

## 7.2 City of Dacono

The Comprehensive Plan for the City of Dacono, Dacono Forward, was updated in 2017. The expansion upon the original plan from 2005 reflects the economic changes in the community and the renewed perspective on growth and development.

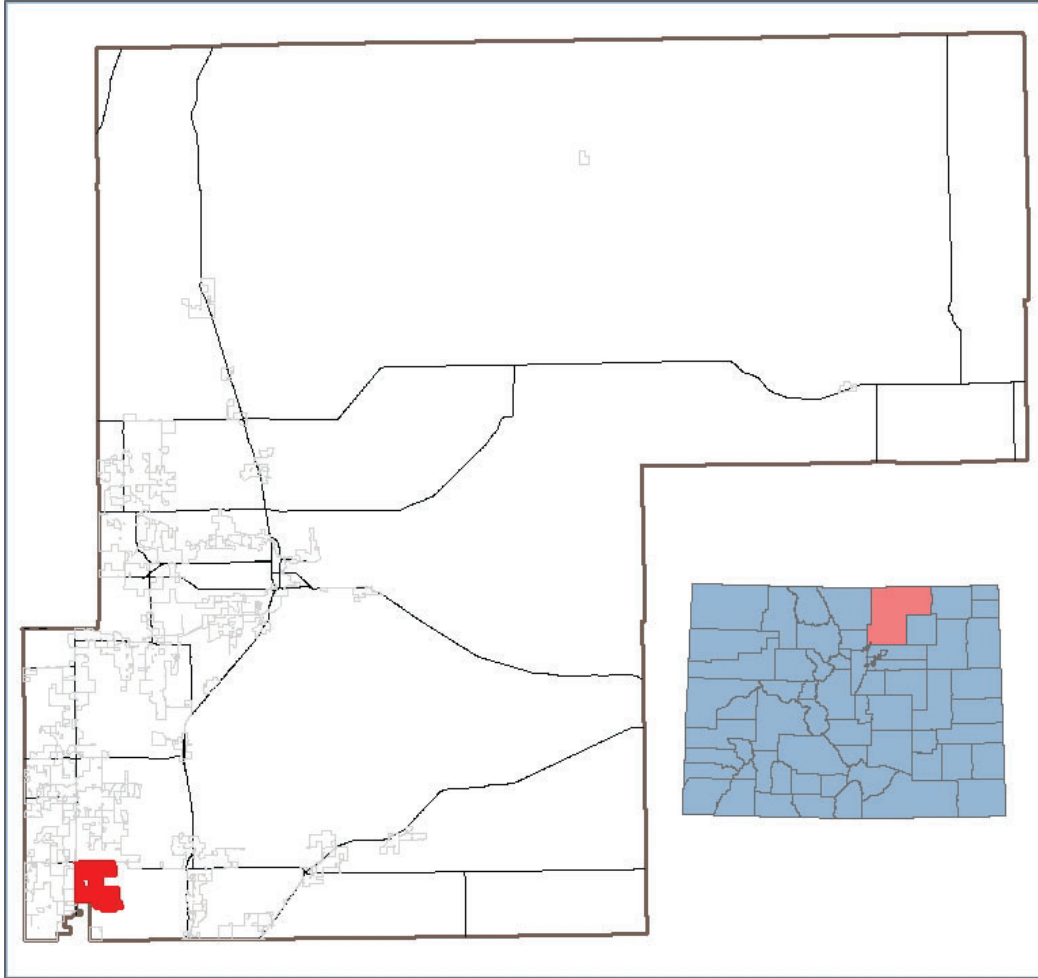
*“The Guiding Principles which informed this Dacono Forward plan are intended to provide direction for future land use and resource investment decisions. To this end, they should be considered in matters related to rezoning, subdivision and site design requests; as well as, the selection of priority initiatives, capital expenditures, and investment incentives. As they relate to this Dacono Forward Plan, they served as the foundation for its Goals (desired outcomes) and Strategic Public Initiatives (recommendations and actions).”*

