	Yes	
Authority to levy taxes for a specific purpose	Yes	
Fees for water, sewer, gas, or electric services	Yes	Water Sewer Storm Water
Impact fees for new development	N/A	
Ability to incur dept through general obligation bonds	Yes	
Ability to incur debt through special tax bonds	N/A	
Ability to incur debt through private activities	No	
Ability to withhold spending in hazard prone areas	N/A	

Source: Data Collection Guide, 2013

2.2.10 City of Johnston

The City of Johnston is a city in west-central Polk County. It is governed by a Mayor, a City Administrator and 5-member Council. It had a 2010 population of 17,278, up nearly 50 percent from the 2000 population of 8,649.

Mitigation Initiatives/Capabilities

Specific initiatives/capabilities are discussed below as well as in **Table 2.15** that follows:

- Fire Department provides fire safety tips and home safety as part of open house and through the schools during fire prevention week.
- The City has submitted a mitigation grant request for installation of emergency standby-by generator for public safety building
- The City has eight outdoor warning sirens which are activated by Polk County Dispatch.

Table 2.15. Johnston Mitigation Capabilities

Capabilities	Status	Comments
Planning Capabilities		
Comprehensive Plan	Yes, December 6, 2010	http://cityofjohnston.com/DocumentCenter/View/40
Builder's Plan	N/A	
Capital Improvement Plan	Yes	
Local Emergency Plan	Yes	Based on the county plan with local shelter info and contacts. Available upon request
County Emergency Plan	Yes	Polk County Emergency Response Plan
Local Recovery Plan	N/A	
County Recovery Plan	N/A	
Local Mitigation Plan	Yes, 2009	
County Mitigation Plan	Yes, 2009	In process of being revised
Local Mitigation Plan (PDM)	No	
County Mitigation Plan (PDM)	No	
Economic Development Plan	Part of Comp Plan	http://cityofjohnston.com/DocumentCenter/View/40
Transportation Plan	Part of Comp Plan	http://cityofjohnston.com/DocumentCenter/View/40
Land-use Plan	Part of Comp Plan	http://cityofjohnston.com/DocumentCenter/View/40
Flood Mitigation Assistance (FMA) Plan	No	
Watershed Plan	Yes, February 1, 2010	http://www.cityofjohnston.com/documentcenter/view/95
Firewise or other fire mitigation plan	N/A	
School Mitigation Plan	N/A	
Critical Facilities Plan (Mitigation/Response/Recovery)	N/A	
Policies/Ordinance		
Zoning Ordinance	Yes, since 1970	http://cityofjohnston.com/DocumentCenter/View/296

Capabilities	Status	Comments
Building Code	Version: 2006 IBC, IMC IPC 2008 UEC	Fire Code 2009 IRC & IFC
Floodplain Ordinance	N/A	
Subdivision Ordinance	Yes since 1970	Chapter 180 of Zoning Ordinance
Tree Trimming Ordinance	N/A	
Nuisance Ordinance	Yes	Chapters 50-56 of Zoning Ordinance
Storm Water Ordinance	Yes	Chapter 145 of Zoning Ordinance
Drainage Ordinance	Yes	Chapter 102 of Zoning Ordinance
Site Plan Review Requirements	Yes	Chapter 171 of Zoning Ordinance
Historic Preservation Ordinance	No	
Landscape Ordinance	Yes	Chapter 166.32 of Zoning Ordinance
Iowa Wetlands and Riparian Areas Conservation Plan	No	
Debris Management Plan	Not Reported	
Program		
Zoning/Land Use Restrictions	Yes	Chapter 165-169 of Zoning Ordinance
Codes Building Site/Design	Yes	Chapter 155 of Zoning Ordinance
National Flood Insurance Program (NFIP) Participant - Nondelegated	Yes	
NFIP Community Rating System (CRS) Participating Community	No	
Hazard Awareness Program	Not Reported	
National Weather Service (NWS) Storm Ready	Yes	Thru Polk County
Building Code Effectiveness Grading (BCEGs)	N/A	
ISO Fire Rating	Rating 4	
Economic Development Program	Yes	
Land Use Program	Yes	
Public Education/Awareness	Yes	Thru FD Pub Ed
Property Acquisition	N/A	
Planning/Zoning Boards	Yes	
Stream Maintenance Program	N/A	
Tree Trimming Program	N/A	
Engineering Studies for Streams (Local/County/Regional)	Yes	
Mutual Aid Agreements	Yes	FD: TEAMS
Studies/Reports/Maps		
Hazard Analysis/Risk Assessment (Local)	N/A	
Hazard Analysis/Risk Assessment (County)	N/A	
Flood Insurance Maps	Being Updated through Risk MAP	
FEMA Flood Insurance Study (Detailed)	Being Updated through Risk MAP	
Evacuation Route Map	N/A	
Critical Facilities Inventory	Yes	
Vulnerable Population Inventory	Yes	
Land Use Map	Yes	see Comp Plan

Capabilities	Status	Comments
Staff/Department		
Building Code Official	Yes	
Building Inspector	Yes	
Mapping Specialist (GIS)	Yes	
Engineer	By Contract	Foth
Development Planner	Yes	
Public Works Official	Yes	1
Emergency Management Coordinator	Yes	Through Polk County EM
NFIP Floodplain Administrator	Yes	
Bomb and/or Arson Squad	Yes	Des Moines PD
Emergency Response Team	Yes	Johnston FD
Hazardous Materials Expert	Yes	Fire Department, with support from Des Moines Haz Mat Team
Local Emergency Planning Committee	N/A	
County Emergency Management Commission	Yes	Fire Chief is representative for City
Sanitation Department	N/A	
Transportation Department	N/A	
Economic Development Department	Not Reported	
Housing Department	Yes	
Planning Consultant	Yes, various	
Regional Planning Agencies	Yes, various	
Historic Preservation	No	
Non-Governmental Organizations (NGOs)		
American Red Cross	Yes	Des Moines
Salvation Army	Yes	Des Moines
Veterans Groups	Yes	
Environmental Organization	N/A	
Homeowner Associations	Several	
Neighborhood Associations	Several	
Chamber of Commerce	Yes	
Community Organizations (Lions, Kiwanis, etc.)	Lions, Rotary	
Local Funding Availability		
Ability to apply for Community Development Block Grants	N/A	
Ability to fund projects through Capital Improvements funding	Yes	
Authority to levy taxes for a specific purpose	Yes	
Fees for water, sewer, gas, or electric services	Yes	
Impact fees for new development	No	
Ability to incur dept through general obligation bonds	Yes	
Ability to incur debt through special tax bonds	No	
Ability to incur debt through private activities	No	

Capabilities	Status	Comments
Ability to withhold spending in hazard prone areas	No	

Source: Data Collection Guide, 2013

2.2.11 City of Mitchellville City

The City of Mitchellville is located in east Polk County. It had a 2010 population of 2,254, up over 23 percent from the 2000 population of 1,715. It is governed by a Mayor and 5-member Council and has the following City departments.

- City Hall
- Fire Department
- Public Works
- Library
- Police Department
- Mitchellville Utilities

Mitigation Initiatives/Capabilities

Specific initiatives/capabilities are discussed below as well as in **Table 2.16** that follows:

- The City has several programs to include Stop Drop and Roll, Smoke Detector Testing and Battery Replacement, and citizens police academy
- The City has one outdoor warning siren and it is activated by the Polk County Dispatch.
- The City also uses Code Red and Reverse 911

Table 2.16. Mitchellville Mitigation Capabilities

Capabilities	Status	Comments
Planning Capabilities		
Comprehensive Plan	Yes, April 14 2009	www.mitchellville.org/index.php/plan-process
Builder's Plan	No	
Capital Improvement Plan	Yes, 2012	www.mitchellville.org/index.php
Local Emergency Plan	No	
County Emergency Plan	Yes	Polk County EMA
Local Recovery Plan	Yes	
County Recovery Plan	Date: Yes	Polk County EMA
Local Mitigation Plan	Yes, 2009	
County Mitigation Plan	Yes, 2009	Polk County EMA
Local Mitigation Plan (PDM)	No	
County Mitigation Plan (PDM)	No	
Economic Development Plan	Yes	http://www.eprd.org/
Transportation Plan	No	MPO
Land-use Plan	Yes	http://www.mitchellville.org/images/pdf/zonem ap100207.pdf
Flood Mitigation Assistance (FMA) Plan	No	
Watershed Plan	No	
Firewise or other fire mitigation plan	No	
School Mitigation Plan	N/A	
Critical Facilities Plan (Mitigation/Response/Recovery)	No	

