

Table 11. Flood Mitigation and Floodplain Management Goals^A

Goal ID	Goal	Proposed Goal Revision	Goal Theme ^B	Term of Goal	Target Year	Applicable To (Communities)	Applicable To (HUC 8)	Residual Risk	How will the Goal be Measured	Overarching Goal	Associated Goal IDs
14001001	Increase NFIP participation or adoption of equivalent standards with 90% of communities meeting qualifying standards	Increase NFIP participation or adoption of equivalent standards with 100% of communities meeting qualifying standards. Prioritize the 4 eligible communities in the Region that do not participate in NFIP.	Adoption of floodplain management practices to reduce future flood risk (362.3.b.6)	Short Term (10-Year)	2033	Barstow City, Kermit City, Rankin City, Thorntonville Town	13070001, 13070007, 13070008	Improved floodplain management practices limit flood risk increases to existing structures; annual flood risk to new construction in participating communities will be less than 1%	Number of entities participating in NFIP; number of entities with equivalent standards	Adoption of floodplain management practices to reduce future flood risk (362.3.b.6)	14001002
14001002	Enroll all current non-participating communities into the NFIP and maintain 100% community enrollment with no suspensions or sanctions		Adoption of floodplain management practices to reduce future flood risk (362.3.b.6)	Long Term (30-Year)	2053	Entire RFPG	Entire RFPG	Improved floodplain management practices limit flood risk increases to existing structures; annual flood risk to new construction will be less than 1%	Number of entities participating in NFIP; number of entities with equivalent standards	Adoption of floodplain management practices to reduce future flood risk (362.3.b.6)	14001001
14002001	Increase number of communities that have adopted higher-than-NFIP-minimum standards		Adoption of floodplain management practices to reduce future flood risk (362.3.b.6)	Short Term (10-Year)	2033	Entire RFPG	Entire RFPG	Adopting higher floodplain management standards may help to reduce flood risk to existing and new structures; residual flood risk to structures will remain for flood events with less than 1% annual occurrence	Number of communities that have adopted higher-than-NFIP-minimum standards	Adoption of floodplain management practices to reduce future flood risk (362.3.b.6)	14002002, 14002003
14002002	Increase number of communities enrolled in CRS Program	Increase number of communities enrolled in CRS Program. Prioritize the communities and cities with over 200 structures at risk in the 1% annual chance flood event that are not in the CRS.	Adoption of floodplain management practices to reduce future flood risk (362.3.b.6)	Short Term (10-Year)	2033	Brewster County, Crockett County, El Paso County, Hudspeth County, Jeff Davis County, Terrell County, Ward County, Socorro City, Pecos City, Alpine City, Sonora City, Presidio City, San Elizario City, Monahans City, Balmorhea City, Dell City City, Clint Town, Marfa City, McCamey City, Van Horn Town, Fort Stockton City, Crane City, Toyah Town, Anthony Town, Iraan City, Vinton Village, Grandfalls Town	12090102, 12090103, 13030102, 13040100, 13040201, 13040202, 13040203, 13040204, 13040205, 13040206, 13040207, 13040208, 13040209, 13040210, 13040211, 13040212, 13040301, 13050003, 13050004, 13070001, 13070003, 13070004, 13070005, 13070006, 13070007, 13070008, 13070010, 13070011, 13070012	Enrolling in the CRS Program may help to increase community flood awareness and reduce flood risk to existing and new structures; residual flood risk to structures will remain for flood events with less than 1% annual occurrence	Number of communities that have enrolled in CRS Program	Adoption of floodplain management practices to reduce future flood risk (362.3.b.6)	14002001, 14002003
14002003	Improve CRS rating for the City of El Paso (which has a current CRS Rating of 9)		Adoption of floodplain management practices to reduce future flood risk (362.3.b.6)	Short Term (10-Year)	2033	El Paso City	13040100, 13030102	Improving CRS Rating will help to increase community flood awareness and reduce flood risk to existing and new structures; residual flood risk to structures will remain for flood events with less than 1% annual occurrence	Improvement in City of El Paso CRS Rating	Adoption of floodplain management practices to reduce future flood risk (362.3.b.6)	14002002, 14002003