The Guiding Principles are:

- Grow the City’s economy through diversification of job and business opportunities, and balance growth through efficient development patterns.
- New development and redevelopment will meet Dacono’s expectations for excellence in design and the creation of places consistent with long-term economic viability.
- Today’s neighborhoods remain vital and desirable places that meet the needs of existing residents and also appeal to future residents.
- Housing choices available in Dacono are accessible and affordable to people at all stages of their lives.
- City leaders and decision-makers will focus sufficient attention and investment on distinctive areas throughout the City so that each can achieve the vision described in this plan.

### 7.2.1 Community Profile

The City of Dacono is located in southwestern Weld County, about 10 miles north of the Denver metropolitan area. Dacono is located east of I-25 and south of Highway 52. The city encompasses nearly 8.2 square miles, with a future growth boundary of 22 square miles.



Dacono is part of the Carbon Valley area which also includes the Towns of Frederick and Firestone. The three municipalities share a Chamber of Commerce and a Park and Recreation District. They are represented in the Carbon Valley Emergency Management Agency, which also includes the Frederick Fire Protection District and Mountain View Fire Rescue. The municipalities work with their specific stakeholders in determining risks and vulnerabilities, however the unique agreement between them is important to planning efforts. The multi-jurisdictional emergency management system Dacono shares with Firestone and Frederick is key to fostering collaboration across agencies and successfully integrating hazard information and mitigation planning strategies.

The table below summarizes key demographic and development related characteristics of the City of Dacono.

Table 74. City of Dacono Demographics

Dacono	Colorado	
6,034	5,758,736	Population, 2019
45.2%	14.5%	Population, % change April 1, 2010 to July 1, 2019
10.6%	5.8%	% Population under 5 years, 2019

# WELD COUNTY 2021 MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN

Dacono	Colorado	
28.0%	21.9%	% Population under 19 years, 2019
7.6%	14.6%	% Population 65 years and over, 2019
69.9%	64.9%	Homeownership Rate, 2019
2.84	2.56	Persons Per Household, 2019
\$67,524	\$68,811	Median Household Income, 2014- 2018
5.9%	9.3%	Persons below poverty level, %, 2014- 2018
10.5%	7.3%	% Population under 65 years, with a disability 2014- 2018
19.9%	17%	Language other than English spoken at home, % age 5+, 2014- 2018

Source: US Census Bureau

The City's current population is estimated at 6,034 people, according to the US Census Bureau. Population forecasts are unavailable for municipalities in Colorado, however the population growth rate for Dacono was 5.9% from 2015 to 2018. This is almost double that of Weld County and around four times that of the state for the same period.

## 7.2.2 Risk and Vulnerability Assessment

Table 75 summarizes the results of the RF ranking exercise performed by the City of Dacono. The results represent the relative risk of different hazards across the municipality from the perspective of local stakeholders and subject matter experts. Note the final RF Ranking values in this table include the weighting factors detailed in the Risk Assessment chapter of this Plan.

Table 75. Risk Factor Results for Dacono

Hazard	Probability	Impact	Spatial Extent	Warning Time	Duration	RF Ranking
Agricultural Hazards	3	3	4	1	4	3.1
Cyber Hazards	3	4	4	4	4	3.7
Drought	3	2	4	1	4	2.8
Earthquake	1	2	4	1	1	1.9
Extreme Temps.	2	2	2	1	3	2.0
Flood	3	3	4	2	4	3.2
Hazmat	3	2	2	3	2	2.4
Land Subsidence	1	1	1	2	1	1.1
Prairie Fire	3	2	1	4	3	2.4
Public Health Hazards	4	2	4	1	3	3.0
Severe Storms	4	3	4	3	2	3.4
Tornado & Wind	3	4	2	4	4	3.3

The conclusions drawn from the qualitative assessment are organized into three categories shown in the following table and provide a summary of hazard risk for Dacono as a whole - based on High, Moderate, or Low risk designations. This process helped frame ongoing planning discussions around local and regional hazard risks and assisted with the development of the Plan's updated mitigation strategy.

