



JURISDICTIONAL SUMMARY

FOR THE

CITY OF GOODYEAR

MARICOPA COUNTY
MULTI-JURISDICTIONAL
HAZARD MITIGATION PLAN
2021



CITY OF GOODYEAR JURISDICTIONAL SUMMARY

Across the United States, natural and human-caused disasters have led to increasing levels of death, injury, property damage, and interruption of business and government services. The toll on families and individuals can be immense and damaged businesses cannot contribute to the economy. The time, money and effort to respond to and recover from these emergencies or disasters divert public resources and attention from other important programs and problems. With 62 federal or state declarations and a total of 980 other recorded events, the 26 jurisdictions contained within Maricopa County, Arizona and participating in this planning effort recognize the consequences of disasters and the need to reduce the impacts of natural and human-caused hazards. The County and jurisdictions also know that with careful selection, mitigation actions in the form of projects and programs can become long-term, cost effective means for reducing the impact of natural and human-caused hazards.

The elected and appointed officials of Maricopa County and the 25 other participating jurisdictions demonstrated their commitment to hazard mitigation in 2015 by preparing the second update of the Maricopa County Multi-Jurisdictional Hazard Mitigation Plan (2015 Plan). The 2015 Plan covered 28 participating jurisdictions and was approved by FEMA on December 22, 2015. In order to remain compliant with the congressional regulations, the county and jurisdictions must perform full plan update and obtain FEMA approval. It is noted that the Salt River Project and the Town of Paradise Valley are no longer participants in the updated Plan.

In response, the Maricopa County Department of Emergency Management (MCDEM) secured a federal planning grant and hired JE Fuller/ Hydrology & Geomorphology, Inc. to assist the County and participating jurisdictions with the update process. MCDEM reconvened a multi-jurisdictional planning team (MJPT) comprised of veteran and first-time representatives from each participating jurisdiction, and other various county, state, and federal departments and organizations such as the National Weather Service and Arizona Public Service. The MJPT met monthly beginning in July 2020 and finishing in November 2020. Subsequent “catch up” meetings were conducted through June 2021 to assist several communities with finalizing assignments and the first draft of the updated 2021 Plan was issued in July 2021. The meetings and MJPT worked in a collaborative effort to review, evaluate, and update the 2015 Plan keeping the single, consolidated multi-jurisdictional plan format and approach. The 2021 Plan will continue to guide the County, tribes and participating local jurisdictions toward greater disaster resistance in full harmony with the character and needs of the community and region.

The Plan has been prepared in compliance with Section 322 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act of 1988 (Stafford Act), 42 U.S.C. 5165, as amended by Section 104 of the Disaster Mitigation Act of 2000 (DMA 2000) Public Law 106-390 enacted October 30, 2000. The Plan includes risk assessments for multiple natural hazards, a public outreach effort at two phases of the planning process, and development of a mitigation strategy that incorporates measures intended to eliminate or reduce the effects of future disasters throughout the County. The development of the various 2021 Plan elements was accomplished through a joint and cooperative venture by members of the Maricopa County MJPT, with MCDEM serving as the lead agency and primary point of contact for the planning effort.

The overall purpose of DMA 2000 was to establish a national program for pre-disaster mitigation, streamline administration of disaster relief at both the federal and state levels, and control federal costs of disaster assistance. Congress envisioned that implementation of these new requirements would result in the following key benefits:

- Reduction of loss of life and property, human suffering, economic disruption, and disaster costs.
- Prioritization of hazard mitigation planning at the local level, with an increased emphasis placed on planning and public involvement, assessing risks, implementing loss reduction measures, and ensuring that critical services/facilities survive a disaster.
- Establishment of economic incentives, awareness and education via federal support to state, tribal, and local governments that will result in forming community-based partnerships, implementing effective hazard mitigation measures, leveraging additional non-Federal resources, and establishing commitments to long-term hazard mitigation efforts.