14003001	Adopt recommended minimum stormwater infrastructure design standards applicable across the region	Adopt recommended minimum stormwater infrastructure design standards applicable across the region. Prioritize the 6 counties and 3 cities with over 200 structures at risk in the 1% annual chance flood event that lack stormwater standards.	Adoption of floodplain management practices to reduce future flood risk (362.3.b.6)	Short Term (10-Year)	2033	Brewster County, Hudspeth County, Jeff Davis County, Pecos County, Terrell County, Ward County, Balmorhea City, Dell City City, Marfa City, Thorntonville Town, McCamey City, Barstow City, Toyah Town, Iraan City, Rankin City, Grandfalls Town	13040205, 13040206, 13040207, 13040208, 13040209, 13040210, 13040211, 13070006, 13040203, 13040204, 13040202, 13070007, 13040100, 13040201, 13050003, 13050004, 13070003, 13070005, 13070006, 13040202, 13040201, 13070004, 13050004, 13040208, 13040209, 13040210, 13040211, 13070003, 13070005, 13070006, 13070008, 13070009, 13070010, 13070001, 13070007, 13040212, 13040208, 13040209, 13040210, 13040211, 13070008, 13070010, 13070012, 13070003, 13070001, 13070007, 13070003, 13050004, 13040202, 13070007, 13070008, 13070001, 13070004, 13070008, 13070007	Region-wide recommended minimum design standards would serve as a guide for communities to implement; residual flood risk will remain for flood events not typically covered in design standards or for communities that do not adopt	Development of recommended minimum stormwater infrastructure design standards	Adoption of floodplain management practices to reduce future flood risk (362.3.b.6)	
14004001	Increase flood protection of unaccredited levees in El Paso County watersheds to meet FEMA levee accreditation requirements and update flood mapping to account for any changes in levee accreditation status		Adoption of floodplain management practices to reduce future flood risk (362.3.b.6)	Short Term (10-Year)	2033	El Paso City	13040100, 13030102	Residual flood risk will remain for flood events exceeding the design capacity of the accredited levees or for areas where levees remain unaccredited	Accreditation of current unaccredited levees by FEMA followed by associated risk map updates	Protect against loss of life and property (362.3.b.13-14)	14004002
14004002	Increase flood protection of unaccredited levees in the region outside of El Paso County watersheds to meet FEMA levee accreditation requirements and update flood mapping to account for any changes in levee accreditation status		Adoption of floodplain management practices to reduce future flood risk (362.3.b.6)	Long Term (30-Year)	2053	Entire RFPG other than El Paso City	Entire RFPG other than HUC 8 Warsheds 13040100 and 13030102	Residual flood risk will remain for flood events exceeding the design capacity of the accredited levees or for areas where levees remain unaccredited	Accreditation of current unaccredited levees by FEMA followed by associated risk map updates	Protect against loss of life and property (362.3.b.13-14)	14004001

Table 11. Flood Mitigation and Floodplain Management Goals^A

Goal ID	Goal	Proposed Goal Revision	Goal Theme ^B	Term of Goal	Target Year	Applicable To (Communities)	Applicable To (HUC 8)	Residual Risk	How will the Goal be Measured	Overarching Goal	Associated Goal IDs
14005001	Increase the number of flood gages (rainfall and/or stream gages) in the region		Flood Hazard Modelling	Short Term (10-Year)	2033	Entire RFPG	Entire RFPG	No changes in flood risk; additional flood gages would improve ability to validate or calibrate existing and new flood models	Number of rainfall and/or stream gages installed	Utilize best available science, data, models, and flood risk mapping (362.3.b.2)	
14006001	Develop and implement region-wide flood warning and emergency response program		Early Warning, Flood Vulnerability Reduction	Short Term (10-Year)	2033	Entire RFPG	Entire RFPG	No physical changes in flood risk; a flood warning and emergency response program would provide advanced warning of flood risks to mitigate loss of life and property during a flood event	Implementation of regional flood warning system	Protect against loss of life and property (362.3.b.13-14)	14006002
14006002	Increase the number of entities that use flood warning signs, traffic message boards, and other media (TV, radio, social media) to communicate flood warnings		Early Warning, Public Information and Outreach, Flood Vulnerability Reduction	Short Term (10-Year)	2033	Entire RFPG	Entire RFPG	No physical changes in flood risk; improved flood warning messaging services would provide critical information to communities to mitigate loss of life and property during a flood event	Number of entities using flood warning signs, traffic message boards, and other media to communicate flood warnings	Protect against loss of life and property (362.3.b.13-14)	14006001