Capabilities	Status	Comments
Policies/Ordinance		
Zoning Ordinance	Yes	http://www.mitchellville.org/images/pdf/zonemap100207.pdf
Building Code	Yes	http://www.mitchellville.org/index.php/city-code
Floodplain Ordinance	No	
Subdivision Ordinance	N/A	
Tree Trimming Ordinance	Yes	
Nuisance Ordinance	Yes	
Storm Water Ordinance	No	
Drainage Ordinance	No	
Site Plan Review Requirements	No	
Historic Preservation Ordinance	No	
Landscape Ordinance	No	
Iowa Wetlands and Riparian Areas Conservation Plan	No	
Debris Management Plan	No	
Program		
Zoning/Land Use Restrictions	No	
Codes Building Site/Design	No	
National Flood Insurance Program (NFIP) Participant - Nondelegated	No	
NFIP Community Rating System (CRS) Participating Community		N/A
Hazard Awareness Program	No	
National Weather Service (NWS) Storm Ready	No	
Building Code Effectiveness Grading (BCEGs)	No	
ISO Fire Rating	Rating 5	
Economic Development Program	Yes	
Land Use Program	Yes	
Public Education/Awareness	No	
Property Acquisition	No	
Planning/Zoning Boards	Yes	
Stream Maintenance Program	No	
Tree Trimming Program	Yes	
Engineering Studies for Streams (Local/County/Regional)	No	
Mutual Aid Agreements	Yes	28E
Studies/Reports/Maps		
Hazard Analysis/Risk Assessment (Local)	No	
Hazard Analysis/Risk Assessment (County)	Yes	Polk County EMA
Flood Insurance Maps	Being Updated through Risk MAP	
FEMA Flood Insurance Study (Detailed)	Being Updated through Risk MAP	
Evacuation Route Map	No	

Capabilities	Status	Comments
Critical Facilities Inventory	No	
Vulnerable Population Inventory	No	
Land Use Map	Yes	http://www.mitchellville.org/images/pdf/zonemap100207.pdf
Staff/Department		
Building Code Official	Yes	Altoona
Building Inspector	Yes	Altoona
Mapping Specialist (GIS)	Yes	Polk County
Engineer	Yes	Contract
Development Planner	Yes	
Public Works Official	Yes	City of Mitchellville
Emergency Management Coordinator	Yes	1
NFIP Floodplain Administrator	No	
Bomb and/or Arson Squad	Yes	Des Moines Police contract
Emergency Response Team	No	
Hazardous Materials Expert	No	
Local Emergency Planning Committee	Yes	
County Emergency Management Commission	Yes	Polk County EMA
Sanitation Department	No	
Transportation Department	No	
Economic Development Department	No	
Housing Department	No	
Planning Consultant	Yes, various	
Regional Planning Agencies	Yes, various	
Historic Preservation	No	
Non-Governmental Organizations (NGOs)		
American Red Cross	No	
Salvation Army	No	
Veterans Groups	Yes	VFW
Environmental Organization	No	
Homeowner Associations	No	
Neighborhood Associations	No	
Chamber of Commerce	Yes	
Community Organizations (Lions, Kiwanis, etc.)	Yes	Lions
Local Funding Availability		
Ability to apply for Community Development Block Grants	Yes	
Ability to fund projects through Capital Improvements funding	Yes	
Authority to levy taxes for a specific purpose	Yes	
Fees for water, sewer, gas, or electric services	Yes	
Impact fees for new development	Yes	
Ability to incur dept through general obligation bonds	Yes	

Capabilities	Status	Comments
Ability to incur debt through special tax bonds	Yes	
Ability to incur debt through private activities	Yes	
Ability to withhold spending in hazard prone areas	Yes	

Source: Data Collection Guide, 2013

2.2.12 City of Pleasant Hill

The City of Pleasant Hill is a small city in southeast Polk County. It is governed by a Mayor, City Manager and 5-member Council. It had a 2010 population of 8,785, up 42 percent from the 2000 population of 5,070.

Mitigation Initiatives/Capabilities

Specific initiatives/capabilities are discussed below as well as in **Table 2.17** that follows:

- The Pleasant Hill Fire and Police Departments provide education on public safety issues. The Storm Water Coordinator also provides training in areas related to the environment and storm water.
- The City has installed back-up generators at their facilities including city hall, library, police station, fire station and youth center. New back-up generators have also been installed at two sanitary sewer lift stations.
- The City constructed a new culvert at 100 Sloans Way.
- The City has eight outdoor warning sirens.
- The City utilizes Reverse 911 as an additional community warning system.

Table 2.17. Pleasant Hill Mitigation Capabilities

Capabilities	Status	Comments
Planning Capabilities		
Comprehensive Plan	Yes, 2005	Yes, on City's Website
Builder's Plan	No	
Capital Improvement Plan	Yes	Updated annually
Local Emergency Plan	Yes	As part of County Wide Plan
County Emergency Plan	Yes	
Local Recovery Plan	Not Reported	
County Recovery Plan	N/A	
Local Mitigation Plan	Yes, 2009	As part of County Plan
County Mitigation Plan	Yes, 2009	
Local Mitigation Plan (PDM)	No	
County Mitigation Plan (PDM)	No	
Economic Development Plan	Yes	Eastern Polk Regional Development
Transportation Plan	Yes, September 17, 2009	Long Range Transportation Plan, On DMAMPO Website
Land-use Plan	Yes	A part of 2005 Comp Plan
Flood Mitigation Assistance (FMA) Plan	No	
Watershed Plan	Not Reported	
Firewise or other fire mitigation plan	Not Reported	
School Mitigation Plan	N/A	
Critical Facilities Plan (Mitigation/Response/Recovery)	Not Reported	

Capabilities	Status	Comments
Policies/Ordinance		
Zoning Ordinance	Yes	Ch. 165-170
Building Code	Version: 2003	Soon to update to 2012
Floodplain Ordinance	Yes	Chapter 160, City Code
Subdivision Ordinance	Yes	
Tree Trimming Ordinance	Yes	City Code, Chapter 151.03
Nuisance Ordinance	Yes	Chapter 50
Storm Water Ordinance	Yes	Ch. 102: Construction Site Erosion and Sediment Control and Post Construction storm water Management; Ch. 101: Illicit discharge to storm sewer systemic. 104: stream buffer protection and management
Drainage Ordinance	Not Reported	
Site Plan Review Requirements	Yes	Ch. 171: Zoning Ordinance Site Plans
Historic Preservation Ordinance	N/A	
Landscape Ordinance	Yes	Ch. 168: Zoning Ordinance Open Space and Landscaping Requirements
Iowa Wetlands and Riparian Areas Conservation Plan	Yes	Ch. 104: Stream Buffer Protection and Management
Debris Management Plan	Not Reported	
Program		
Zoning/Land Use Restrictions	Yes	
Codes Building Site/Design	Yes	
National Flood Insurance Program (NFIP) Participant - Nondelegated	Yes	
NFIP Community Rating System (CRS) Participating Community	No	
Hazard Awareness Program	Not Reported	
National Weather Service (NWS) Storm Ready	Yes	Polk County
Building Code Effectiveness Grading (BCEGs)	Not Reported	
ISO Fire Rating	Rating: 3	
Economic Development Program	Not Reported	
Land Use Program	Not Reported	
Public Education/Awareness	Yes	Fire, Police, Storm Water
Property Acquisition	Not Reported	
Planning/Zoning Boards	Yes	City Council, Planning & Zoning Commission, Board of Adjustment, Parks and Recreation Commission
Stream Maintenance Program	No	
Tree Trimming Program	Yes	
Engineering Studies for Streams (Local/County/Regional)	Yes	Four Mile Creek Watershed Study, on Four Mile Creek Watershed website
Mutual Aid Agreements	Not Reported	

Capabilities	Status	Comments
Studies/Reports/Maps		
Hazard Analysis/Risk Assessment (Local)	Currently Being Updated	
Hazard Analysis/Risk Assessment (County)	Currently Being Updated	
Flood Insurance Maps	Currently Being Updated as part of Risk MAP	
FEMA Flood Insurance Study (Detailed)	Currently Being Updated as part of Risk MAP	
Evacuation Route Map	Not Reported	
Critical Facilities Inventory	Yes	
Vulnerable Population Inventory	Not Reported	
Land Use Map	Yes	
Staff/Department		
Building Code Official	Yes	1
Building Inspector	Yes	2
Mapping Specialist (GIS)	Yes	1
Engineer	On Contract	Snyder & Associates
Development Planner	Yes	1
Public Works Official	Yes	1
Emergency Management Coordinator	County	
NFIP Floodplain Administrator	Yes	1
Bomb and/or Arson Squad	Not Reported	
Emergency Response Team	Not Reported	
Hazardous Materials Expert	Not Reported	
Local Emergency Planning Committee	Not Reported	
County Emergency Management Commission	Yes	
Sanitation Department	Yes	Public Works Department
Transportation Department	Yes	DMAMPO
Economic Development Department	Yes	1
Housing Department	No	
Planning Consultant	Yes, various	
Regional Planning Agencies	Yes, various	
Historic Preservation	N/A	

Capabilities	Status	Comments
Non-Governmental Organizations (NGOs)		
American Red Cross	No	
Salvation Army	No	
Veterans Groups	No	
Environmental Organization	No	
Homeowner Associations	Yes	
Neighborhood Associations	Yes	
Chamber of Commerce	Yes	
Community Organizations (Lions, Kiwanis, etc.)	Yes	
Local Funding Availability		
Ability to apply for Community Development Block Grants	No	
Ability to fund projects through Capital Improvements funding	Yes	
Authority to levy taxes for a specific purpose	Yes	
Fees for water, sewer, gas, or electric services	Yes	
Impact fees for new development	Yes	
Ability to incur dept through general obligation bonds	Yes	
Ability to incur debt through special tax bonds	Yes	
Ability to incur debt through private activities	Yes	
Ability to withhold spending in hazard prone areas	Yes	

Source: Data Collection Guide, 2013

2.2.13 City of Polk City

The City of Polk City is a small city in the northwest corner of Polk County. It is governed by a Mayor and 5-member Council. The 2010 population of the city was 3,418, up 31 percent from the 2000 population of 2,344.

