

## **Appendix 3B**

# **Regional Flood Plan Flood Mitigation and Floodplain Management Goals**

**Appendix Table 3B: Regional Flood Plan Flood Mitigation and Floodplain Management Goals**

Goal ID	Goal	Term of Goal	Target Year	Applicable To	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	Short Term (10-year)	2033	Entire RFPG	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	Long Term (30-year)	2053	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	Short Term (10-year)	2033	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	Short Term (10-year)	2033	Entire RFPG	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

Goal ID	Goal	Term of Goal	Target Year	Applicable To	Residual Risk	How Will the Goal Be Measured	Overarching Goal	Associated Goal IDs
14002003	Improve CRS rating for the City of El Paso (which has a current CRS Rating of 9)	Short Term (10-year)	2033	HUC 8 Watersheds 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	Short Term (10-year)	2033	Entire RFPG	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)	n/a
14004001	Increase flood protection of unaccredited levees <u>in El Paso County watersheds</u> to meet FEMA levee accreditation requirements and update flood mapping to account for any changes in levee accreditation status	Short Term (10-year)	2033	HUC 8 Watersheds 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

Goal ID	Goal	Term of Goal	Target Year	Applicable To	Residual Risk	How Will the Goal Be Measured	Overarching Goal	Associated Goal IDs
14004002	Increase flood protection of unaccredited levees in the region <u>outside of El Paso County watersheds</u> to meet FEMA levee accreditation requirements and update flood mapping to account for any changes in levee accreditation status	Long Term (30-year)	2053	Entire RFPG Except for HUC 8 Watersheds 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)	14004001
14005001	Increase the number of flood gages (rainfall and/or stream gages) in the region	Short Term (10-year)	2033	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)	n/a
14006001	Develop and implement region-wide flood warning and emergency response program	Short Term (10-year)	2033	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	Short Term (10-year)	2033	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

Goal ID	Goal	Term of Goal	Target Year	Applicable To	Residual Risk	How Will the Goal Be Measured	Overarching Goal	Associated Goal IDs
14007001	Establish community-led flood outreach and awareness programs (addressing risk, resiliency, and mitigation) in 30% of communities in the region	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	Long Term (30-year)	2053	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)	14007001, 14007003
14007003	Increase entity and public stakeholder participation in the regional flood planning process	Short Term (10-year)	2033	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	Short Term (10-year)	2033	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

Goal ID	Goal	Term of Goal	Target Year	Applicable To	Residual Risk	How Will the Goal Be Measured	Overarching Goal	Associated Goal IDs
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	Long Term (30-year)	2053	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 in <u>El Paso County watersheds</u> from 1% annual chance floodplain in the region (either by remapping or flood risk reduction)	Short Term (10-year)	2033	HUC 8 Watersheds 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 <u>outside of El Paso County watersheds</u> from 1% annual chance floodplain in the region (either by remapping or flood risk reduction)	Short Term (10-year)	2033	Entire RFPG Except for HUC 8 Watersheds 13040100, 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
14009003	Remove 20% of the existing structures in <u>El Paso County watersheds</u> from 1% annual chance floodplain in the region (either by remapping or flood risk reduction)	Long Term (30-year)	2053	HUC 8 Watersheds 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

Goal ID	Goal	Term of Goal	Target Year	Applicable To	Residual Risk	How Will the Goal Be Measured	Overarching Goal	Associated Goal IDs
14009004	Remove 50% of the existing structures <u>outside of El Paso County watersheds</u> from 1% annual chance floodplain in the region (either by remapping or flood risk reduction)	Long Term (30-year)	2053	Entire RFPG Except for HUC 8 Watersheds 13040100, 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)	Short Term (10-year)	2033	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)	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	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)	n/a
14012001	Consider and incorporate nature-based practices in flood risk reduction projects	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)	n/a

Goal ID	Goal	Term of Goal	Target Year	Applicable To	Residual Risk	How Will the Goal Be Measured	Overarching Goal	Associated Goal IDs
14013001	Establish dual usage regional storage facilities for flood mitigation and water supply	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)	n/a
14014001	Increase the number of communities with documented, operational, and fully funded stormwater asset management plans	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)	n/a
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	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)	Short Term (10-year)	2033	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