In general, the DMA 2000 legislation requires all local, county, and tribal governments to develop a hazard mitigation plan for their respective communities in order to be eligible to receive certain federal non-



CITY OF GOODYEAR JURISDICTIONAL SUMMARY

emergency mitigation funds including Hazard Mitigation Grant Program (HMGP) and Building Resilient Infrastructure and Communities Program (BRIC) [Formerly Pre-Disaster Mitigation Program (PDM)]. FEMA's Flood Mitigation Assistance Program (FMA) planning requirements are also satisfied by this plan as long as flooding is addressed.

In satisfying the regulatory requirements of DMA 2000, the primary purpose of this plan is to identify natural hazards that impact Goodyear, assess the vulnerability and risk posed by those hazards to community-wide human and structural assets, develop strategies for mitigation of those identified hazards, present future maintenance procedures for the plan, and document the planning process. The Plan is generally arranged and formatted to be consistent with the 2018 State of Arizona Multi-Hazard Mitigation Plan (State Plan) and is comprised of the following major sections:

Planning Process – this section summarizes the planning process used to update the Plan, describes the assembly of the planning team and meetings conducted, and summarizes the public involvement efforts.

Community Description – this section provides an overall description of the participating jurisdictions and the County as a whole.

Risk Assessment – this section summarizes the identification and profiling of natural hazards that impact the County and the vulnerability assessment for each hazard that considers exposure/loss estimations and development trend analyses.

Mitigation Strategy – this section presents a capability assessment for each participating jurisdiction and summarizes the Plan mitigation goals, objectives, actions/projects, and strategy for implementation of those actions/projects.

Plan Maintenance Strategy – this section outlines the proposed strategy for evaluating and monitoring the Plan, updating the Plan in the next 5 years, incorporating plan elements into existing planning mechanisms, and continued public involvement.

Plan Tools – this section includes a list of Plan acronyms and a glossary of definitions.

The planning process used to review and update the 2015 Plan included the organization and use of two planning team levels. The first was a Multi-Jurisdictional Planning Team (MJPT) that was comprised of one or more representatives from each participating jurisdiction. The second was the Local Planning Team (LPT) that was comprised of various staff and officials from the specific jurisdiction.

The role of the MJPT was to work with the planning consultant to perform the coordination, research, and planning element activities required to update the 2015 Plan. Attendance by each participating jurisdiction was required for every MJPT meeting as the meetings were structured to progress through the plan update process. Steps and procedures for updating the 2015 Plan were presented and discussed at each MJPT meeting, and worksheet assignments were normally given. Each meeting built on information discussed and assignments made at the previous meeting. The MJPT representatives also had the responsibility of being the liaison to the LPT, and were tasked with the following:

- Conveying information and assignments received at the MJPT meetings to the LPT
- Ensuring that all requested worksheets were completed fully and returned on a timely basis
- Arranging for review and official adoption of the Plan

The function and role of the LPT was to:

- Provide support and data
- Assist the MJPT representative in completing each assignment
- Make planning decisions regarding plan update components
- Review the Plan draft documents

The MJPT met five times from July 2020 to November 2020, with LPT meetings convened in between as needed to complete the homework and review/update tasks assigned.

The following are the contact details for the Plan primary point of contact for the City of Goodyear:



CITY OF GOODYEAR JURISDICTIONAL SUMMARY

Julie Symopoulos
Emergency Manager
Fire Department
14455 W. Van Buren St., Ste. E-103
Goodyear, AZ 85338
Work: 623.882.7112
Email: Julie.symopoulos@goodyearaz.gov

For information purposes, the following summarizes contact details for the Plan primary point of contact for Maricopa County:

Rudy Perez
Senior Planner
Maricopa County Department of Emergency Management
5636 E. McDowell Rd.
Phoenix, AZ 85008
Work: 602.273.1411
Email: rudy.perez@maricopa.gov

The following table summarizes the LPT for Goodyear and roles of each person. The promulgation authorities are listed at the end of the table.