Mitigation Initiatives/Capabilities

Specific initiatives/capabilities are discussed below as well as in **Table 2.18** that follows:

- The City has one outdoor warning siren.

Table 2.18. Polk City Mitigation Capabilities

Capabilities	Status	Comments
Planning Capabilities		
Comprehensive Plan	Yes, 2001 Updated 2007	
Builder's Plan	No	
Capital Improvement Plan	2011	
Local Emergency Plan	Not Reported	
County Emergency Plan	Not Reported	
Local Recovery Plan	Not Reported	
County Recovery Plan	Not Reported	
Local Mitigation Plan	Yes, 2009	Part of County
County Mitigation Plan	Yes, 2009	
Local Mitigation Plan (PDM)	No	
County Mitigation Plan (PDM)	No	
Economic Development Plan	Not Reported	
Transportation Plan	Not Reported	
Land-use Plan	Part of Comp Plan	2007
Flood Mitigation Assistance (FMA) Plan	No	
Watershed Plan	Not Reported	
Firewise or other fire mitigation plan	Not Reported	
School Mitigation Plan	N/A	
Critical Facilities Plan (Mitigation/Response/Recovery)	Not Reported	
Policies/Ordinance		
Zoning Ordinance	Yes	
Building Code	IBC-2006	
Floodplain Ordinance	N/A	
Subdivision Ordinance	Yes	
Tree Trimming Ordinance	Yes	Sidewalk
Nuisance Ordinance	Yes	
Storm Water Ordinance	Not Reported	
Drainage Ordinance	Yes	
Site Plan Review Requirements	Yes	
Historic Preservation Ordinance	Yes	
Landscape Ordinance	Not Reported	
Iowa Wetlands and Riparian Areas Conservation Plan	Not Reported	

Capabilities	Status	Comments
Debris Management Plan Program	Not Reported	
Zoning/Land Use Restrictions	Yes	
Codes Building Site/Design	Yes	
National Flood Insurance Program (NFIP) Participant - Nondelegated	Yes	
NFIP Community Rating System (CRS) Participating Community	No	
Hazard Awareness Program	Not Reported	
National Weather Service (NWS) Storm Ready	Yes	
Building Code Effectiveness Grading (BCEGs)	Not Reported	
ISO Fire Rating	4	Aug-13
Economic Development Program	Not Reported	
Land Use Program	Yes	
Public Education/Awareness	Not Reported	
Property Acquisition	Not Reported	
Planning/Zoning Boards	Yes	
Stream Maintenance Program	Not Reported	
Tree Trimming Program	Not Reported	
Engineering Studies for Streams (Local/County/Regional)	Yes	
Mutual Aid Agreements	Not Reported	
Studies/Reports/Maps		
Hazard Analysis/Risk Assessment (Local)	Currently Being Updated	
Hazard Analysis/Risk Assessment (County)	Currently Being Updated	
Flood Insurance Maps	Currently Being Updated as part of Risk MAP	
FEMA Flood Insurance Study (Detailed)	Currently Being Updated as part of Risk MAP	
Evacuation Route Map	Not Reported	
Critical Facilities Inventory	Currently Being Updated	
Vulnerable Population Inventory	Not Reported	
Land Use Map	Yes	
Staff/Department		
Building Code Official	Yes	Independent Contractor
Building Inspector	Yes	
Mapping Specialist (GIS)	Yes	
Engineer	Yes	
Development Planner	No	
Public Works Official	Yes	
Emergency Management Coordinator	County	
NFIP Floodplain Administrator	Not Reported	
Bomb and/or Arson Squad	Yes	Des Moines
Emergency Response Team	Yes	Des Moines
Hazardous Materials Expert	Not Reported	

Capabilities	Status	Comments
Local Emergency Planning Committee	Yes	
County Emergency Management Commission	Yes	
Sanitation Department	No	
Transportation Department		
Economic Development Department	No	
Housing Department	No	
Planning Consultant	Yes, various	
Regional Planning Agencies	Yes, various	
Historic Preservation	Yes	
Non-Governmental Organizations (NGOs)		
American Red Cross	Not Reported	
Salvation Army	Not Reported	
Veterans Groups	Not Reported	
Environmental Organization	Not Reported	
Homeowner Associations	Not Reported	
Neighborhood Associations	Yes	
Chamber of Commerce	Yes	
Community Organizations (Lions, Kiwanis, etc.)	Yes	
Local Funding Availability		
Ability to apply for Community Development Block Grants	Yes	
Ability to fund projects through Capital Improvements funding	Yes	
Authority to levy taxes for a specific purpose	Yes	
Fees for water, sewer, gas, or electric services	Yes	
Impact fees for new development	Yes	
Ability to incur dept through general obligation bonds	Yes	
Ability to incur debt through special tax bonds	Yes	
Ability to incur debt through private activities	Yes	
Ability to withhold spending in hazard prone areas	Not Reported	

Source: Data Collection Guide, 2013

2.2.14 City of Runnells

The City of Runnells is a small city in southeast Polk County. It is governed by a Mayor and 5-member Council. It had a 2010 population of 507, up 14 percent from the 2000 population of 352.

Mitigation Initiatives/Capabilities

Specific initiatives/capabilities are discussed below as well as in **Table 2.19** that follows:

- The City has one outdoor warning siren.

Table 2.19. Runnells Mitigation Capabilities

Capabilities	Comments
Planning Capabilities	
Comprehensive Plan	Yes-In Progress
Builder's Plan	Yes-In Progress
Capital Improvement Plan	No
Local Emergency Plan	No
County Emergency Plan	through Polk County
Local Recovery Plan	No
County Recovery Plan	through Polk County
Local Mitigation Plan	Yes, 2009
County Mitigation Plan	Yes, 2009
Local Mitigation Plan (PDM)	No
County Mitigation Plan (PDM)	No
Economic Development Plan	No
Transportation Plan	No
Land-use Plan	In progress
Flood Mitigation Assistance (FMA) Plan	No
Watershed Plan	No
Firewise or other fire mitigation plan	No
School Mitigation Plan	N/A
Critical Facilities Plan (Mitigation/Response/Recovery)	No
Policies/Ordinance	
Zoning Ordinance	In progress
Building Code	Not Reported
Floodplain Ordinance	Not Reported
Subdivision Ordinance	Not Reported
Tree Trimming Ordinance	No
Nuisance Ordinance	No
Storm Water Ordinance	No
Drainage Ordinance	No
Site Plan Review Requirements	No
Historic Preservation Ordinance	No
Landscape Ordinance	No
Iowa Wetlands and Riparian Areas Conservation Plan	No
Debris Management Plan	No

Capabilities	Comments
Program	
Zoning/Land Use Restrictions	No
Codes Building Site/Design	Not Reported
National Flood Insurance Program (NFIP) Participant - Nondelegated	
NFIP Community Rating System (CRS) Participating Community	No
Hazard Awareness Program	Not Reported
National Weather Service (NWS) Storm Ready	No
Building Code Effectiveness Grading (BCEGs)	Not Reported
ISO Fire Rating	Not Reported
Economic Development Program	through our urban renewal plan
Land Use Program	Not Reported
Public Education/Awareness	Not Reported
Property Acquisition	Not Reported
Planning/Zoning Boards	Not Reported
Stream Maintenance Program	Not Reported
Tree Trimming Program	Not Reported
Engineering Studies for Streams (Local/County/Regional)	Not Reported
Mutual Aid Agreements	Yes
Studies/Reports/Maps	
Hazard Analysis/Risk Assessment (Local)	Currently Being Updated
Hazard Analysis/Risk Assessment (County)	Currently Being Updated
Flood Insurance Maps	Being Updated through Risk MAP
FEMA Flood Insurance Study (Detailed)	Being Updated through Risk MAP
Evacuation Route Map	Not Reported
Critical Facilities Inventory	Currently Being Updated
Vulnerable Population Inventory	Not Reported
Land Use Map	Not Reported
Staff/Department	
Building Code Official	Contracted
Building Inspector	Contracted
Mapping Specialist (GIS)	No
Engineer	No
Development Planner	no
Public Works Official	yes
Emergency Management Coordinator	yes
NFIP Floodplain Administrator	no
Bomb and/or Arson Squad	no
Emergency Response Team	yes
Hazardous Materials Expert	no
Local Emergency Planning Committee	no
County Emergency Management Commission	no
Sanitation Department	no
Transportation Department	N/A
Economic Development Department	No
Housing Department	N/A
Planning Consultant	Yes, various
Regional Planning Agencies	Yes, various
Historic Preservation	N/A
Non-Governmental Organizations (NGOs)	
American Red Cross	No
Salvation Army	No