Table 76. Hazard Risk Conclusions for Dacono

<b>HIGH RISK (2.5 or higher)</b>	<b>Agricultural Hazards, Cyber Hazards, Drought, Flood, Public Health Hazards, Severe Storms, Tornado &amp; Straight-Line Wind</b>
<b>MODERATE RISK (2.0 – 2.4)</b>	<b>Extreme Temperatures, Hazmat, Prairie Fire</b>
<b>LOW RISK (1.9 or lower)</b>	<b>Earthquake, Land Subsidence</b>

Since the 2016 Plan, the City has decreased the assessed risk from extreme temperatures to Moderate Risk (formerly High) and land subsidence to Low (formerly Moderate). It has also elevated prairie fire from Low Risk to Moderate. Besides the newly added hazards of agricultural hazards and cyber hazards, all other risk rankings remain the same.

The following sections highlight the City of Dacono's High Risk hazards and include any specific content relevant to the City. They are intended to supplement information included in each hazard profile in the main body of this Plan.

#### *7.2.2.1 Agricultural Hazards (including Disease & Pests)*

Vulnerability to agricultural hazards is not noticeably different from the rest of the County. Those communities whose economies are more dependent on the agriculture industry do experience higher risk to these hazards. There are no previous events to document specific to Dacono. Future occurrences are expected to mirror that of the County. Refer to Chapter 5 – Risk Assessment of this Plan for additional details.

#### *7.2.2.2 Cyber Hazards*

For any municipality, vulnerability to cyber hazards does not vary from that of the County as a whole. While there are no documented cyber events impacting Dacono, the threat of this hazard is continually increasing. There are no previous events to document specific to Dacono. Future occurrences are expected to mirror that of the County. Refer to Chapter 5 – Risk Assessment of this Plan for additional details.

#### *7.2.2.3 Drought*

The community vulnerability to drought is not noticeably different from the rest of the County. Those communities whose economies are more dependent on the agriculture industry do experience higher risk to this hazard. There are no previous events to document specific to Dacono. Future occurrences are expected to mirror that of the County. Refer to Chapter 5 – Risk Assessment of this Plan for additional details.

#### *7.2.2.4 Flood (including Dam & Levee Failure)*

Flood is a very localized hazard and vulnerability is unique for each municipality. There are no previous events to document specific to Dacono.

Overall vulnerability to flood is increased for the City of Dacono, where 2.2% of address points (58) are located within the Special Flood Hazard Area (SFHA). This is a larger percentage of structures at risk, as compared to 1.6% of Countywide addresses located in the SFHA.

Flood events can also occur as a result of dam or levee failure. In these cases, flood waters may not follow the typical floodplains mapped as the SFHA.

The City of Dacono's overall vulnerability to flooding in dam inundation areas is significantly different from the rest of the County, as Dacono has no address points located in these dam inundation areas. This is compared to 1.0% of Countywide addresses located in these areas.

The City is not the first jurisdiction downstream of any dams. Additional information pertaining to dams can be referenced at the State's Dam Safety website: <https://dwr.state.co.us/Tools/DamSafety/Dams>.

The City's overall vulnerability to flooding in areas protected by known levees is substantially different from the rest of the County, as Dacono has no address points located in within levee protected areas. This is compared to 1.6% of Countywide addresses located in these areas.

It is important to note that this analysis is only as good as best available data allows. Current floodplains, dam inundation areas, and areas protected by levees may not currently map all hazard areas. Additionally, mapped hazard areas may be dated and in need of updated mapping and analysis.

Future occurrences are expected to mirror that of the County. Refer to Chapter 5 – Risk Assessment of this Plan for additional details.