Name	Department / Division / Branch	Title	Planning Team Role / Description of Duties
Julie Symopoulos	Fire Department	Emergency Manager	Attend all meetings, confirm information, provide information, primary contact.
David Lujan	Information Technology	Geospatial Information Manager	Provide GIS assistance
Barbara Chappell	Public Works	Deputy Public Works Director / Utility	Provided current curtailment and conservation plan
Charles Schneider	Public Works Department	Operational Readiness Coordinator	Managed update to Threat Vulnerability Assessment
Marty Crossland	Engineering Department	Plan review manager	Update of Goodyear's growth and projected growth
Steve Scinto, P.E., CFM	Engineering Department	Deputy Director	General assistance
PROMULGATION AUTHORITY			
Joe Pizzillo	City Council	Mayor	Plan Promulgation
Brannon Hampton	City Council	Vice Mayor	Plan Promulgation
Sheri Lauritano	City Council	Council Member	Plan Promulgation
Wally Campbell	City Council	Council Member	Plan Promulgation
Bill Stipp	City Council	Council Member	Plan Promulgation
Laura Kaino	City Council	Council Member	Plan Promulgation
Patrick Bray	City Council	Council Member	Plan Promulgation

One of the key elements to the hazard mitigation planning process is the risk assessment. In performing a risk assessment, a community determines “what” can occur, “when” (how often) it is likely to occur, and “how bad” the effects could be. According to DMA 2000, the primary components of a risk assessment are generally categorized into the following measures:

☒ **Identify Hazards**



CITY OF GOODYEAR JURISDICTIONAL SUMMARY

- ☒ **Profile Hazard Events**
- ☒ **Assess Vulnerability to Hazards**

The risk assessment for Goodyear utilized information developed by the LPT and County-wide hazard profile data. The vulnerability analysis results reported in the Plan reflect vulnerability at the community level as well as on a County-wide basis.

Following the lead of the State of Arizona, only natural hazards were considered for this update. The list of hazards in the 2015 Plan and the 2018 State Plan¹ were reviewed and compared in an initial screening that used a systematic process that considered relevance, historical significance and experience, and catastrophic potential. The result was a list of hazards that are most relevant to Maricopa County. The Goodyear LPT further reviewed the list to reflect only those hazards that have the most impact on Goodyear. The following table summarizes the Countywide list of hazards. The hazards selected for mitigation by Goodyear are shown in bold type.

Natural Hazard List for the Plan and Goodyear	
• Dam Inundation • Drought • Extreme Heat • Fissure • Flood	• Levee Failure • Severe Wind • Subsidence • Wildfire

Profiles were developed for each of the hazards by researching and mapping historic hazardous events, obtaining other hazard mapping, analysis and studies, and in Arizona, estimating the Calculated Priority Risk Index (CPRI)². Hazard profile maps for Dam Inundation (Emergency Spillway and Dam Failure), Fissure, Flooding/Flash Flooding, Levee Failure, Subsidence, and Wildfire were developed. Maps specific to Goodyear are provided following the text of this summary.

A vulnerability analysis was performed to assess and evaluate the City's population and critical facility exposure risk to the identified hazards. The risk was tabulated in terms of exposure loss estimates and human population exposure. Critical facilities were individually identified by the MJPT and LPT and supplemental residential facility information was obtained from the 2010 census block residential unit data set. It is estimated that there are at least \$148.6 million dollars³ worth of critical and non-critical facilities within Goodyear. Replacement value for residential buildings within Goodyear are estimated to total over \$8.3 billion. The 2015 City population estimate was 78,118 and the current (2022) estimate is 101,662. The following table summarizes the general results of the vulnerability analysis for each of the top hazards in the City.

Hazard	Exposure Estimates ^a		
	Critical Facilities	Residential	Population ^b
Dam Failure (High Hazard)	\$0	\$0	0
Drought	(None estimated)		101,662
Extreme Heat	(None estimated)		101,662
Fissure (High Hazard)	\$936,000 (1 facility)	\$95,000	0
Flooding (High Hazard)	\$20.6 million (22 facilities)	\$186.9 million	1,618
Levee Failure (High Hazard)	\$0	\$0	0
Severe Wind	(None estimated)		101,662

¹ State of Arizona, Division of Emergency Management, 2018, *State of Arizona Multi-Hazard Mitigation Plan*.