Capabilities	Comments
Veterans Groups	No
Environmental Organization	No
Homeowner Associations	No
Neighborhood Associations	No
Chamber of Commerce	No
Community Organizations (Lions, Kiwanis, etc.)	Legion/Lions/Boy Scouts/4-H/Legion Awx/Rapco/Historical
Local Funding Availability	
Ability to apply for Community Development Block Grants	No
Ability to fund projects through Capital Improvements funding	Yes
Authority to levy taxes for a specific purpose	Yes
Fees for water, sewer, gas, or electric services	Yes
Impact fees for new development	N/A
Ability to incur dept through general obligation bonds	N/A
Ability to incur debt through special tax bonds	N/A
Ability to incur debt through private activities	N/A
Ability to withhold spending in hazard prone areas	N/A

Source: Data Collection Guide, 2013

2.2.15 City of Urbandale

The City of Urbandale is the fourth largest city in Polk County. It had a 2010 population of 39,463, up over 26 percent from the 2000 population of 29,072. It is governed by a Mayor and 5-member Council and has the following city departments:

- Boards & Commissions
- Building Services
- City Manager's Office
- Community Development
- Engineering and Public Works
- Economic Development
- Finance and Records
- Fire Department
- Human Resources
- Library
- Mayor and City Council
- Parks and Recreation
- Police Department
- Water Utility

Mitigation Initiatives/Capabilities

Specific initiatives/capabilities are discussed below as well as in **Table 2.20** that follows:

- The City of Urbandale has numerous programs including fire safety checks, smoke detector replacement and battery replacement, Block Party and child birthday party appearances, Business Safety Inspections and preplan visits, emergency procedure development and planning, fire extinguisher training, Citizen Fire Academy, Kids Fire Academy, Fire Prevention Week Open House, EMS Week Open House, blood pressure checks, First Aid Training, Infant, Child, and Adult CPR & AED Training, car seat checks/installations, fire station tours, Fall & Fire Prevention for Older Adults, school, daycare, and business fire drills and safety presentations, and a Juvenile Fire Intervention Program.
- Urbandale is partnered with Des Moines Water Works to develop a conservation plan for peak usage periods.
- The City has implemented several projects to increase mitigation capabilities including purchase of fire apparatus, new fire training facility, new access road for the police department and tornado shelter construction at Walker Johnson Park. Other projects are proposed or underway are: fire station living quarters renovation, construction of new fire station, public works/parks department satellite field maintenance facility, future fire truck replacement, traffic signal preemption, several bridge projects, storm sewer projects and street improvements including interchange projects.
- The City has twelve outdoor warning sirens. Two of those are shared with Clive and are activated by WestCom dispatch center.

- Urbandale has access to Code Red and also uses twitter and text messaging alerting.
- The City recently completed a tornado safe room at Walker Johnson Park – 8900 Douglas Ave. The intended use of the shelter is for the population of the Walker Johnson Park.

Table 2.20. Urbandale Mitigation Capabilities

Capabilities	Status	Comments
Planning Capabilities		
Comprehensive Plan	Yes	Completed in 2003 – partial update in 2006. 2003 plan can be found here: http://www.urbandale.org/document_library/community_development/ComprehensivePlan2003.pdf Will email partial update document.
Builder's Plan	No	
Capital Improvement Plan	Yes	This plan is updated annually. The current one is 2013 and we are in the process of updating that CIP for 2014. It is available here: http://www.urbandale.org/document_library/financial_documents/cip/fy2013/FY2013-18_CIP_Document.pdf
Local Emergency Plan	Yes	Updated in 2013
County Emergency Plan	Yes	
Local Recovery Plan	No	
County Recovery Plan	N/A	
Local Mitigation Plan	Yes, 2009	
County Mitigation Plan	Yes, 2009	No formal plan since joining county-wide plan. Still identify mitigation projects locally.
Local Mitigation Plan (PDM)	No	
County Mitigation Plan (PDM)	No	
Economic Development Plan	Yes	2011 – The City hired a new Economic Development Director in 2013 and a new plan is under development.
Transportation Plan	Yes	2010 – This plan is adopted via the Metro Planning Organization.
Land-use Plan	Yes	This is part of our Comprehensive Plan
Flood Mitigation Assistance (FMA) Plan	No	
Watershed Plan	Yes	This is part of the storm water plan.
Firewise or other fire mitigation plan	No	
School Mitigation Plan	N/A	
Critical Facilities Plan (Mitigation/Response/Recovery)	No	
Policies/Ordinance		
Zoning Ordinance	Yes	Adopted in 1972 with periodic updates/amendments. It is available on the web: http://www.urbandale.org/document_library/community_development/ComprehensivePlan2003.pdf
Building Code	Version:2006 IBC	Ordinance is found here: http://www.urbandale.org/document_library/Ordinances/Ordinance_2007-11.pdf
Floodplain Ordinance	Yes, 2009	
Subdivision Ordinance	Yes	http://www.urbandale.org/document_library/Ordinances/Subdivision_Ordinance-Original-1999.pdf

Capabilities	Status	Comments
Tree Trimming Ordinance	Yes	This is part of the "Property Maintenance Code" found here: http://www.urbandale.org/document_library/Ordinances/Property_Maintenance_Code-1999.pdf
Nuisance Ordinance	Yes	This is part of the "Property Maintenance Code" above.
Storm Water Ordinance	Yes	Part of the 1978 Statewide Urban Design and Specification document.
Drainage Ordinance	Yes	Part of the 1978 Statewide Urban Design and Specification document.
Site Plan Review Requirements	Yes	2013 – the ordinance can be found here: http://www.urbandale.org/document_library/Ordinances/Site_Planning_Ordinance-1999.pdf
Historic Preservation Ordinance	No	
Landscape Ordinance	Yes	This is part of the zoning ordinance
Iowa Wetlands and Riparian Areas Conservation Plan	No	
Debris Management Plan	Yes	Metro Waste Plan – The specific debris management plan is under development as part of the Capital Crossroads Project.
Program		
Zoning/Land Use Restrictions	Yes	This is part of the zoning ordinance
Codes Building Site/Design	Yes	
National Flood Insurance Program (NFIP) Participant - Nondelegated	No	
NFIP Community Rating System (CRS) Participating Community	No	
Hazard Awareness Program	No	
National Weather Service (NWS) Storm Ready	Yes	Polk County holds this certification and each entity in Polk County is named
Building Code Effectiveness Grading (BCEGs)	Yes	We are presently 4 for 1 & 2 family and 3 for commercial.
ISO Fire Rating	Rating 4	
Economic Development Program	Yes	The City hired a new ED Director in April 2013. He is working on a revision to this program. There are relationships with existing businesses and marketing for new investment. Executive summary attached.
Land Use Program	Yes	This is part of the city's Comprehensive Plan"
Public Education/Awareness	Yes	We have numerous fire safety and general safety public education programs.
Property Acquisition	Yes	This is part of the CIP process and the "Park Plan"
Planning/Zoning Boards	Yes	
Stream Maintenance Program	Yes	25% of streams are evaluated every year. Projects are completed through the CIP process.
Tree Trimming Program	Yes	MidAmerican Energy program
Engineering Studies for Streams (Local/County/Regional)	Yes	City Engineer
Mutual Aid Agreements	Yes	Many agreements including participation in IMAC
Studies/Reports/Maps		
Hazard Analysis/Risk Assessment (Local)	Yes	We used to complete a City program but since moved to the county-wide approach. We still identify projects within our CIP program for Haz. Mit. Projects.