14007001	Establish community-led flood outreach and awareness programs (addressing risk, resiliency, and mitigation) in 30% of communities in the region		Public Information and Outreach, Flood Vulnerability Reduction	Short Term (10-Year)	2033	Entire RFPG		Flood risk for communities without flood outreach and awareness programs will be greater than in communities with these programs; in addition, outreach programs will only reach a portion of community members	Percentage of communities with community-led flood outreach and awareness programs	Enhanced public understanding of flood risk; equity and accountability in decision-making (362.3.b.3, 20-21, 26)	14007002, 14007003
14007002	Establish community-led flood outreach and awareness programs (addressing risk, resiliency, and mitigation) in 90% of communities in the region	Establish community-led flood outreach and awareness programs (addressing risk, resiliency, and mitigation) in all communities with over 200 structures at risk during the 1% annual chance flood event.	Public Information and Outreach, Flood Vulnerability Reduction	Long Term (30-Year)	2053	Alpine city, Balmorhea city, Clint Town, Ozona CDP, Dell City city, El Paso city, El Paso County, Canutillo CDP, Fabens CDP, Fort Bliss CDP, Homestead Meadows North CDP, Kermit city, Marfa city, Monahans city, Pecos city, Imperial CDP, Presidio city, San Elizario city, Socorro city, Sonora city, Sanderson CDP, Southwest Sandhill CDP	13030102, 13040100, 13040201, 13040202, 13040208, 13040301, 13050003, 13050004, 13070001, 13070003, 13070006, 13070007	Flood risk for communities without flood outreach and awareness programs will be greater than in communities with these programs; in addition, outreach programs will only reach a portion of community members	Percentage of communities with community-led flood outreach and awareness programs	Enhanced public understanding of flood risk; equity and accountability in decision-making (362.3.b.3, 20-21, 26)	14007001, 14007003
14007003	Increase entity and public stakeholder participation in the regional flood planning process		Public Information and Outreach, Flood Vulnerability Reduction	Short Term (10-Year)	2033	Entire RFPG	Entire RFPG	No direct change in short-term flood risk; increased stakeholder participation will lead to more comprehensive future regional flood plans and indirect flood risk reduction in the long-term	Number of entities and public stakeholders contributing to future-cycle RFPs	Cooperative planning with local, state, and federal partners (362.3.b.29)	14007002, 14007003
14008001	Increase the coverage of flood hazard data across the region by completing studies in 40% of the areas identified as having current gaps in flood mapping in the first cycle Flood Plan		Flood Hazard Modelling	Short Term (10-Year)	2033	Entire RFPG	Entire RFPG	No physical change in flood risk; completing FMEs will help to better identify flood risk, exposure, and vulnerabilities to life and property	Percentage of FMEs completed from the first-cycle RFP	Evaluate flood risk, exposure, and vulnerabilities to life and property (362.3.b.3-5)	14008002
14008002	Have complete coverage of flood hazard data across the region by completing studies in 100% of the areas identified as having current gaps in flood mapping in the first cycle Flood Plan and have an ongoing, funded maintenance plan for updates		Flood Hazard Modelling	Long Term (30-Year)	2053	Entire RFPG	Entire RFPG	No physical change in flood risk; completing FMEs will help to better identify flood risk, exposure, and vulnerabilities to life and property	Percentage of FMEs completed from the first-cycle RFP	Evaluate flood risk, exposure, and vulnerabilities to life and property (362.3.b.3-5)	14008001
14009001	Remove 10% of the existing structures from 1% annual chance floodplain in the region (either by remapping or flood risk reduction)		Flood Exposure Reduction	Short Term (10-Year)	2033	El Paso City	13040100, 13030102	90% of identified structures will have an annual risk of flooding of >1%; 10% of structures will have an annual risk of flooding of <1%	Number of structures removed from 1% annual chance existing flood hazard layer	Protect against loss of life and property (362.3.b.13-14)	14009002, 14009003, 14009004