² The CPRI is explained in detail in the Section 5.2.3 of the main Plan

³ This estimate is likely to be inexact as there were many assets that the community was unable to obtain detailed replacement estimates for the Plan development schedule.



CITY OF GOODYEAR JURISDICTIONAL SUMMARY

Hazard	Exposure Estimates ^a		
	Critical Facilities	Residential	Population ^b
Subsidence	\$121.8 million (125 Facilities) (125 facilities)	\$7.1 billion	67,071
Wildfire (High Hazard)	\$1.8 million (2 facility)	\$38.4 million	319
^a – These numbers represent estimates of exposure that may result assuming all delineated hazard areas are impacted at the same time. Actual event losses may not impact the entire area during a single event.			
^b – These numbers represent the total human population potentially exposed to the hazard.			

The MJPT and Goodyear LPT developed a strategy for mitigating the hazard risks identified within the City. The mitigation strategy provides the “*what, when, and how*” of actions that will reduce or possibly remove the City’s exposure to hazard risks, and is generally categorized into the following components:

- ☒ **Goals and Objectives**
- ☒ **Capability Assessment**
- ☒ **Mitigation Actions/Projects**
- ☒ **Implementation Strategy**

The MJPT reviewed and discussed the 2015 Plan goals and objectives and compared them to the 2018 State Plan. The result of the discussions resulted in establishing one goal and four clear objectives as follows:

- **GOAL:** Reduce or eliminate the risk to people and property from natural hazards.
 - ◆ **Objective 1:** Reduce or eliminate risks that threaten life and property in the incorporated, unincorporated, and tribal jurisdictions within Maricopa County.
 - ◆ **Objective 2:** Reduce risk to critical facilities and infrastructure from natural hazards.
 - ◆ **Objective 3:** Promote hazard mitigation throughout the incorporated, unincorporated, and tribal jurisdictions within Maricopa County.
 - ◆ **Objective 4:** Increase public awareness of hazards and risks that threaten the incorporated, unincorporated, and tribal jurisdictions within Maricopa County.

This goal and four objectives will be used by all participating jurisdictions in the Plan.

The Goodyear LPT reviewed and updated the community’s capability assessment regarding legal, regulatory, technical/staff, and financial resources. The following tables summarize the results:



CITY OF GOODYEAR JURISDICTIONAL SUMMARY

Legal and regulatory capabilities for Goodyear		
Regulatory Tools for Hazard Mitigation	Description	Responsible Department/Agency
CODES	• International Building Code, 2006 • International Residential Code, 2006 • International Mechanical Code, 2006 • International Property Maintenance Code, 2006 • International Energy Conservation Code, 2006 • NFPA 70, The National Electrical Code including Annex A – G, 2015 • NFPA 99, Health Care Facilities, 2015 • ICC/ANSI A117.1 Accessible and Usable Buildings and Facilities, 2003 • 2010 ADA Standards for Accessible Design • International Residential Code, 2006 • International Fire Code Appendix B,D,E,F and G 2006	• Fire Building and Life Safety
ORDINANCES	• Flood Damage Prevention Ordinance, 2005 • Zoning Ordinance, 2013 • Subdivision Regulations, 2012 • Engineering Design Standards and Policies Manual, 2012	• Engineering
PLANS, MANUALS, and/or GUIDELINES	• General Plan, 2014 • General Plan Amendments, 2004 through 2009 • Design Guidelines, 2008 • City Center Specific Plan, 2009 • Storm Water Management Plan – Amended, 2014	• Community Development
STUDIES	• Sonoran Valley Planning Area document, 2007 • White Tank Area Drainage Master Plan, 2003 • Waterman Wash Floodplain Delineation Study, 2006 • Rainbow Valley Area Drainage Master Plan, in progress, 2010	• Community Development
<u>Opportunities for Expansion/Improvement:</u> The General Plan, Zoning Ordinance and Building Code could be strengthened to include additional consideration for flooding potential and/or wildfire potential within the platting process. As construction costs are extremely high and the city has already implemented the requirement for fire sprinklers in residential development greater than 5,000 sq. ft, care will need to be taken to ensure that housing costs or other impacts do not create other issues for residents which cannot be mitigated.		