Capabilities	Status	Comments
Hazard Analysis/Risk Assessment (County)	Yes	
Flood Insurance Maps	Being Updated through Risk MAP	
FEMA Flood Insurance Study (Detailed)	Being Updated through Risk MAP	
Evacuation Route Map	No	
Critical Facilities Inventory	No	
Vulnerable Population Inventory	No	
Land Use Map	Yes	Comp Plan
Staff/Department		
Building Code Official	Yes	1
Building Inspector	Yes	This is assigned to the Building Department.
Mapping Specialist (GIS)	No	The city is in the process of hiring a GIS person. Applications are now being accepted.
Engineer	Yes	Engineering/Public Works Director
Development Planner	Yes	Community Development Director
Public Works Official	Yes	Engineering/Public Works Director
Emergency Management Coordinator	Yes	Fire Chief/Emergency Preparedness Director
NFIP Floodplain Administrator	Yes	Community Development Director
Bomb and/or Arson Squad	Yes	Via services provided by the State Fire Marshal
Emergency Response Team	Yes	Police and Fire departments for incidents, Administrative staff for operation of the City Multi-Hazard plan.
Hazardous Materials Expert	Yes	Staff is trained to the Haz Mat A&O Level. We have access to a Haz Mat Technician through mutual aid agreement with Des Moines FD.
Local Emergency Planning Committee	No	
County Emergency Management Commission	Yes	The Fire Chief is the designated representative. This includes both Dallas and Polk counties.
Sanitation Department	Yes	Engineering/Public Works Director
Transportation Department	No	
Economic Development Department	Yes	Director of Economic Development
Housing Department	Yes	Covering rental inspections (Building Dept.) but no public housing.
Planning Consultant	Yes, various	
Regional Planning Agencies	Yes, various	
Historic Preservation	No	
Non-Governmental Organizations (NGOs)		
American Red Cross	Yes	Greater Iowa Office
Salvation Army	Yes	Salvation Army – Des Moines
Veterans Groups	Yes	American Legion Post 663
Environmental Organization	No	
Homeowner Associations	Yes	There are numerous HOA in Urbandale.
Neighborhood Associations	Yes	There are numerous NA in Urbandale.
Chamber of Commerce	Yes	http://uniquelyurbandale.com/

Capabilities	Status	Comments
Community Organizations (Lions, Kiwanis, etc.)	Yes	There are numerous community organizations with Urbandale affiliations including the Lions, Kiwanis, Rotary, etc.
Local Funding Availability		
Ability to apply for Community Development Block Grants	Yes	
Ability to fund projects through Capital Improvements funding	Yes	
Authority to levy taxes for a specific purpose	Yes	
Fees for water, sewer, gas, or electric services	Yes	
Impact fees for new development	Yes	
Ability to incur dept through general obligation bonds	Yes	
Ability to incur debt through special tax bonds	Yes	
Ability to incur debt through private activities	Yes	
Ability to withhold spending in hazard prone areas	Yes	

Source: Data Collection Guide, 2013

2.2.16 City of West Des Moines

The City of West Des Moines is the second largest city in Polk County. It is governed by a Mayor, City Manager and 5-member Council. It had a 2010 population of 554, down 10 percent from the 2000 population of 617.

Mitigation Initiatives/Capabilities

Specific initiatives/capabilities are discussed below as well as in **Table 2.21** that follows:

- The City utilizes newsletters, websites, emails, and presentations to educate the public on preparedness topics.
- The City has 14 outdoor warning sirens which are activated by the E911 center or Fire Station Headquarters.
- West Des Moines has cable override, Code Red and e-mails alerting programs in place.

Table 2.21. West Des Moines Mitigation Capabilities

Capabilities	Status	Comments
Planning Capabilities		
Comprehensive Plan	Yes, 2011	
Builder's Plan	No	
Capital Improvement Plan	Yes, annual	
Local Emergency Plan	Yes, annual	
County Emergency Plan	Yes	See Polk EM
Local Recovery Plan	No	
County Recovery Plan	Yes	See Polk EM
Local Mitigation Plan	Yes, 2009	See Polk County Regional Plan
County Mitigation Plan	Yes, 2009	See Polk EM
Local Mitigation Plan (PDM)	No	
County Mitigation Plan (PDM)	No	
Economic Development Plan	Yes	On-going
Transportation Plan	NO	
Land-use Plan	Yes	On-going
Flood Mitigation Assistance (FMA) Plan	Yes, 2012	
Watershed Plan	Yes, 2012	
Firewise or other fire mitigation plan	No	
School Mitigation Plan	N/A	
Critical Facilities Plan (Mitigation/Response/Recovery)	No	Just the ID of the critical facilities
Policies/Ordinance		
Zoning Ordinance	Yes, current	
Building Code	Yes	IBC 2009
Floodplain Ordinance	Yes, current	
Subdivision Ordinance	Yes/Current	
Tree Trimming Ordinance	No	
Nuisance Ordinance	Yes, City Code	
Storm Water Ordinance	Yes, Public Works	
Drainage Ordinance	Yes, Public Works	
Site Plan Review Requirements	Yes, Ongoing	

Capabilities	Status	Comments
Historic Preservation Ordinance	Yes	
Landscape Ordinance	Yes, City Ordinance	
Iowa Wetlands and Riparian Areas Conservation Plan	No	
Debris Management Plan	Under Development	Currently being worked on-Part of County Plan
Program		
Zoning/Land Use Restrictions	Yes	
Codes Building Site/Design	Yes	
National Flood Insurance Program (NFIP) Participant - Nondelegated	Yes/PW	
NFIP Community Rating System (CRS) Participating Community	No	
Hazard Awareness Program	N/A	
National Weather Service (NWS) Storm Ready	Yes, 2012	
Building Code Effectiveness Grading (BCEGs)	No	
ISO Fire Rating	Rating 3	
Economic Development Program	Yes, ongoing	
Land Use Program	Yes, ongoing	
Public Education/Awareness	Yes, ongoing through Fire Departments	
Property Acquisition	City Codes	
Planning/Zoning Boards	Yes	
Stream Maintenance Program	Yes/PW	
Tree Trimming Program	Yes/PW	
Engineering Studies for Streams (Local/County/Regional)	Yes	
Mutual Aid Agreements	Yes	
Studies/Reports/Maps		
Hazard Analysis/Risk Assessment (Local)	Through County	
Hazard Analysis/Risk Assessment (County)	Yes/Polk County	
Flood Insurance Maps	Being Updated through Risk MAP	
FEMA Flood Insurance Study (Detailed)	Being Updated through Risk MAP	
Evacuation Route Map	Yes/Polk County	
Critical Facilities Inventory	Yes	
Vulnerable Population Inventory	Yes/County YEDs	
Land Use Map	Yes	
Staff/Department		
Building Code Official	Yes	
Building Inspector	Yes	
Mapping Specialist (GIS)	Yes	
Engineer	Yes	
Development Planner	Yes	
Public Works Official	Yes	

Capabilities	Status	Comments
Emergency Management Coordinator	Yes	
NFIP Floodplain Administrator	Yes	
Bomb and/or Arson Squad	Through State of Iowa	
Emergency Response Team	Yes	
Hazardous Materials Expert	Through DSM Team	
Local Emergency Planning Committee	Yes/County	
County Emergency Management Commission	Yes	
Sanitation Department	Subcontracted	
Transportation Department	Public Works	
Economic Development Department	Yes	
Housing Department	Yes	
Planning Consultant	Yes, various	
Regional Planning Agencies	Yes, various	
Historic Preservation	Yes	
Non-Governmental Organizations (NGOs)	Yes	
American Red Cross	Local Chapter	
Salvation Army	Local Chapter	
Veterans Groups	Local Chapters	
Environmental Organization	No	
Homeowner Associations	Yes	
Neighborhood Associations	Yes	
Chamber of Commerce	Yes	
Community Organizations (Lions, Kiwanis, etc.)	Yes	
Local Funding Availability		
Ability to apply for Community Development Block Grants	Yes	
Ability to fund projects through Capital Improvements funding	Yes	
Authority to levy taxes for a specific purpose	Yes	
Fees for water, sewer, gas, or electric services	Yes	
Impact fees for new development	Yes	
Ability to incur dept through general obligation bonds	Yes	
Ability to incur debt through special tax bonds	Yes	
Ability to incur debt through private activities	No	
Ability to withhold spending in hazard prone areas	No	

Source: Data Collection Guide, 2013

2.2.17 City of Windsor Heights

The City of Windsor Heights is located in central Polk County. It is governed by a Mayor, City Manager and 6-member Council. It had a 2010 population of 4,860, up 55 people from the 2000 population of 4,805.

Mitigation Initiatives/Capabilities

Specific initiatives/capabilities are discussed below as well as in **2.22** that follows:

- The City participates in several training programs to include crime prevention, education outreach, NIXLE, Code Red, environmental education.
- The City has one outdoor warning siren which is activated by the Polk County Dispatch.
- Windsor Height also utilizes Code Red, NIXLE and the city website for alerting and notifications.

