

**TABLE 11: REGIONAL FLOOD PLAN FLOOD MITIGATION AND FLOODPLAIN MANAGEMENT GOALS**

Table 11: Flood Mitigation and Floodplain Management Goals

| Goal ID  | RFPG No. | RFPG Name        | Goal   | Term of Goal         | Target Year | Applicable To | Residual Risk  | Measurement Method  | Overarching Goal              | Associated Goal IDs |
|----------|----------|------------------|--|----------------------|-------------|---------------|--|---|-------------------------------|---------------------|
| 15000001 | 15       | Lower Rio Grande | Increase the number of nature-based flood risk reduction projects by 20% - 30%   | Short Term (10 year) | 2023        | entire RFPG   | Existing flood risk remains after implementation of nature-based projects, unless the project specifically addresses existing flood risk.  | % of nature-based flood risk reduction projects relative to projects that are not nature based                                  | Flood Infrastructure Projects | 15000002            |
| 15000002 | 15       | Lower Rio Grande | Increase the number of nature-based flood risk reduction projects by greater than 50%  | Long Term (30 year)  | 2053        | entire RFPG   | Existing flood risk remains after implementation of nature-based projects, unless the project specifically addresses existing flood risk.  | % of nature-based flood risk reduction projects relative to projects that are not nature based                                  | Flood Infrastructure Projects | 15000001            |
| 15000003 | 15       | Lower Rio Grande | Reduce the number of newly constructed vulnerable critical facilities within the existing and future 1% annual chance floodplain event by over 70%   | Short Term (10 year) | 2023        | entire RFPG   | Existing flood risk remains for existing critical facilities and 30% of future critical facilities.  | % of critical facilities in the region within the existing or future 1% annual chance floodplain                                | Flood Infrastructure Projects | 15000004            |
| 15000004 | 15       | Lower Rio Grande | Reduce the number of newly constructed vulnerable critical facilities within the existing and future 1% annual chance floodplain event by 100%   | Long Term (30 year)  | 2053        | entire RFPG   | Existing flood risk remains for existing critical facilities.  | % of critical facilities in the region within the existing or future 1% annual chance floodplain                                | Flood Infrastructure Projects | 15000003            |
| 15000005 | 15       | Lower Rio Grande | Increase community access routes to critical facilities, evacuation routes, during and after a flooding event by performing a study to establish a baseline  | Short Term (10 year) | 2023        | entire RFPG   | Existing flood risk is unaffected by study to determine baseline.  | % of residential areas with safe access routes during and after flooding events   | Flood Infrastructure Projects | 15000006            |
| 15000006 | 15       | Lower Rio Grande | Increase community access routes to critical facilities, evacuation routes, during and after a flooding event by 2 times the baseline %  | Long Term (30 year)  | 2053        | entire RFPG   | Existing flood risk will remain for residential areas that do not have a project to mitigate flooding that impedes access routes.  | % of residential areas with safe access routes during and after flooding events   | Flood Infrastructure Projects | 15000005            |
| 15000007 | 15       | Lower Rio Grande | Increase the number of entities that provide regional detention that could be used for water reuse applications or as part of their floodplain management program by over 30%  | Short Term (10 year) | 2023        | entire RFPG   | Existing flood risk will remain for project areas where the proposed regional detention facility does not address existing flood risk.   | % of entities that provide regional detention as part of their floodplain management program                                    | Flood Infrastructure Projects | 15000008            |
| 15000008 | 15       | Lower Rio Grande | Increase the number of entities that provide regional detention that could be used for water reuse applications or as part of their floodplain management program by over 60%  | Long Term (30 year)  | 2053        | entire RFPG   | Existing flood risk will remain for project areas where the proposed regional detention facility does not address existing flood risk.   | % of entities that provide regional detention as part of their floodplain management program                                    | Flood Infrastructure Projects | 15000007            |
| 15000009 | 15       | Lower Rio Grande | Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger to 40% to 50% of the most populated areas of the region. | Short Term (10 year) | 2023        | entire RFPG   | Risk of inundation will remain unaltered, however, the risk of loss of life is expected to be reduced for half the most populated areas due to an advanced warning and emergency response program.   | % of Region 15 population covered by a warning and emergency response program   | Flood Warning and Readiness   | 15000010            |
| 15000010 | 15       | Lower Rio Grande | Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger to over 70% of the most populated areas of the region.   | Long Term (30 year)  | 2053        | entire RFPG   | Risk of inundation will remain unaltered, however, the risk of loss of life is expected to be reduced for 70% of the most populated areas due to an advanced warning and emergency response program. | % of Region 15 population covered by a warning and emergency response program   | Flood Warning and Readiness   | 15000009            |