14009002	Remove 25% of the existing structures from 1% annual chance floodplain in the region (either by remapping or flood risk reduction)		Flood Exposure Reduction	Short Term (10-Year)	2033	Entire RFPG other than El Paso City	Entire RFPG other than HUC 8 Warsheds 13040100 and 13030102	75% of identified structures will have an annual risk of flooding of >1%; 25% of structures will have an annual risk of flooding of <1%	Number of structures removed from 1% annual chance existing flood hazard layer	Protect against loss of life and property (362.3.b.13-14)	14009001, 14009003, 14009004

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14009003	Remove 20% of the existing structures from 1% annual chance floodplain in the region (either by remapping or flood risk reduction)		Flood Exposure Reduction	Long Term (30-Year)	2053	El Paso City	13040100, 13030102	80% of identified structures will have an annual risk of flooding of >1%; 20% of structures will have an annual risk of flooding of <1%	Number of structures removed from 1% annual chance existing flood hazard layer	Protect against loss of life and property (362.3.b.13-14)	14009001, 14009002, 14009004
14009004	Remove 50% of the existing structures from 1% annual chance floodplain in the region (either by remapping or flood risk reduction)		Flood Exposure Reduction	Long Term (30-Year)	2053	Entire RFPG other than El Paso City	Entire RFPG other than HUC 8 Warsheds 13040100 and 13030102	50% of identified structures will have an annual risk of flooding of >1%; 50% of structures will have an annual risk of flooding of <1%	Number of structures removed from 1% annual chance existing flood hazard layer	Protect against loss of life and property (362.3.b.13-14)	14009001, 14009002, 14009003
14010001	Remove 40% of the low water crossings from 10% annual chance floodplain in the region (either by remapping or flood risk reduction)		Flood Exposure Reduction	Short Term (10-Year)	2033	Entire RFPG	Entire RFPG	60% of identified low water crossings will have an annual risk of flooding of >10%; 40% of low water crossings will have an annual risk of flooding of <10%	Number of low water crossings removed from 10% annual chance existing flood hazard layer	Protect against loss of life and property (362.3.b.13-14)	14010002
14010002	Remove 90% of the low water crossings from 10% annual chance floodplain in the region (either by remapping or flood risk reduction)		Flood Exposure Reduction	Long Term (30-Year)	2053	Entire RFPG		10% of identified low water crossings will have an annual risk of flooding of >10%; 90% of low water crossings will have an annual risk of flooding of <10%	Number of low water crossings removed from 10% annual chance existing flood hazard layer	Protect against loss of life and property (362.3.b.13-14)	14010001
14011001	Increase the number of entities that utilize regional detention for floodplain management		Flood Exposure Reduction	Short Term (10-Year)	2033	Entire RFPG		No change in flood risk for communities that do not utilize regional detention; regional detention does not fully remove flood risk but mitigates flooding for a specified area and design flood event	Number of entities utilizing regional detention	Protect against loss of life and property (362.3.b.13-14)	
14012001	Consider and incorporate nature-based practices in flood risk reduction projects		Nature-based Solution Adoption	Short Term (10-Year)	2033	Entire RFPG		No additional change in flood risk relative to other project types; nature-based solutions will reduce impacts to the environment	Number of flood risk reduction projects with nature-based components	Include strategies and projects that use nature-based features (362.3.b.17)	
14013001	Establish dual usage regional storage facilities for flood mitigation and water supply		Dual-Use Stormwater/Water Supply Benefit	Short Term (10-Year)	2033	Entire RFPG		No changes in flood risk; dual-use projects will contribute to the water supply	Establishment of new dual-use flood mitigation/water supply structures	Contribute to the water supply where possible (362.3.b.18-19)	
14014001	Increase the number of communities with documented, operational, and fully funded stormwater asset management plans		Flood Hazard Modelling, Flood Exposure Reduction	Short Term (10-Year)	2033	Entire RFPG		Entities without stormwater asset management plans have no change in flood risk; entities with new stormwater asset management plans have reduced risk due to better stormwater O&M practices	Number of new entities with stormwater asset management plans	Consideration of funding and long-term operation and maintenance (362.3.b.38)	