Table 2.22. Windsor Heights Mitigation Capabilities

Capabilities	Status	Comments
Planning Capabilities		
Comprehensive Plan	Yes, August 2013	
Builder's Plan	N/A	
Capital Improvement Plan	Yes, March 2014	
Local Emergency Plan	N/A	
County Emergency Plan	N/A	
Local Recovery Plan	N/A	
County Recovery Plan	N/A	
Local Mitigation Plan	Yes, 2009	
County Mitigation Plan	Yes, 2009	
Local Mitigation Plan (PDM)	No	
County Mitigation Plan (PDM)	No	
Economic Development Plan	N/A	
Transportation Plan	N/A	
Land-use Plan	N/A	
Flood Mitigation Assistance (FMA) Plan	No	
Watershed Plan	Yes, February 2012	
Firewise or other fire mitigation plan	N/A	
School Mitigation Plan	N/A	
Critical Facilities Plan (Mitigation/Response/Recovery)	Yes	Fire Dept. SOG Manual and Policy (e-mail)
Policies/Ordinance		
Zoning Ordinance	Yes	Available online at windsorheights.org
Building Code	Yes IBC 2006	The city has adopted the 2006 International Building Codes and is in process of adopting the 2012 codes
Floodplain Ordinance	Yes, 1987	Available online
Subdivision Ordinance	Yes	Available online
Tree Trimming Ordinance	Yes	Available online
Nuisance Ordinance	Yes	Available online

Capabilities	Status	Comments
Storm Water Ordinance	Yes	Available online
Drainage Ordinance	Yes	Available online
Site Plan Review Requirements	Yes	Available in Zoning Ordinance
Historic Preservation Ordinance	No	
Landscape Ordinance	Yes	Available in Zoning Ordinance
Iowa Wetlands and Riparian Areas Conservation Plan	No	
Debris Management Plan	12/15/2013	
Program		
Zoning/Land Use Restrictions	Yes	Available Online
Codes Building Site/Design	Yes	Available Online
National Flood Insurance Program (NFIP) Participant - Nondelegated	Yes	
NFIP Community Rating System (CRS) Participating Community	No	
Hazard Awareness Program	N/A	
National Weather Service (NWS) Storm Ready	No	
Building Code Effectiveness Grading (BCEGs)	No	
ISO Fire Rating	Rating:4	
Economic Development Program	No	
Land Use Program	No	
Public Education/Awareness	Yes	
Property Acquisition	No	
Planning/Zoning Boards	Yes	
Stream Maintenance Program	Yes, December 2013	
Tree Trimming Program	Yes	
Engineering Studies for Streams (Local/County/Regional)	Yes	Visual stream study in Watershed Management Plan
Mutual Aid Agreements	Yes	
Studies/Reports/Maps		
Hazard Analysis/Risk Assessment (Local)	No	
Hazard Analysis/Risk Assessment (County)	No	
Flood Insurance Maps	Being Updated through Risk MAP	
FEMA Flood Insurance Study (Detailed)	Being Updated through Risk MAP	
Evacuation Route Map	No	
Critical Facilities Inventory	No	
Vulnerable Population Inventory	No	
Land Use Map	Yes	
Staff/Department		
Building Code Official	Yes	
Building Inspector	Yes	
Mapping Specialist (GIS)	No	
Engineer	No	
Development Planner	No	
Public Works Official	Yes	
Emergency Management Coordinator	No	
NFIP Floodplain Administrator	No	
Bomb and/or Arson Squad	Yes	
Emergency Response Team	Yes	

Capabilities	Status	Comments
Hazardous Materials Expert	No	
Local Emergency Planning Committee	No	
County Emergency Management Commission	Yes	
Sanitation Department	No	
Transportation Department	No	
Economic Development Department	No	
Housing Department	No	
Planning Consultant	Yes, various	
Regional Planning Agencies	Yes, various	
Historic Preservation	No	
Non-Governmental Organizations (NGOs)		
American Red Cross	No	
Salvation Army	No	
Veterans Groups	Yes	
Environmental Organization	Yes	
Homeowner Associations	No	
Neighborhood Associations	Yes	
Chamber of Commerce	Yes	
Community Organizations (Lions, Kiwanis, etc.)	Yes	
Local Funding Availability		
Ability to apply for Community Development Block Grants	Yes	
Ability to fund projects through Capital Improvements funding	Yes	
Authority to levy taxes for a specific purpose	Yes	
Fees for water, sewer, gas, or electric services	Yes	
Impact fees for new development	No	
Ability to incur dept through general obligation bonds	Yes	
Ability to incur debt through special tax bonds	No	
Ability to incur debt through private activities	Yes	
Ability to withhold spending in hazard prone areas	No	

Source: Data Collection Guide, 2013

2.2.18 Public School District Profiles and Mitigation Capabilities

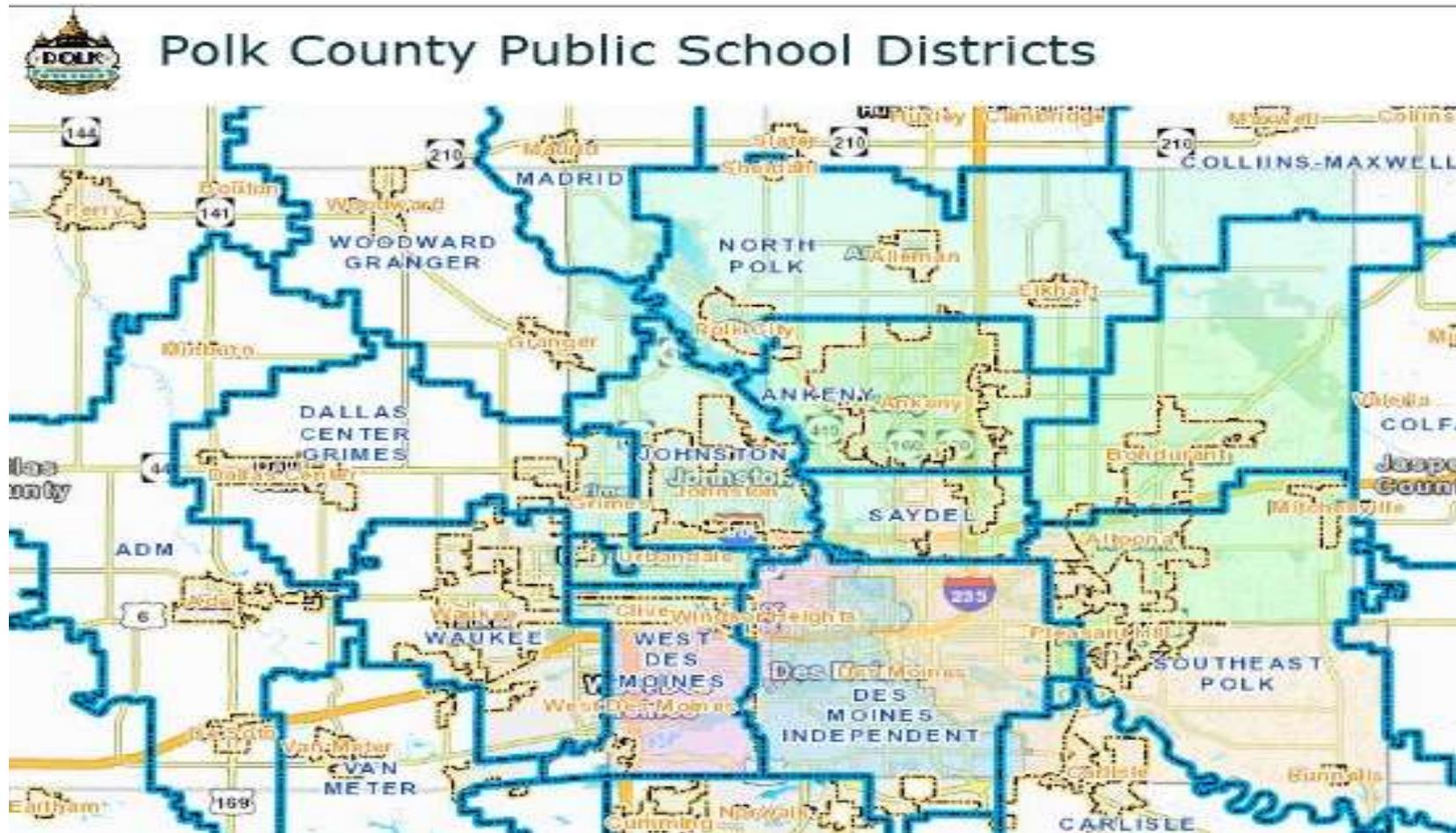
This section includes general profile information for all ten Polk County school districts. The ten school districts in the planning area are as follows.