#### 7.2.2.5 Public Health Hazards

Vulnerability to public health hazards is not expected to be noticeably different from the rest of the County. Individuals at a higher risk to this hazard include the aging adult population, those with a chronic illness, such as diabetes, asthma, coronary heart disease, and those who are obese or overweight. Other populations at risk include children, those in poverty and those with a disability. This data is collected at census tract level by the Centers for Disease Control (CDC) and is unavailable at a municipality level. The data by census tract can be found in the Colorado Department of Health and Environment Open Data database [here](#).

Future occurrences are expected to mirror that of the County. There are no previous events to document specific to Dacono. Refer to Chapter 5 – Risk Assessment of this Plan for additional details, including a summary of the higher risk population demographics for Weld County and the State.

#### 7.2.2.6 Severe Storm (including Hail, Lightning, & Winter Storm)

Vulnerability to severe storm, which includes hail, lightning, and winter storm, is not noticeably different from the rest of the County. Dacono's more densely developed areas experience the greatest risk. Any structures not constructed to meet recent building codes experience the greatest risk from structural damages.

According to the NOAA's Storm Events Database, between 2015 and 2020, the City of Dacono has had seven severe thunderstorms which resulted in reports of hail. There was no reported damage to property or crops and no injuries or deaths. The hail in these storms ranged in size from 1 inch to 1.75 inches.

No other events for severe storm, specific to Dacono, were recorded over this time period.

Future occurrences are expected to mirror that of the County. Refer to Chapter 5 – Risk Assessment of this Plan for additional details.

#### 7.2.2.7 Tornado & Straight-Line Wind

Vulnerability to tornado & straight-line wind is not noticeably different from the rest of the County. Dacono's more densely developed areas experience the greatest risk, in addition to any structures not constructed to meet recent building codes.

Between 2015 and 2020, there were no reports of occurrences specific to Dacono. Future occurrences are expected to mirror that of the County. Refer to Chapter 5 – Risk Assessment of this Plan for additional details.

### 7.2.3 Capabilities Assessment

The capability assessment examines the ability of the City of Dacono to implement and manage the comprehensive mitigation strategy laid out in this Plan. The strengths, weaknesses, and resources of the community are identified here as a means for evaluating and maintaining effective and appropriate management of the city's hazard mitigation program.

Planning and regulatory capabilities are powerful tools for implementing hazard mitigation. The Town currently utilizes or has implemented many of these capabilities shown in Table 77. It is important for all municipalities to regularly review each of these tools, to identify opportunities for further risk reduction efforts.

Table 77. Planning & Regulatory Capabilities

Mitigation Capability	Utilized?	Comments
Comprehensive, Master, or General Plan	Yes	Dacono Forward adopted 2017
Capital Improvement Program or Plan (CIP)	No	
Floodplain Management Plan	No	
Stormwater Program / Plan	No	
Community Wildfire Protection Plan (CWPP)	No	
Erosion / Sediment Control Program	No	
Economic Development Plan	No	
Other:	No	
Building Codes (Year)	Yes	2018 Edition
Site Plan Review Requirements	Yes	
Other:	No	
Zoning Ordinance (Land Use)	Yes	
Subdivision Ordinance	Yes	
National Flood Insurance Program (NFIP) Participant	Yes	
Flood Insurance Study / Flood Insurance Rate Map / DFIRM	Yes	
Floodplain Ordinance	Yes	

# WELD COUNTY 2021 MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN

Mitigation Capability	Utilized?	Comments
Elevation Certificates for Floodplain Development	Yes	
Community Rating System (CRS) Participant	No	
Open Space / Conservation Program	No	
Growth Management Ordinance	No	
Stormwater Ordinance	Yes	
Other Hazard Ordinance (steep slope, wildfire, snow loads, etc.)	No	
Other:	No	

Available resources including staff, municipal groups, and technology are all vital for a community to be able to implement hazard mitigation. Dacono is fortunate to have most all of these capabilities identified in Table 78.

