# 2 PLANNING AREA PROFILE AND CAPABILITIES

**2 Planning Area Profile and Capabilities ..... 1**

*2.1 Polk County Planning Area Profile ..... 2*
2.1.1 Geography, Geology and Topography ..... 4
2.1.2 Climate ..... 6
2.1.3 Population/Demographics ..... 6
2.1.4 History ..... 9
2.1.5 Occupations ..... 10
2.1.6 Agriculture ..... 11
2.1.7 FEMA Hazard Mitigation Assistance Grants in Planning Area ..... 11

*2.2 Jurisdictional Profiles and Mitigation Capabilities ..... 13*
2.2.1 Unincorporated Polk County ..... 13
2.2.2 City of Alleman ..... 17
2.2.3 City of Altoona ..... 20
2.2.4 City of Ankeny ..... 23
2.2.5 City of Bondurant ..... 27
2.2.6 City of Clive ..... 30
2.2.7 City of Des Moines ..... 33
2.2.8 City of Elkhart ..... 37
2.2.9 City of Grimes ..... 40
2.2.10 City of Johnston ..... 43
2.2.11 City of Mitchellville City ..... 47
2.2.12 City of Pleasant Hill ..... 51
2.2.13 City of Polk City ..... 55
2.2.14 City of Runnells ..... 58
2.2.15 City of Urbandale ..... 61
2.2.16 City of West Des Moines ..... 66
2.2.17 City of Windsor Heights ..... 69
2.2.18 Des Moines Water Works ..... 72
2.2.19 Public School District Profiles and Mitigation Capabilities ..... 73

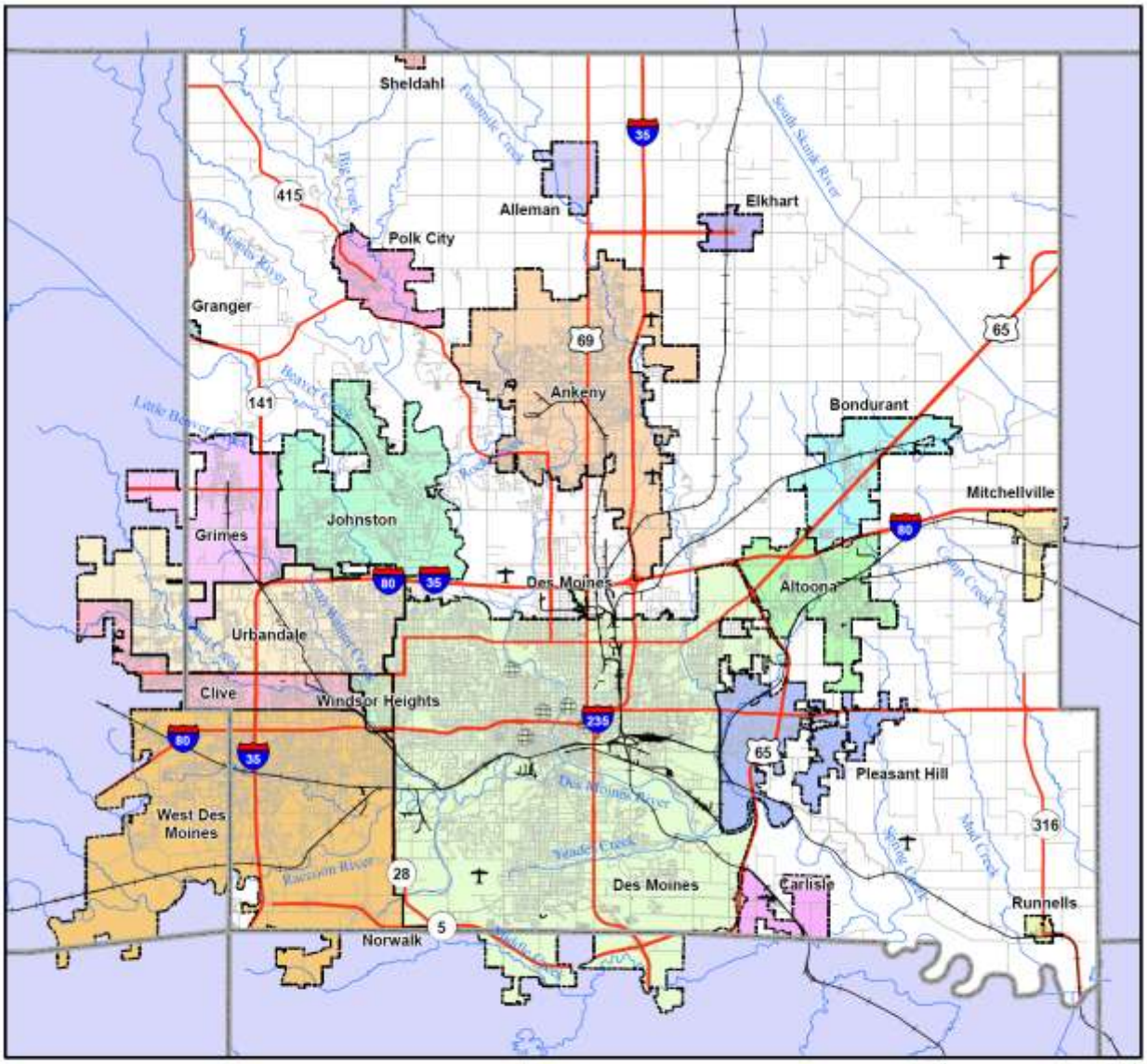
This chapter provides a general profile of Polk County followed by individual sections for each participating jurisdiction. The sections for each jurisdiction provide an overview profile as well as details on existing capabilities, plans, and programs that enhance their ability to implement mitigation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