• Ankeny 261
• Bondurant-Farrar 720
• Dallas Center-Grimes 1576
• Des Moines Independent 1737
• Johnston 3231
• North Polk 4779
• Saydel 5805
• Southeast Polk 6101
• Urbandale 6579
• West Des Moines

Nine of the ten school districts were official participants in the development of this plan update. The Saydel School District did not officially participate in the plan development as they did not meet the minimum participation requirements.

The map in **Figure 2.5** provides the boundaries of the school districts in Polk County and **Table 2.23** that follows provides location and enrollment information for each school district. For school districts that are in more than one county, the school building and enrollment data is for the portion in Polk County only.

Figure 2.5. Polk County School District Boundaries



Source: Polk County, Iowa Information Technology Department, <http://apps2.polkcountyiowa.gov/gisapp/general/general.html>

Table 2.23. Polk County School Buildings and Enrollment Data, 2012-2013

District Name	Building Name	Building Enrolment
Ankeny	Ankeny Comm School District	14
Ankeny	Ankeny High School	1,756
Ankeny	Parkview Middle School	661
Ankeny	Prairie Ridge Middle School	716
Ankeny	Northview Middle School	1,300
Ankeny	East Elementary School	361
Ankeny	Northwest Elementary School	421
Ankeny	Prairie Trail Elementary	648
Ankeny	Ashland Ridge Elementary	665
Ankeny	Southeast Elementary School	653
Ankeny	Terrace Elementary School	350
Ankeny	Westwood Elementary School	663
Ankeny	Northeast Elementary	628
Ankeny	Crocker Elementary School	650
Ankeny Total		9,486
Bondurant-Farrar	Bondurant-Farrar High School	398
Bondurant-Farrar	Bondurant – Farrar Middle School	456
Bondurant-Farrar	Anderson Elementary School	757
Bondurant-Farrar Total		1,611
Dallas Center-Grimes	South Prairie Elementary	552
Dallas Center-Grimes	Brighter Beginnings Preschool	35
Dallas Center-Grimes Total		587
Note: Dallas Center-Grimes Schools has 4 additional schools in Dallas County and a combined total enrolment of 2,435.		
Des Moines Independent	Des Moines Independent Comm School District	363
Des Moines Independent	East High School	2,292
Des Moines Independent	Hoover High School	1,029
Des Moines Independent	Lincoln High School	2,146
Des Moines Independent	North High School	1,186
Des Moines Independent	Roosevelt High School	1,661
Des Moines Independent	Gateway Secondary School	171
Des Moines Independent	Scavo Alternative High School	305
Des Moines Independent	Brody Middle School	702
Des Moines Independent	Callanan Middle School	626
Des Moines Independent	Goodrell Middle School	591
Des Moines Independent	Harding Middle School	619
Des Moines Independent	Hiatt Middle School	634
Des Moines Independent	Hoyt Middle School	518
Des Moines Independent	McCombs Middle School	664
Des Moines Independent	Meredith Middle School	666
Des Moines Independent	Merrill Middle School	658
Des Moines Independent	Weeks Middle School	689
Des Moines Independent	Capitol View Elementary School	585
Des Moines Independent	Carver Elementary	695
Des Moines Independent	Cattell Elementary School	408
Des Moines Independent	Cowles Elementary School	393
Des Moines Independent	Edmunds Fine Arts Academy	287
Des Moines Independent	Findley Elementary School	343
Des Moines Independent	Garton Elementary	564
Des Moines Independent	Greenwood Elementary School	446
Des Moines Independent	Hanawalt Elementary	352
Des Moines Independent	Hillis Elementary School	483
Des Moines Independent	Howe Elementary	297
Des Moines Independent	Hubbell Elementary	455
Des Moines Independent	Jackson Elementary School	413
Des Moines Independent	Jefferson Elementary School	432

District Name	Building Name	Building Enrolment
Des Moines Independent	King Elementary School	335
Des Moines Independent	Lovejoy Elementary School	332
Des Moines Independent	Madison Elementary School	409
Des Moines Independent	McKee Elementary School	207
Des Moines Independent	McKinley Elementary School	333
Des Moines Independent	Mitchell Early Childhood Center	384
Des Moines Independent	Monroe Elementary School	533
Des Moines Independent	Moulton Elementary School	471
Des Moines Independent	Brubaker Elementary School	672
Des Moines Independent	Oak Park	399
Des Moines Independent	Park Ave Elementary School	472
Des Moines Independent	Perkins Elementary School	438
Des Moines Independent	Phillips Elementary	404
Des Moines Independent	Pleasant Hill Elementary School	312
Des Moines Independent	River Woods Elementary School	538
Des Moines Independent	Samuelson Elementary School	526
Des Moines Independent	Christ the King	34
Des Moines Independent	Hispanic Educational Resource Center	20
Des Moines Independent	Holy Family	19
Des Moines Independent	Holy Trinity	40
Des Moines Independent	Smouse Opportunity School	152
Des Moines Independent	Oakridge	17
Des Moines Independent	South Union Elementary School	571
Des Moines Independent	St. Anthony's	38
Des Moines Independent	Stowe Elementary School	362
Des Moines Independent	St. Augustine's	29
Des Moines Independent	Studebaker Elementary School	447
Des Moines Independent	St. Joseph's	38
Des Moines Independent	St. Theresa	36
Des Moines Independent	Science Center of Iowa	63
Des Moines Independent	Westminster Preschool	40
Des Moines Independent	Grace Methodist Preschool	60
Des Moines Independent	Morris Elementary School	617
Des Moines Independent	Willard Elementary School	454
Des Moines Independent	Windsor Elementary	425
Des Moines Independent	Woodlawn Early Childhood Center	252
Des Moines Independent	Wright Elementary School	271
Des Moines Independent	Downtown School	274
Des Moines Independent	Orchard Place School	98
Des Moines Independent	Walnut Street School	312
Des Moines Independent	Ruby Van Meter School	171
Des Moines Independent Total		33,278
Johnston	Johnston Senior High School	1,355
Johnston	Summit Middle School	1,012
Johnston	Johnston Middle School	987
Johnston	Henry A Wallace Elementary School	511
Johnston	Beaver Creek Elem School	766
Johnston	Lawson Elementary School	613
Johnston	Horizon Elementary	727
Johnston	Timber Ridge Elementary	505
Johnston	America's Children of Oakmoor	40
Johnston	Apple Tree Children's Centers	20
Johnston	Westside Early Education	34
Johnston Total		6,570
North Polk	North Polk High School	365
North Polk	North Polk Middle School	189
North Polk	North Polk Central Elementary School	388
North Polk	North Polk West Elementary School	478
North Polk	Beautiful Beginnings Preschool	18
North Polk Total		1,438

Polk County, Iowa

Multi-jurisdictional Hazard Mitigation Plan
Effective July 2014

District Name	Building Name	Building Enrolment
Saydel	Saydel High School	467
Saydel	Woodside Middle School	404
Saydel	Cornell Elementary School	502
Saydel Total		1,373
Southeast Polk	Southeast Polk High School	1,919
Southeast Polk	Southeast Polk Junior High School	976
Southeast Polk	Altoona Elementary School	386
Southeast Polk	Centennial Elementary School	468
Southeast Polk	Delaware Elementary School	567
Southeast Polk	Four Mile Elementary School	503
Southeast Polk	Mitchellville Elementary School	176
Southeast Polk	Runnells Elementary School	233
Southeast Polk	Spring Creek - 6th Grade	529
Southeast Polk	Willowbrook Elementary School	526
Southeast Polk	Clay Elementary	452
Southeast Polk Total		6,735
Urbandale	Urbandale High School	1,231
Urbandale	Urbandale Middle School	877
Urbandale	Jensen Elementary School	222
Urbandale	Karen Acres Elementary School	186
Urbandale	Olmsted Elementary School	462
Urbandale	Rolling Green Elementary School	282
Urbandale	Valerius Elementary School	246
Urbandale	Webster Elementary School	554
Urbandale	Apple Tree Children's Ctr	14
Urbandale	St. Pius X Preschool	25
Urbandale Total		4,099
West Des Moines	Valley High School	1,947
West Des Moines	Walnut Creek Campus	179
West Des Moines	Valley Southwoods	714
West Des Moines	Indian Hills Junior High School	661
West Des Moines	Stilwell Junior High School	699
West Des Moines	Clive Elementary	547
West Des Moines	Crestview Elementary School	533
West Des Moines	Crossroads Park Elementary School	559
West Des Moines	Fairmeadows Elementary School	546
West Des Moines	Hillside Elementary School	573
West Des Moines	Jordan Creek Elementary School	720
West Des Moines	Phenix Elementary Early Childhood Center	182
West Des Moines	Western Hills Elementary School	594
West Des Moines	Westridge Elementary	640
West Des Moines	St. Timothy's Preschool	36
West Des Moines	Apple Tree - Grand Preschool	21
West Des Moines	Apple Tree - Ashworth Preschool	19
West Des Moines	Olivet Christian Preschool	40
West Des Moines	Sacred Heart Preschool	40
West Des Moines	WDSM Methodist Preschool	39
West Des Moines Total		9,289
Total		74,466

Source: Iowa Department of Education,

http://educateiowa.gov/index.php?option=com_content&view=article&id=346&Itemid=4439

Potential capabilities to implement mitigation programs and projects can vary among school districts. To determine mitigation capabilities, each of the eight participating school districts completed a Data Collection Guide to report planning, personnel, fiscal, and other capabilities related to implementation of mitigation programs and projects. **Table 2.24** and **Table 2.25** provide a summary of the reported capabilities for each participating school district.

