

Attachment B
Mitigation Actions and Projects and Implementation Strategies

Mitigation actions and projects and implementation strategy for Phoenix										
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, Dam Inundation,	Both	Staff Time	High	Staff Training, Plan Review	Annual- Ongoing	Public Works / Floodplain Manager	General Funds	
2	Continue to include in the General Plan policies that protect the natural flow regime of washes, designate areas for Open Space and Preserves, and when fiscally possible support the use of green stormwater infrastructure/low impact development to address multiple risks.	Flood, Dam Inundation, Extreme Heat, Drought	Both	Staff time	High	Land acquisition and natural resource protection	Annual - ongoing	Parks and Recreation / PPPI Administrator	Phoenix Parks Preserves Initiative; General Fund; Bonds	
3	Storm Drain CIP Program. Construct drainage facilities to mitigate flooding hazard to residents of the city.	Flood, Levee Failure	Both	Variable	High	Staff Training, Plan Review, Design and Construction	Ongoing	Street Transportation Department/ Deputy Street Transportation Director	Bonds/Impact Fees	

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4	Coordinate review and approval of development projects located within flood hazard areas with PDD and Floodplain Management.	Flood, Extreme Heat	Both	Staff time	High	GIS	Annual - ongoing	Planning and Development Department / Planning Researcher	Enterprise	
5	Summer Respite regional program to network with faith-based organizations to provide heat relief, hydration and respite with wellness checks. Program services are provided for the affected populations.	Extreme Heat	N/A - people	Donations totaling \$70,000 annually	High	Heat Relief Network	Annual - ongoing	Human Services/Family Advocacy Director	Corporate, Community, and faith-based contributions	
6	Maintain and execute the Drought Response Plan (Revision in Draft - No Ordinance Change)	Drought	Both	Staff Time	Medium	Master Plan Update and Water Resource Plan Update	Ongoing	Water	WSD Operating Budget	
7	Maintain and execute a water use awareness outreach program.	Drought	Both	Staff Time	Medium	Master Plan Update, Water Resource Plan Update, Drought Response Plan	Ongoing	Water	WSD Operating Budget	

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8	Revise and ratify the General Plan every ten years.	Flood	Both	Staff time	Medium	State statute; Smart Growth Requirement	Ongoing	Planning and Development Department/ Planning Manager	General Fund	
9	Update and adopt a revised building code.	Flood, Severe Wind, Excessive Heat	Both	Staff time; Materials	Medium	Staff training; Community Outreach; Plan review	Annual - ongoing	Planning and Development Department / Assistant Director	Permit fees	
10	Continue to ensure zoning stipulations are met before construction permits are issued, and zoning is compatible with the zoning ordinance.	Flood, Excessive Heat	Both	Staff time	Medium	Zoning Ordinance; Staff training; Plan review	Annual - ongoing	Planning and Development Department / Deputy Director	Permit fees	
11	Dam/Levee Safety Program – Operate and Maintain Dams/Levees to mitigate flooding hazard to the residents of the city.	Flood, Dam Inundation, Levee Failure	Both	Staff Time, Materials	Medium	Staff Training, Plan Review	Annual - Ongoing	Street Transportation Department / Deputy Street Transportation Director	General Funds	

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12	Continue to provide links on the Phoenix.gov/Office of Emergency Management website to sources of hazard mitigation educational materials such as FEMA.gov and Ready.gov	Dam Inundation, Drought, Flood, Severe Wind, Wildfire	Both	Staff Time	Medium	N/A	Annual - ongoing	Office of Homeland Security and Emergency Management, City of Phoenix IT	General Funds	
13	Continue to adhere to the City of Phoenix Building Standards and Review Process, which are regularly updated. The Building and Review Process requires site assessment for presence of, among other conditions, subsidence, and fissures.	Subsidence, Fissure	Both	Staff Time	Medium	Staff Training, Plan Review, Design and Construction	Annual - ongoing	Street Transportation Department: Design and Construction Management	General Funds	
14	Enforce City Ordinance 39-7D, which addresses overgrown vegetation, dead trees, brush and weeds or other conditions that present a health, fire, or safety hazard.	Wildfire	Both	Staff Time	Medium	Staff Training, Zoning Ordinance with Neighborhood Preservation Ordinance	Annual – Ongoing	Neighborhood Services Department: Deputy Director, Preservation Division	General Funds, Community Development Block Grant	
15	Coordinate with private companies and public agencies to study and map subsidence and fissure activity in critical or key areas of the community so that effective mitigation or avoidance strategies can be implemented.	Subsidence, Fissure	Both	Staff Time	Low	Staff Training, Plan Review, Design and Construction	Annual - ongoing	Street Transportation Department: Design and Construction Management	General Funds	

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16	Design and construct Rio Salado Oeste in Salt River (19th Ave-83rd Ave), including low flow channel improvements and riparian/xeri-riparian vegetation to improve flow conveyance and increase native vegetation/habitat.	Flooding and extreme heat	Both	Staff time, design, and construction expenses	High	Rio Reimagined, land acquisition, design and construction	2030	Parks and Recreation Department/Natural Resource Division Deputy Director	TBD; anticipated USACE Civil Works project funds and local city match
17	The "Take a Hike do it Right" Outreach Program aims to educate the general public, including visitors and resort/hotel staff, on hike/trail selection and hiking safety to avoid heat related illnesses.	Extreme heat	Both	Staff time	High	Reincorporate original marketing strategies and enhance effort to wider audience	On going	Parks and Recreation Department/Natural Resource Division Deputy Director	TDB: Grants and possible funding from tourism related sources
18	Provide shade coverage at all City of Phoenix Bus Stops to shelter riders from excessive sunlight and extreme heat. Of the 4050 bus stops in Phoenix, 1500 of them still require shading structure. The T2050 plan will also implement a new bus shelter design to improve shading options for mitigating heat/sun issues for west-facing bus stops.	Extreme Heat	Both	\$20M (additional \$1M per year for maintenance and repair)	High	Public Transit Department's T2050 Plan	2025	Public Transit Department/Facilities Deputy Director	T2050

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19	Increase frequency of bus routes around vulnerable communities (highest ridership, low income, minority) to minimize exposure to extreme heat while waiting for public transit.	Extreme Heat	Both	\$270M for Operating Service; \$55M for the additional buses and replacement buses	High	Public Transit Department's T2050 Plan	2025	Public Transit Department/Facilities Deputy Director	T2050
20	Implement a notification system for Downtown Phoenix businesses to raise hazard awareness and provide advanced warning of potential threats in the area.	All Hazards	Both	TBD, plan to put out RFP Q2 2021	High	Downtown Phoenix Business Master Plan	2022	Downtown Phoenix Partnership/Strategy and Community Affairs	TBD