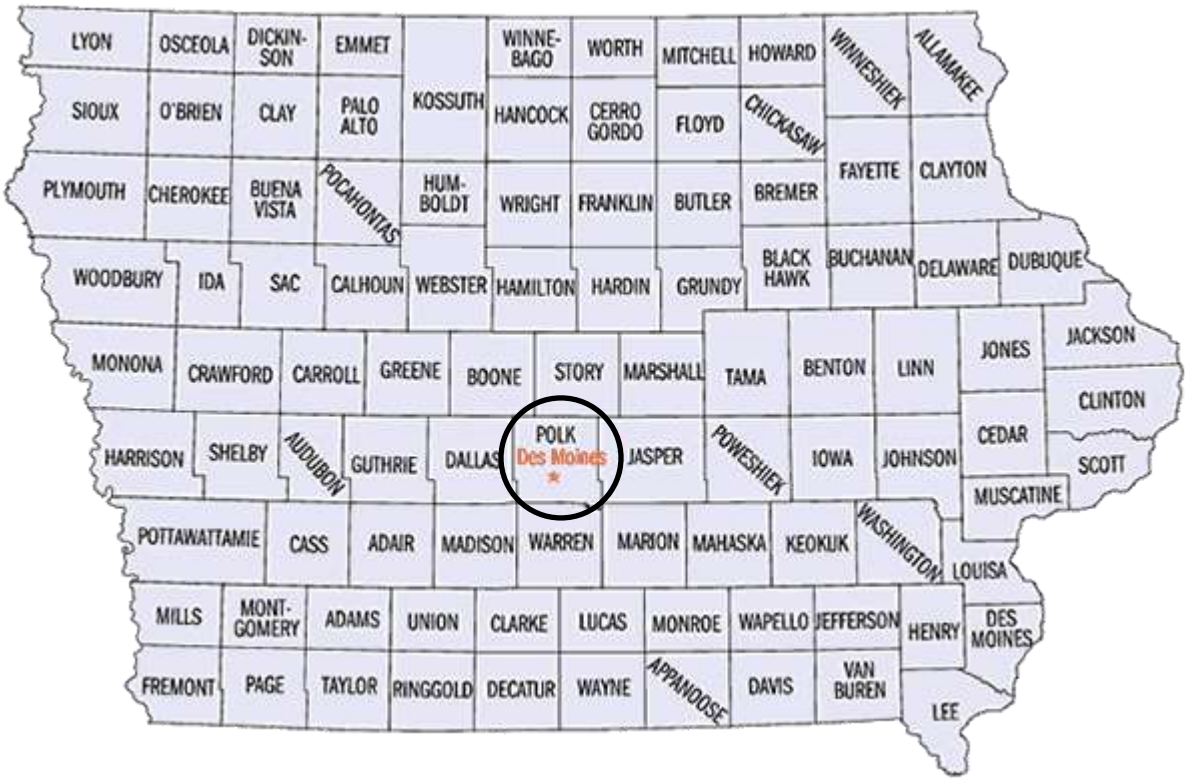
## Figure 2.1. Polk County Planning Area