Table 2.24. Summary of Mitigation Capabilities-Ankeny, Bondurant Farrar, Dallas Center-Grimes, Des Moines, and Johnston

Capability	Ankeny 261	Bondurant-Farrar 720	Dallas Center- Grimes 1576	Des Moines Independent 1737	Johnston 3231
Planning Elements					
Master Plan	Yes, August 2013	Yes, 2012-2013 School Year	Yes	Yes, 08/2011 Completed By The COO And Board Every 5 Yrs. It Contains Our Construction Schedule	Yes, June 2013
Capital Improvement Plan	Yes, April 2013- Certified Budget	Yes	Yes	Yes, 08/2011, This Is Created Every 5 Years	Yes, May 2013
School Emergency Plan	Yes, 2012-13	Yes, Updated Annually	Yes	Yes, 11/2010	Yes, June 2013
Weapons Policy	Yes	Yes	Yes	Yes, 05/2012	Yes, September 2011
Personnel Resources					
Full-Time Building Official (E.G., Principal)	Yes, Administration	Yes, Principals In Each Building	Yes	Yes, Principal	Yes, Director Of Business
Emergency Manager	Yes, Safety Manager	Yes, All Custodians, Nurses, Directors, Etc.	Yes	Yes, Pam Rosa, Safety Compliance Specialist	No
Grant Writer	No	No	No	Yes, Casaundra Christensen/HR	No
Public Information Officer	Yes, PR Coordinator	Yes, Superintendent Of Schools	N/A	Yes, Phil Roeder-HR	Yes, Communications Department
Financial Resources					
Capital Improvements Project Funding	Not Reported	Yes	Yes	Yes, State Wide Penny, And PPEL	Yes
Local Funds	Yes, Per Iowa Code	Yes	Yes	Yes, Varies	No
General Obligation Bonds	Yes, Per Iowa Code	Yes	Yes	Yes	No
Special Tax Bonds	Yes, Per Iowa Code	Yes	No	No	No
Private Activities/Donations	Yes, Per Iowa Code	Yes	No	Yes	Yes
State And Federal Funds	Yes, Per Iowa Code	Yes	No	Yes, COPS Grant, Fire Life Safety Grant, Harkin Construction Grant	No
Other					
Public Education Programs	Not Reported	Public Education Programs Integrated Within K-12 Curriculum	Not Reported	Iowa Energy And Sustainability Academy	The School District Works With The Fire Department On Fires Safety Education At Each Building

Capability	Ankeny 261	Bondurant-Farrar 720	Dallas Center- Grimes 1576	Des Moines Independent 1737	Johnston 3231
Privately Or Self-Insured?	Privately Insured - EMC Safety Group Program	Privately Insured	Self-Insured	Both, Self-Insured To 100,00 Privately After That	Privately Insured
Fire Evacuation Training	Yes, Fire Drills Monthly	Yes, Two Drills Per Semester	Yes-As required by State Of Iowa	Monthly Fire Drills	Yes, Twice Per Semester
Tornado Sheltering Exercises	Yes, Tornado Drill Twice A Semester	Yes, Two Drills Per Semester	Yes	Every Semester For Tornado	Yes, Twice Per Semester
Public Address/Emergency Alert System	Local PA, Parent Email, Blackboard Connect, Motorola XPR 6580s With Repeater	Yes, Klaxon And Flashing Lights For Fire, Evacuation, and Tornado If Necessary. Public Address And Bull Horns As Necessary For Tornado Or Lock-Down Situations	Yes	PA System And Handheld Radios For Staff	Yes, Each Building Has A Building Intercom As Well As A Tone Alert System
NOAA Weather Radios	Yes	Yes, Some	Yes	Yes	Yes
Lock-Down Security Training	Yes	Yes	Yes	Monthly Lock-Down Drills Started This Year. Additional Training Is In Progress	Yes
Mitigation Programs	Researching Safe Rooms	2 FEMA-Funded Saferooms On Campus- One At Middle School And One At High School	Not Reported	None. We Do Have Technology Infrastructure Redundancy	Developing Plan For Possible Construction Of Saferooms
Tornado Shelter/Saferoom	All Buildings Have Tornado Shelter Areas. We Have One Building With A Safe Room, But Has Not Been Labeled A FEMA Approved Safe Room	2 FEMA-Funded Saferooms On Campus- One At Middle School And One At High School	None	Yes, But Not To FEMA Standards	No
Campus Police	Four Armed Security Officers	Regular Patrols By Polk County Sheriff's Dept And School Resource Officer From Sheriff's Department Is In School Buildings Every Day.	No	Security Department Who Monitors Cameras And Properties	Two School Resource Police Officers That Are Joint Employees Of The School District And City Of Johnston

Table 2.25. Summary of Mitigation Capabilities—North Polk, Southeast Polk, Urbandale, and West Des Moines

Capability	North Polk 4779	Southeast Polk 6101	Urbandale 6579	West Des Moines
Planning Elements				
Master Plan	No	Yes	Yes, 2012	Yes, 26-Mar-10
Capital Improvement Plan	Yes, 2013 New Construction	Yes	No, Working off of a Facilities Plan	Yes, 26-Mar-10
School Emergency Plan	Yes, Board Policy	Yes	Yes, Each school has its own	
Weapons Policy	Yes	Yes	Yes, Board Policy	Yes, Apr-12
Personnel Resources				
Full-time building official (e.g., principal)	Yes, Admin/Director of Buildings and Grounds	Yes	Yes, Principals	Yes, Principal
Emergency Manager	No	Yes	Yes, This is duty assigned to the Superintendent	Yes, Assistant Principal
Grant Writer	No	Yes	N/A	
Public Information Officer	No	Yes	Yes, Private Contractor	Yes, School Comm. Relations
Financial Resources		Accessible/Eligible to Use Y/N		
Capital Improvements project funding	Yes, PPEL fund	No	Physical Plant and Equipment Levy (Y)	Yes
Local funds	Yes, SILO funds	Yes	Sales Tax levy (Y)	No
General obligation bonds	Yes, Used for High School	No	No	No
Special tax bonds	No	No	No	No
Private activities/donations	Yes, Foundation & Gala	Yes	No	No
State and federal funds	Yes	Yes	No	Yes
Other				
Public Education Programs		Not Reported	No	Class course @ valley high school AP Environmental Science
Privately or self-insured?	Privately insured through EMC	Self-Insured	Insured by EMC	Privately Insured
Fire evacuation training	Fire drills are conducted quarterly	Yes, quarterly	Yes, One per semester	Conduct both Fire and tornado drills according to code of Iowa 100.21 (Four Fire and Four Tornado) drills per year
Tornado sheltering Exercises	Tornado drills are monthly during the season	Yes, quarterly	Yes, One per semester	Conduct both Fire and tornado drills according to code of Iowa 100.21 (Four Fire and Four Tornado) drills per year
Public Address/Emergency Alert System	All buildings have a public address system and maintain an active NOAA alert radio	Yes, phone alert	Yes, Each building is equipped with a PA system, as well as fire alarm	We have PA systems in all but 3 of our buildings. These buildings do not on a regular basis house students Also have lockdown alert systems
NOAA Weather Radios	Yes	Yes	Some are but not all	Yes

Capability	North Polk 4779	Southeast Polk 6101	Urbandale 6579	West Des Moines
Lock-down security training	Drill is conducted yearly	Yes	Yes	Yes
Mitigation Programs		Not Reported	No	Constructed a 2300 person FEMA shelter at valley high school
Tornado Shelter/Saferoom	All buildings have designated tornado shelters. None are considered saferooms by FEMA standards	Buildings have designated shelter areas, but they are not constructed in accordance with FEMA standards	No	Yes Valley high school 2300 person saferoom Constructed according to FEMA standards
Campus Police	The main campus in Alleman has a full time SRO who is a Polk County Sheriff. The building in Polk City uses the Polk City Police Department for security	Combination of security, police, and sheriff deputies	Urbandale High School has an Urbandale Police Officer as a School Resource Office. We rely upon Urbandale Police for some security, we contract private security for events and we have school employee that checks buildings on weekends and holidays	We do not have own campus police on a day to day basis we contract w/ security contractor. Local police dept

Source: Data Collection Guides, 2013