| 15000011 | 15       | Lower Rio Grande | Increase the number of flood gauges (rainfall/stream) in the region by 30% to 40%.   | Short Term (10 year) | 2023        | entire RFPG   | Flood risk will remain unaltered by the placement of the gauges. It is the intent to use data from gauges to implement flood mitigation projects, validate models and advance warning programs.      | % of watershed and streams with active gauges   | Flood Warning and Readiness   | 15000012            |
| 15000012 | 15       | Lower Rio Grande | Increase the number of flood gauges (rainfall/stream) in the region by over 70%.   | Long Term (30 year)  | 2053        | entire RFPG   | Flood risk will remain unaltered by the placement of the gauges. It is the intent to use data from gauges to implement flood mitigation projects, validate models and advance warning programs.      | % of watershed and streams with active gauges   | Flood Warning and Readiness   | 15000011            |
| 15000013 | 15       | Lower Rio Grande | Increase the number of entities that use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations to over 40%                                      | Short Term (10 year) | 2023        | entire RFPG   | Risk of inundation will remain unaltered, however, the risk of loss of life is expected to be reduced in 40% of the entities due to these measures.  | % of entities using real-time media services and/or Reverse 911 to warn of flood risks, evacuation routes and shelter locations | Flood Warning and Readiness   | 15000014            |
| 15000014 | 15       | Lower Rio Grande | Increase the number of entities that use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations to over 70%                                      | Long Term (30 year)  | 2053        | entire RFPG   | Risk of inundation will remain unaltered, however, the risk of loss of life is expected to be reduced in 70% of the entities due to these measures.  | % of entities using real-time media services and/or Reverse 911 to warn of flood risks, evacuation routes and shelter locations | Flood Warning and Readiness   | 15000013            |
| 15000015 | 15       | Lower Rio Grande | Increase the number of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings by over 30% | Short Term (10 year) | 2023        | entire RFPG   | Risk of inundation will remain unaltered, however, the risk of loss of life is expected to be reduced in 30% of the entities due to these measures.  | % of entities integrating NWS and TXWSC flood warning system information into their own systems                                 | Flood Warning and Readiness   | 15000016            |
| 15000016 | 15       | Lower Rio Grande | Increase the number of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings by over 50% | Long Term (30 year)  | 2053        | entire RFPG   | Risk of inundation will remain unaltered, however, the risk of loss of life is expected to be reduced in 50% of the entities due to these measures.  | % of entities integrating NWS and TXWSC flood warning system information into their own systems                                 | Flood Warning and Readiness   | 15000015            |
| 15000017 | 15       | Lower Rio Grande | Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs in the region by 30% to 40%  | Short Term (10 year) | 2023        | entire RFPG   | Flood risk will remain, however, the population of the entities with the updated FIRM maps will have access to maps that better represent their flood risk and for use when making decisions.        | % of entities that have FIRM maps that are less than 20 years old   | Flood Studies and Analysis    | 15000018            |

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|----------|----------|------------------|---|----------------------|-------------|---------------|---|--|--|---------------------|
| 15000018 | 15       | Lower Rio Grande | Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs in the region by over 70%   | Long Term (30 year)  | 2053        | entire RFPG   | Flood risk will remain, however, the population of the entities with the updated FIRM maps will have access to maps that better represent their flood risk for use when making decisions.       | % of entities that have FIRM maps that are less than 20 years old  | Flood Studies and Analysis                                   | 15000017            |
| 15000019 | 15       | Lower Rio Grande | Increase the coverage of available flood hazard data in the region, including at ports of entry, airports, and seaports, by completing studies with identified construction projects to address flooding hazards, in areas identified as having gaps in flood mapping data by 30% to 40%                              | Short Term (10 year) | 2023        | entire RFPG   | Flood risk will remain, however, the population of the entities with the updated floodplain mapping will have access to maps that represent their flood risk and for use when making decisions. | % of entities that have completed studies (less than 10 years old) identifying flood hazards as described                | Flood Studies and Analysis                                   | 15000020            |