## 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:

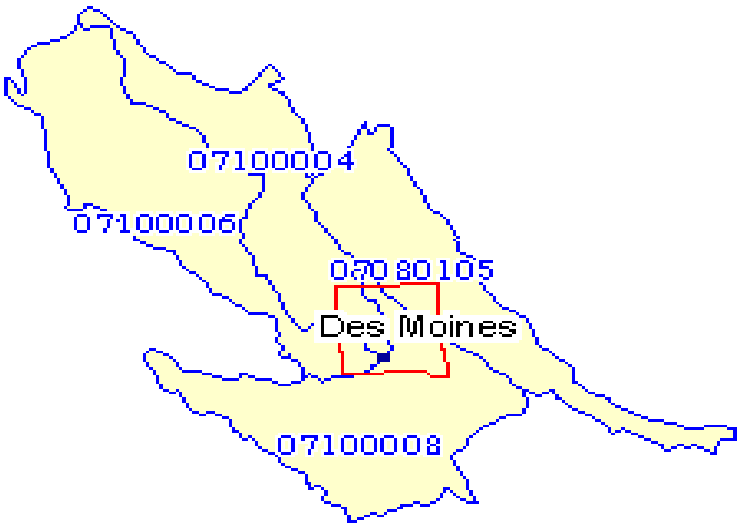
1) 07080105 South Skunk
   - Elkhart
   - Mitchellville
   - Unincorporated Polk County
2) 07100006 North Raccoon

- 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)**




Source: Environmental Protection Agency, http://cfpub.epa.gov/surf/county.cfm?fips_code=19153

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%** |

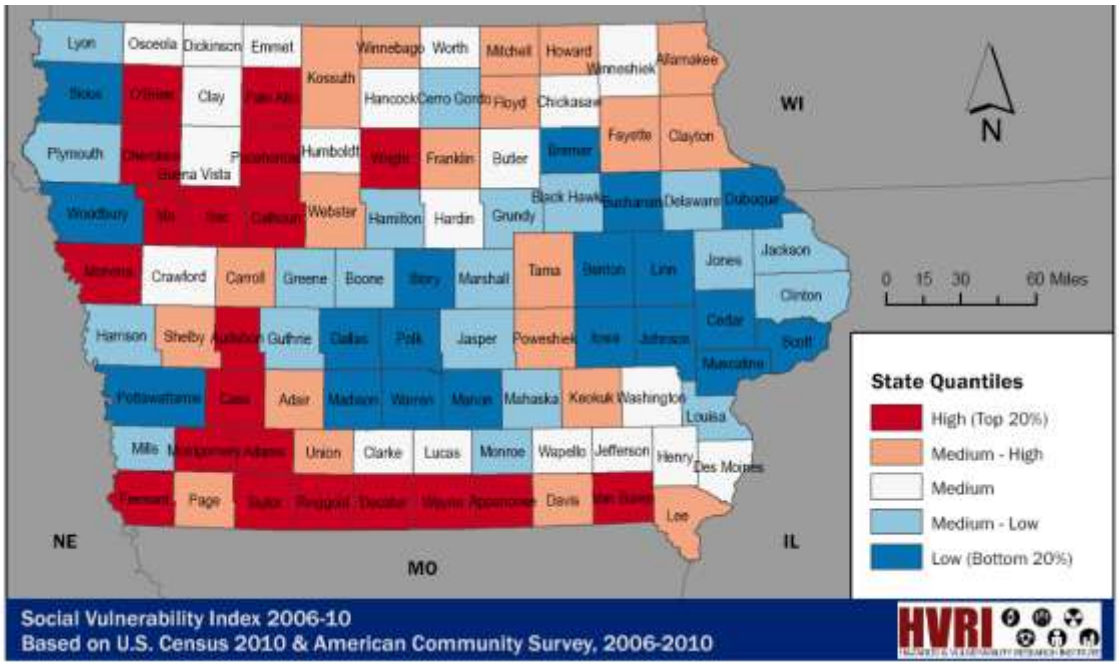
Source: U.S. Bureau of the Census, Decennial Census, *population includes the portions of these cities in adjacent counties

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. Farms 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 |
| Regional GIS | 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 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. The unincorporated county is profiled first, followed by the incorporated cities, Des Moines Water Works, and the public school districts.