14015001	Increase number of new funding sources used to pay for implementation of flood management activities and decrease number of communities without a local funding source		Flood Hazard Modelling, Flood Exposure Reduction, Flood Vulnerability Reduction	Short Term (10-Year)	2033	Entire RFPG		Entities without additional funding have no change in flood risk; entities with new funding sources have reduced flood risk as stormwater O&M and capital projects are funded and implemented	Number of entities with new funding sources for implementation of flood management activities	Consideration of funding and long-term operation and maintenance (362.3.b.38)	14015002
14015002	Increase the number of entities that have a dedicated drainage fee to help implement future Flood Mitigation Evaluations (FMEs) and Flood Mitigation Projects (FMPs)		Flood Hazard Modelling, Flood Exposure Reduction, Flood Vulnerability Reduction	Short Term (10-Year)	2033	Entire RFPG	Entire RFPG	Entities without dedicated drainage fee have no change in flood risk; entities with dedicated drainage fee have reduced flood risk as stormwater O&M and capital projects are funded and implemented	Number of new entities with dedicated drainage fee for implementation of flood management activities	Consideration of funding and long-term operation and maintenance (362.3.b.38)	14015001

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Goal ID	Goal	Proposed Goal Revision	Goal Theme ^B	Term of Goal	Target Year	Applicable To (Communities)	Applicable To (HUC 8)	Residual Risk	How will the Goal be Measured	Overarching Goal	Associated Goal IDs
New		Increase participation in the Regional Flood Plan process. Prioritize the 5 counties and 17 cities with over 50 structures at risk that did not respond to surveys.	Public Information and Outreach	Short Term (10-Year)	2033	Fort Davis CDP, Imperial CDP, Lindsay CDP, Sanderson CDP, Southwest Sandhill CDP, Pecos city, Kermit city, Sonora city, Presidio city, Monahans city, Balmorhea city, Marfa city, Thorntonville Town, McCamey city, Van Horn Town, Fort Stockton city, Barstow city, Crane city, Toyah town, Iraan city, Rankin city, Grandfalls Town	13040201, 13040202, 13040208, 13040301, 13050004, 13070001, 13070003, 13070004, 13070005, 13070007, 13070008				
New		Support the cities and census designated places (CDPs) with over 200 structures at risk in the 1% annual chance flood event that lack Storm Water Master Plans (SWMPs) by 1) developing FMEs for SWMPs where needed and 2) supporting established FME performance.	Flood Hazard Modelling, Flood Exposure Reduction	Short Term (10-Year)	2033	Pecos city, Kermit city, Ozona CDP, Southwest Sandhill CDP, Sonora city, Presidio city, Monahans city, Balmorhea city, Dell City city, Imperial CDP, Sanderson CDP, Marfa city	13070003, 13040201, 13040202, 13040208, 13040301, 13050004, 13070001, 13070007				
New		Support the cities and community designated places (CDPs) with over 200 structures at risk in the 1% AP flood that lack Flood Emergency Action Plans (EAPs) by 1) establishing FMEs to develop the plans, and 2) supporting established FME performance (see Table 6).	Flood Hazard Modelling, Flood Exposure Reduction	Short Term (10-Year)	2033	Alpine city, Balmorhea city, Clint Town, Dell City city, El Paso city, Kermit city, Marfa city, Monahans city, Pecos city, Presidio city, San Elizario city, Socorro city, Sonora city, Counties with CDPs with over 200 structures at risk in the 1% AP flood, Crockett County (Ozona CDP), El Paso County, El Paso County (Canutillo CDP), El Paso County (Fabens CDP), El Paso County (Fort Bliss CDP), El Paso County (Homestead Meadows North CDP), Pecos County (Imperial CDP), Terrell County (Sanderson CDP), Ward County (Southwest Sandhill CDP)	13030102, 13040100, 13040201, 13040202, 13040208, 13040301, 13050003, 13050004, 13070001, 13070003, 13070006, 13070007				

^A This table contains examples of regional flood mitigation and floodplain management goals and does not reflect any TWDB recommended goals based on real data. The goals are included to reflect reporting requirements. The RFPGs are expected to deliberate and gather data necessary to establish goals for their region.

^B If multiple goal themes, list as comma delineated list as shown in first example.