Table 78. Administrative & Technical Capabilities

Mitigation Capability	Utilized?	Comments
Planning Commission	Yes	
Mitigation Planning Committee	No	
Maintenance Programs (tree trimming, clearing drainage, etc.)	Yes	
Emergency Manager	Yes	Carbon Valley Emergency Management Agency (CVEMA)
Building Official	Yes	
Floodplain Administrator	Yes	
Community Planner	Yes	
Transportation Planner	No	
Civil Engineer	Yes	
GIS Capability	Yes	
Resiliency Planner	No	
Other:	No	
Warning Systems / Services (flood)	No	
Warning Systems / Services (other / multi hazard)	Yes	
Grant Writing / Management	No	
Other:	No	

The ability of a community to implement a comprehensive mitigation strategy is largely dependent on available funding. These related municipal capabilities are outlined in Table 79 and show that Dacono utilizes a broad range of financial tools that can support mitigation activities.

Table 79. Financial Capabilities

Mitigation Capability	Utilized?	Comments
Levy for Specific Purposes with Voter Approval	Yes	
Utilities Fees	Yes	
System Development / Impact Development Fee	Yes	
General Obligation Bonds to Incur Debt	Yes	
Special Tax Bonds to Incur Debt	No	
Open Space / Conservation Fund	Yes	
Stormwater Utility Fees	No	
Capital Improvement Project Funding	Yes	
Community Development Block Grants (CDBG)	Yes	
Withheld spending in hazard-prone areas	No	
Other:	No	

Education and outreach are important capabilities that allow a community to continue the conversation with their public regarding hazard risk and opportunities to mitigate. Table 80 shows that Dacono could benefit by expanding upon these capabilities.

Table 80. Education &amp; Outreach Capabilities

Mitigation Capability	Utilized?	Comments
Public Hazard Education / Outreach Program	Yes	CVEMA Hazard and Preparedness Education and Outreach
Local Citizen Groups That Communicate Hazard Risks	No	
Firewise	No	
NOAA StormReady Program	No	
Other:	No	

## 7.2.4 Plan Maintenance and Implementation

The City of Dacono has developed a Plan Maintenance and Implementation Strategy outlining their method and schedule for keeping the plan current. The Implementation Strategy below also includes a discussion of how the City will continue public participation in the plan maintenance process.

- The Carbon Valley Emergency Manager will facilitate an annual review of hazard mitigation plan and actions with City staff and leadership. In addition, The City of Dacono and CVEMA will periodically engage the public in the process of identifying hazards, risks, and prioritizing mitigation actions.



### 7.2.5 Integrating Hazard Mitigation into Local Planning

The City also identified ways to integrate hazard mitigation into their local planning mechanisms and policies. Following are the specific integration strategies identified by the City of Dacono.

- The City of Dacono is a partner in a Regional Stormwater Basin Plan, which incorporates cooperative flood mitigation in stormwater management strategies.
- The City of Dacono will integrate mitigation actions during the annual review of their Capital Improvement Plan by emphasizing projects that mitigate the impacts of the highest risk hazards.
- Incorporate mitigation actions, such as improvements to infrastructure and utilities, through the Dacono II Urban Renewal Plan, which aims to reduce and remove blighting conditions adversely impacting properties and businesses in the plan area.

### 7.2.6 Mitigation Actions

The mitigation actions identified by the City during the Plan update are included in Table 81. Both of these actions from the 2016 Plan have been carried over into the City's updated mitigation strategy.

Table 81. 2021 Mitigation Actions

ID	Organization	Action
2021-19	1-Dacono	Design and Construction of CO Blvd Bridge
2021-20	2-Dacono	Grandview Street and York Street Flood Mitigation
2021-105	3-Dacono	Community Relations Coordinator