### 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 Director 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 Director | 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 |
| National Flood Insurance Program (NFIP) Participant - Nondelegated | No |

| Capability | Comments |
|---|---|
| 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 |
| Ability to fund projects through Capital Improvements funding | Not Reported |

| Capability | Comments |
|---|---|
| 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 | 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 version of code | Working towards adopting 2012 version of code |
| Floodplain Ordinance | Yes | |
| Subdivision Ordinance | Yes | |
| Tree Trimming Ordinance | Yes | |
| Nuisance Ordinance | Yes | |

| Capabilities | Status | Comments |
|---|---|---|
| Storm Water Ordinance | Yes | |
| 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 | |

| Capabilities | Status | Comments |
|---|---|---|
| Public Works Official | Yes | |
| 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 Plan | No | |
| 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 | 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 | 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: 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 | No-Polk County | |
| 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 | 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 them 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

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/zonemap100207.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 | Yes | |
| 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 | Not Reported | |
| 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 | 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 | 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) | 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 in 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 | Yes | |
| 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 | Yes | |
| 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 | Yes | |
| 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 Des Moines Water Works

Des Moines Water Works (DMWW) is an independently operated, public utility providing drinking water to approximately 500,000 people in the Greater Des Moines area. DMWW is the largest water utility in Iowa and is among the largest 100 utilities in the country.

In 1919, Des Moines Water Works (DMWW) was formed as a public utility under a new Code of Iowa, Section 388. Under this Code, the water utility is operated by a five-member Board of Trustees, who are appointed by the Mayor of the City of Des Moines and approved by the City Council for a six-year term. The Board of Trustees has all of the powers of the City Council to operate the utility except for levying taxes. The utility is owned by the water rate payers. The Board of Trustees hires a General Manager to operate the utility. The General Manager produces an annual budget for the operations of the utility using revenue from the sale of water as the primary income source. This budget is reviewed, modified, and approved by the Board of Trustees. The Board of Trustees is the only body of the utility which can enter into contracts, and the utility must comply with State of Iowa public improvement bidding laws.

Des Moines Water Works consists of the following departments:

- Customer Service
- Information Technology
- Human Resources
- Water Distribution and Grounds
- Engineering
- Finance
- Office of the CEO / General Manager
- Water Production

Past or ongoing projects or programs designed to reduce disaster losses include the following:

- Treatment plant levee raised 6 feet,
- Gate closure structure constructed at plant entrance,
- Storm water pumping facility constructed to protect operations center,
- Control Center moved to second floor,
- Second floor added to General Office facility with critical functions moved up,
- Constructed alternate (flood) entrance,
- River intake valve automation,
- Constructed two additional treatment plants (emergency backup & peak capacity),
- Constructed aquifer storage facilities (emergency backup & peak capacity), and
- Riverbank protection.

Des Moines Water Works has the following mitigation-related capabilities:

- DMWW provides information to its customers on emergency water preparedness and encourages customers to store a three-day supply of water, including at least one gallon of

water per person, per day to be prepared for any interruption of water supply that might occur.