CITY OF GOODYEAR JURISDICTIONAL SUMMARY

Technical staff and personnel capabilities for Goodyear		
Staff/Personnel Resources	☒	Department/Agency - Position
Planner(s) or engineer(s) with knowledge of land development and land management practices	☒	Community Development – Director Engineering – City Engineer
Engineer(s) or professional(s) trained in construction practices related to buildings and/or infrastructure	☒	Community Development - Director Fire Department - Chief Building Official Engineering – City Engineer
Planner(s) or engineer(s) with an understanding of natural and/or human-caused hazards	☒	Fire Department - Chief Community Development - Director Fire Department – Chief Building Official Engineering – City Engineer Contract out as needed
Floodplain Manager	☒	Engineering – City Engineer
Surveyors		Contract out as needed
Staff with education or expertise to assess the community’s vulnerability to hazards	☒	Fire Department - Chief Community Development - Director Fire Department – Chief Building Official Engineering – City Engineer Contract out as needed
Personnel skilled in GIS and/or HAZUS	☒	Engineering – City Engineer Engineering – GIS Coordinator Contract out as needed
Scientists familiar with the hazards of the community		Contract out as needed
Emergency manager	☒	Fire Department - Chief
Grant writer(s)	☒	City Administration – Grants Administrator
<u>Opportunities for Expansion/Improvement:</u> Since beginning the writing of this update, the City has hired an Environmental Manager to develop Emergency Response Plans in relation to surface waters and the potential of contamination. Additional, Public Works has hired an Emergency Coordinator to assist with securing water supply and treatment with more thorough continuity plans, as well as response plans. The Fire Department is working to expand its efforts at communicating defensible space opportunities, specifically with the EMR community near Corgett Wash.		

Fiscal capabilities for Goodyear		
Financial Resources	Accessible or Eligible to Use (Yes, No, Don’t Know)	Comments
Community Development Block Grants	Yes	Water, sewer, and building rehabilitation projects
Capital Improvements Project funding	Yes	Annual CIP Budget Five-year CIP IGAs with FCDMC, MCDOT
Authority to levy taxes for specific purposes	Yes	Improvement Districts Community Facilities Districts
Fees for water, sewer, gas, or electric service	Yes	Adopted water and sewer connection fees and utility usage fees



CITY OF GOODYEAR JURISDICTIONAL SUMMARY

Fiscal capabilities for Goodyear		
Financial Resources	Accessible or Eligible to Use (Yes, No, Don't Know)	Comments
Impact fees for homebuyers or new developments/homes	Yes	Adopted impact fees for water, sewer, reclaimed water, water resources, library, parks and recreation, fire, police, public works, general government, arterial streets, and regional transportation
Incur debt through general obligation bonds	Yes	Sell G.O. Bonds
Incur debt through special tax bonds	Yes	Sell Revenue Bonds, Improvement District Bonds, and Community Facilities Bonds
Cooperative Agreement Grants and Specific Planning and Project Grants	Yes	FEMA, NRCS, State Land, etc.
<u>Opportunities for Expansion/Improvement:</u> The City could consider expanding pursuit of FEMA mitigation grants by first forming a group of key individuals, Emergency Manager, Fire Chief, City Engineer, etc., to determine if there are opportunities within the city which qualify for mitigation and then programming those efforts into the respective operational plans.		

Using the vulnerability analysis, capability assessment, and goals and objectives, the Goodyear LPT then developed an updated list of mitigation actions/projects with an implementation strategy clearly defined. Each action/project was evaluated and prioritized based on: 1) Direct Impact on Life and/or Property; 2) Long-Term Solution; and 3) Benefit vs. Cost. The table on the following page summarizes the updated mitigation action/project list for Goodyear.