| 15000020 | 15       | Lower Rio Grande | Increase the coverage of available flood hazard data in the region, including at ports of entry, airports, and seaports, by completing studies with identified construction projects to address flooding hazards, in areas identified as having gaps in flood mapping data by over 70%                                | Long Term (30 year)  | 2053        | entire RFPG   | Flood risk will remain, however, the population of the entities with the updated floodplain mapping will have access to maps that represent their flood risk and for use when making decisions. | % of entities that have completed studies (less than 10 years old) identifying flood hazards as described                | Flood Studies and Analysis                                   | 15000019            |
| 15000021 | 15       | Lower Rio Grande | Have 40% to 50% of entities develop and maintain an operational stormwater asset management plan  | Short Term (10 year) | 2023        | entire RFPG   | Flood risk will remain at existing conditions levels unless strategic efforts identified in the plan are implemented to mitigate additional flood risk.   | % of entities that utilize a stormwater asset management plan  | Flood Studies and Analysis                                   | 15000022            |
| 15000022 | 15       | Lower Rio Grande | Have over 70% of entities develop and maintain an operational stormwater asset management plan  | Long Term (30 year)  | 2053        | entire RFPG   | Flood risk will remain at existing conditions levels unless strategic efforts identified in the plan are implemented to mitigate additional flood risk.   | % of entities that utilize a stormwater asset management plan  | Flood Studies and Analysis                                   | 15000021            |
| 15000023 | 15       | Lower Rio Grande | Increase the number of Region 15 communities participating in the National Flood Insurance Program to 100%  | Short Term (10 year) | 2023        | entire RFPG   | Existing flood risk will remain.  | % of entities in Region 15 enrolled in NFIP  | Guidance   | 15000024            |
| 15000024 | 15       | Lower Rio Grande | Maintain the number of Region 15 communities participating in the National Flood Insurance Program at 100%  | Long Term (30 year)  | 2053        | entire RFPG   | Existing flood risk will remain.  | % of entities in Region 15 enrolled in NFIP  | Guidance   | 15000023            |
| 15000025 | 15       | Lower Rio Grande | Increase the number of entities that adopt higher than NFIP-minimum standards by 40% to 50%   | Short Term (10 year) | 2023        | entire RFPG   | Existing flood risk will remain through region and future flood risk will be mitigated to a greater degree in half the region's entities  | % of entities that adopt higher than NFIP minimum standards  | Guidance   | 15000026            |
| 15000026 | 15       | Lower Rio Grande | Increase the number of entities that adopt higher than NFIP-minimum standards by 60% to 70%   | Long Term (30 year)  | 2053        | entire RFPG   | Existing flood risk will remain through region and future flood risk will be mitigated to a greater degree in half the region's entities  | % of entities that adopt higher than NFIP minimum standards  | Guidance   | 15000025            |
| 15000027 | 15       | Lower Rio Grande | Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain by 30% to 40%           | Short Term (10 year) | 2023        | entire RFPG   | Existing flood risk will remain in region and future flood risk will be mitigated to a greater degree in 40% of region's entities.  | % of entities in Region 15 actively participating in the Community Rating System   | Guidance   | 15000028            |
| 15000028 | 15       | Lower Rio Grande | Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain by over 50% of entities | Long Term (30 year)  | 2053        | entire RFPG   | Existing flood risk will remain in region and future flood risk will be mitigated to a greater degree in over 50% of region's entities.   | % of entities in Region 15 actively participating in the Community Rating System   | Guidance   | 15000027            |
| 15000029 | 15       | Lower Rio Grande | Increase the number of entities that have multi-year drainage CIP list by over 40%  | Short Term (10 year) | 2023        | entire RFPG   | Existing flood risk will remain in region until identified project in CIP are constructed that address existing flood risk.   | % of entities in Region 15 with 20-yr drainage CIPs  | Guidance   | 15000030            |
| 15000030 | 15       | Lower Rio Grande | Increase the number of entities that have multi-year drainage CIP list by over 70%  | Long Term (30 year)  | 2053        | entire RFPG   | Existing flood risk will remain in region until identified projects in CIP are constructed that address existing flood risk.  | % of entities in Region 15 with 20-yr drainage CIPs  | Guidance   | 15000029            |
| 15000031 | 15       | Lower Rio Grande | Reduce the number of structures that have been subject to repeated flooding events through property buyouts by over \$10 million  | Short Term (10 year) | 2023        | entire RFPG   | Existing flood risk will remain for those structures subject to repeated flooding that were not purchased.  | Estimated \$ value of benefits incurred through property buyout programs annually  | Property Acquisition, Structure Elevation, and Floodproofing | 15000032            |
| 15000032 | 15       | Lower Rio Grande | Reduce the number of structures that have been subject to repeated flooding events through property buyouts by \$20 million to \$50 million   | Long Term (30 year)  | 2053        | entire RFPG   | Existing flood risk will remain for those structures subject to repeated flooding that were not purchased.  | Estimated \$ value of benefits incurred through property buyout programs annually  | Property Acquisition, Structure Elevation, and Floodproofing | 15000031            |