- DMWW has a variety of resources available for educators and individuals interested in water supply, pollution prevention, and using water wisely on their website, www.dmww.com .
- DMWW has an on-site warning siren that is activated by the Water Production Control Center Operator based on weather warnings received from the National Weather Service. DMWW has designated tornado shelters in each facility.
- Mutual Aid Agreements in place—DMWW participates in IOWARN
- Critical Facilities Inventory
- Engineer on Staff
- Emergency Management Coordinator on Staff
- Ability to fund projects through Capital Improvements Funding
- Fees collected for water services
- Financial Resources from Impact fees for new development
- Ability to withhold spending in hazard prone areas

## 2.2.19 Public School District Profiles and Mitigation Capabilities

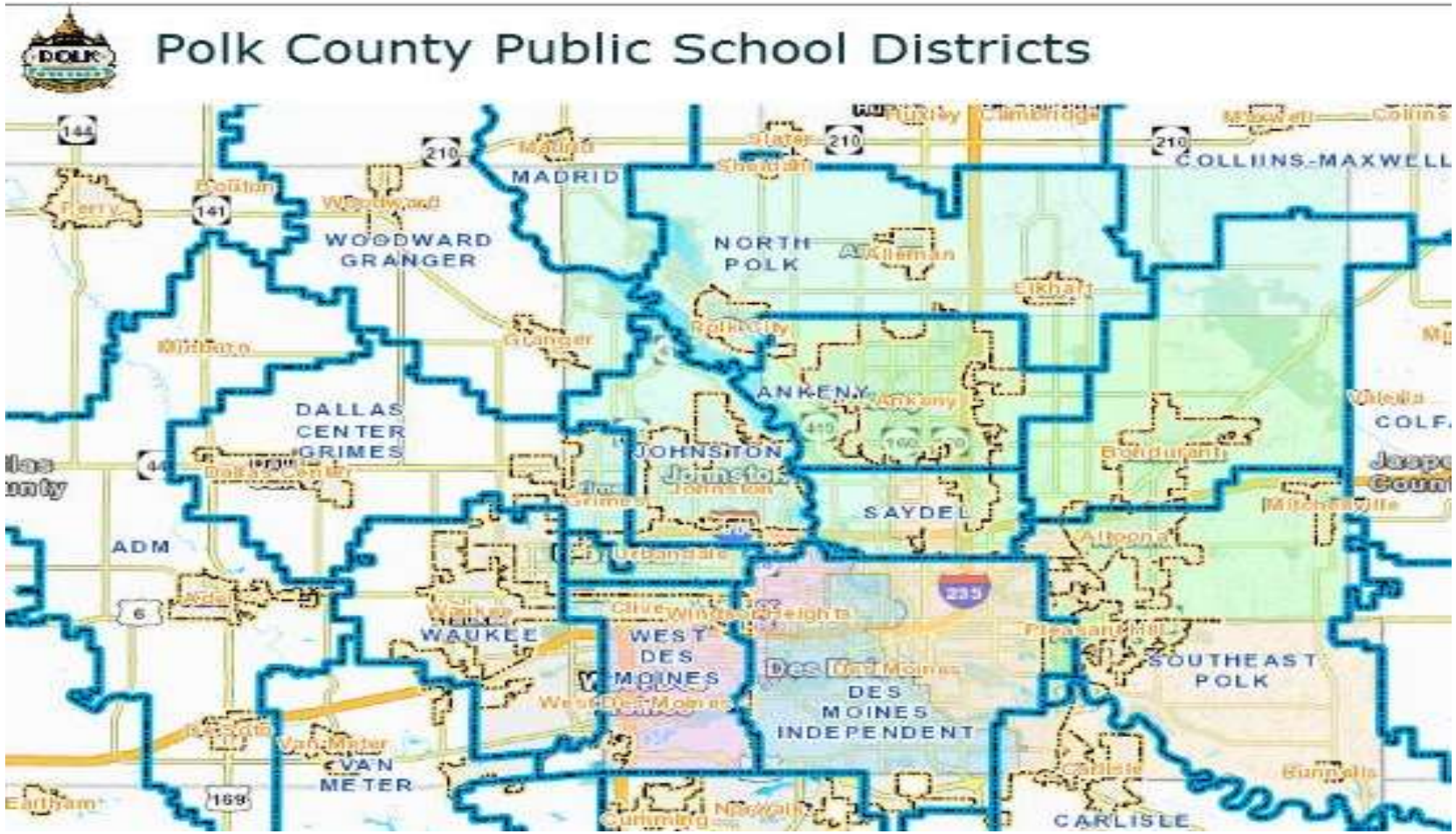
This section includes general profile information for all ten Polk County school districts. The ten school districts in the planning area are as follows.

| |
|---|
| • 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** |

| 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 nine 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, Principles 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