CITY OF GOODYEAR JURISDICTIONAL SUMMARY

Mitigation actions and projects and implementation strategy for Goodyear									
Mitigation Action/Project					Implementation Strategy				
ID No.	Description	Hazard(s) Mitigated	Community Assets Mitigated (Ex/New)	Estimated Cost	Priority Ranking	Planning Mechanism(s) for Implementation	Anticipated Completion Date	Primary Agency / Job Title Responsible for Implementation	Funding Source(s)
1	Review building permits for compliance with Floodplain Ordinance and NFIP regulations.	Flood	Both	Staff time	High	Staff training floodplain regulations	Annual – Ongoing	City Engineer, Development Services Director	General Fund Fees
2	Use newsletters, flyers, utility bill inserts, website notices, radio and television announcements, social media and newspaper articles to educate the public about hazards impacting Goodyear and how to be prepared in case of an emergency or disaster event.	All Hazards	Both	Staff Time	High	Staff training Department/ Division coordination	Annual- Ongoing	Digital Communications PIOs Emergency Manager Dispatch Community Risk Reduction	General Fund
3	Enforce the City of Goodyear’s weed abatement ordinance.	Wildfire	Both	Staff time/ Volunteers	High	Code Compliance	Annual- Ongoing	Building Official	General Fund
4	Educate the public on proper fuels thinning, setbacks, and water storage for wildfire mitigation using Firewise type of programs and guidance documents.	Wildfire	Both	Staff time	High	Fire Department/EM coordination	Annual- Ongoing	Fire Chief/Emergency Manager	Grant Funding and General Fund
5	Conduct wildfire safety education programs in the local schools through the Community Risk reduction program.	Wildfire	Both	Staff time/ Volunteers	High	Community Risk Reduction Division/EM coordination	Seasonal and as schools permit time	Emergency Manager Community Risk Reduction	General Fund and Grant Funding where available
6	Perform an information campaign at the onset of the extreme heat season to help educate the general public on ways to remain safe during periods of extreme heat.	Extreme Heat	Both	Staff time/ Volunteers	High	EM Division/ Community Risk Reduction Division coordination	Seasonal	Emergency Manager	General Fund
7	Identify and communicate locations within the community that can serve as cooling stations during times of extreme heat.	Extreme Heat	Both	Staff time/ Volunteers Interfaith community	High	EM Division/ Community Risk Reduction Division coordination	As needed given population densities and heat events	Emergency Manager	General Fund



CITY OF GOODYEAR JURISDICTIONAL SUMMARY

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ID No.	Description	Hazard(s) Mitigated	Community Assets Mitigated (Ex/New)	Estimated Cost	Priority Ranking	Planning Mechanism(s) for Implementation	Anticipated Completion Date	Primary Agency / Job Title Responsible for Implementation	Funding Source(s)
8	Participate in the Flood Control District of Maricopa County annual county-wide flood exercises to identify areas of mitigation interest regarding vulnerable critical infrastructure, emergency access and routes issues.	Flood	Both	Staff time	High	Flood Control District/ MCDEM/EM coordination	Bi-Annual	Emergency Manager	General Fund
9	Provide severe weather information to the City of Goodyear first responders and other employees that work outdoors for them to be aware to wear the proper personal protection equipment.	Extreme Heat, Flood, Severe Wind and Weather	Both	Staff time	High	NWS/ EM Division coordination	Annual-Ongoing	Emergency Manager	General Fund
10	Work with the Flood Control District of Maricopa County to develop and update flood response plans as they pertain to the City of Goodyear and surrounding areas.	Flood	Both	Staff time	High	Flood Control/ EM Division	Annual-Ongoing	Emergency Manager	General Fund
11	Install backup generators at key critical facilities such as fire and police stations, water pumping stations, sewer lift stations, etc., to provide emergency power for critical operations during power failures caused by severe wind events.	Severe Wind and Weather	Both	Varies Department CIPs	High	Public Works	Ongoing	Public Works	Enterprise Funds and General Fund
12	Provide links on the community's website to sources of hazard mitigation educational materials encouraging residents of Goodyear to be prepared for hazard emergencies.	All Hazards	Both	Staff Time	Medium	EM division Digital Communications Community Risk Reduction	Annual-Ongoing	Emergency Manager	General Fund
13	Participate in occasional dam failure exercises to identify mitigation measures for increasing response effectiveness, such as evacuation planning and coordinated intended shelters.	Dam Inundation	Both	Staff time	Medium	Maricopa County EM/Police/Fire	Bi-Annual	Emergency Manager	General Fund
14	Mandate, encourage or incentivize the use of drought resistant landscaping through ordinance development and/or enforcement.	Drought	Both	Staff time	Medium	Staff training Department/ Division coordination	Annual-Ongoing	Right of Way Development Services Director	General Fund



CITY OF GOODYEAR JURISDICTIONAL SUMMARY

Mitigation actions and projects and implementation strategy for Goodyear									
Mitigation Action/Project					Implementation Strategy				
ID No.	Description	Hazard(s) Mitigated	Community Assets Mitigated (Ex/New)	Estimated Cost	Priority Ranking	Planning Mechanism(s) for Implementation	Anticipated Completion Date	Primary Agency / Job Title Responsible for Implementation	Funding Source(s)
15	Develop, update and maintain a local Drought Management Plan to define various levels of conservation or curtailment requirements that are based on drought severity triggers, system impacts, and enforced through utility billing structures and ordinance.	Drought	Both	Staff time	Medium	Inter-Departmentally updated & vetted	Annual-Ongoing	Public Works / Water Resources Division	General Fund
16	Include addressing subsidence risk as a regular part of the land development and public works projects review and permitting processes.	Subsidence	Both	Staff time	Medium	Staff training department/ Division coordination	Annual-Ongoing	City Engineer, Development Services Director	General Fund
17	Encourage/incentivize homeowners to use tie-down straps and/or anchors to secure metal awnings or porches to mitigate the potential for flying debris during severe wind events.	Severe Wind	Both	Staff time/ Volunteers	Medium	Community Risk Reduction	Annual-Ongoing	Emergency Manager	General Fund
18	Provide links to Arizona Department of Water Resources website as part of a public campaign to raise awareness to the hazards and locations of active subsidence.	Subsidence	Both	Staff time	Medium	EM Division/ Communications Division coordination	Q4, FY 21	Emergency Manager	General Fund



CITY OF GOODYEAR JURISDICTIONAL SUMMARY

As a final step in the planning process, plan maintenance procedures were developed by the MJPT to establish guidelines for maintaining, reviewing, and updating the Plan over the next five (5) years. The MJPT reviewed the current DMA 2000 rules and October 2011 FEMA guidance document and discussed a strategy for performing the required monitoring and evaluation of the Plan over the next 5-year cycle. The MJPT has established the following monitoring and evaluation procedures:

- **Schedule** – The Plan shall be reviewed on at least an annual basis. MCDEM will take the lead to send out an email request to each jurisdiction via the MJPT on or around the month of May.
- **Review Content** – Within the email request distributed by MCDEM, each of the jurisdictions will be requested to provide responses to the following questions:
 - **Hazard Identification:** *Have the risks and hazards changed?*
 - **Goals and Objectives:** *Are the goals and objectives still able to address current and expected conditions?*
 - **Policy and Program Review:** *Are updates or revisions necessary for the policies and programs listed in Tables 6-1-xx of the Plan?*
 - **Mitigation Projects and Actions:** *For each mitigation action/project summarized in Section 6.3.2 of the Plan:*
 - *Has there been activity on the project – Yes or No?*
 - *If Yes, briefly describe what has been done and the current status of the action/project.*
- **Documentation** – Each jurisdiction will review and evaluate the Plan as it relates to their community and document responses to the above questions in the form of an email. MCDEM will archive email responses in a digital format and store with the Plan for incorporation during the next Plan update. Any hard copies will be included in Appendix E.

A formal presentation of the review material will be presented to a jurisdiction's council or board only if a major update to the Plan is proposed prior to the next five year update.

At the five year update, the following actions will be taken:

- ✓ One year prior to the plan expiration date, the MJPT will re-convene to review and assess the materials accumulated in Appendix E of the Plan.
- ✓ The MJPT will update and/or revise the appropriate or affected portions of the plan and produce a revised plan document.
- ✓ The revised plan document will be presented before the respective councils and boards for an official concurrence/adoption of the changes.
- ✓ The revised plan will be submitted to DEMA and FEMA for review, comment and approval.