| 15000033 | 15       | Lower Rio Grande | Increase the acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use by over 300,000 acres   | Short Term (10 year) | 2023        | entire RFPG   | Existing flood risk will remain unchanged unless a project is constructed in these protected open spaces to mitigate existing flood risk.   | Number of acres of publicly protected open space in critical flood risk areas that is reused for a beneficial public use | Property Acquisition, Structure Elevation, and Floodproofing | 15000034            |
| 15000034 | 15       | Lower Rio Grande | Increase the acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use by 600,000 to 800,000 acres   | Long Term (30 year)  | 2053        | entire RFPG   | Existing flood risk will remain unchanged unless a project is constructed in these protected open spaces to mitigate existing flood risk.   | Number of acres of publicly protected open space in critical flood risk areas that is reused for a beneficial public use | Property Acquisition, Structure Elevation, and Floodproofing | 15000033            |

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| 15000035 | 15       | Lower Rio Grande | Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure by over 30%   | Short Term (10 year) | 2023        | entire RFPG   | Existing and future flood risk will remain unchanged unless a project is constructed in these publicly owned spaces to mitigate future flood risk in that location.                                 | % increase in county-owned land in region                               | Property Acquisition, Structure Elevation, and Floodproofing | 15000036            |
| 15000036 | 15       | Lower Rio Grande | Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure by over 50%   | Long Term (30 year)  | 2053        | entire RFPG   | Existing and future flood risk will remain unchanged unless a project is constructed in these publicly owned spaces to mitigate future flood risk in that location.                                 | % increase in county-owned land in region                               | Property Acquisition, Structure Elevation, and Floodproofing | 15000035            |
| 15000037 | 15       | Lower Rio Grande | Increase the number of outreach and education activities, specifically targeting municipal floodplain managers throughout Region 15, hosted by Region 15 RFPG and available on the website by 20% to 30%. | Short Term (10 year) | 2023        | entire RFPG   | Existing and future flood risk will remain unchanged unless a municipal floodplain manager leverages the information and partnerships they gained from the program to implement mitigation efforts. | % increase in the number of outreach activities                         | Education and Outreach                                       | 15000038            |
| 15000038 | 15       | Lower Rio Grande | Increase the number of outreach and education activities, specifically targeting municipal floodplain managers throughout Region 15, hosted by Region 15 RFPG and available on the website by over 60%.   | Long Term (30 year)  | 2053        | entire RFPG   | Existing and future flood risk will remain unchanged unless a municipal floodplain manager leverages the information and partnerships they gained from the program to implement mitigation efforts. | % increase in the number of outreach activities                         | Education and Outreach                                       | 15000037            |
| 15000039 | 15       | Lower Rio Grande | Increase the number of entities and public stakeholders participating in the regional flood planning process by 30% to 40%  | Short Term (10 year) | 2023        | entire RFPG   | Existing and future flood risk will remain unchanged until entities implement mitigation efforts outlined in the Regional Flood Plan.   | % of entities and stakeholders annually performing outreach activities. | Education and Outreach                                       | 15000040            |
| 15000040 | 15       | Lower Rio Grande | Increase the number of entities and public stakeholders participating in the regional flood planning process by over 70%  | Long Term (30 year)  | 2053        | entire RFPG   | Existing and future flood risk will remain unchanged until entities implement mitigation efforts outlined in the Regional Flood Plan.   | % of entities and stakeholders annually performing outreach activities. | Education and Outreach                                       | 15000039            |
| 15000041 | 15       | Lower Rio Grande | Increase the proficiency of floodplain managers by increasing the number of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association by over 25%.  | Short Term (10 year) | 2023        | entire RFPG   | Existing and future flood risk will remain unchanged unless a floodplain manager leverages the information and partnerships they gained from the program to implement mitigation efforts.           | % of Region 15 floodplain managers who have CFM certifications          | Education and Outreach                                       | 15000042            |
| 15000042 | 15       | Lower Rio Grande | Increase the proficiency of floodplain managers by increasing the number of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association by over 70%.  | Long Term (30 year)  | 2053        | entire RFPG   | Existing and future flood risk will remain unchanged unless a floodplain manager leverages the information and partnerships they gained from the program to implement mitigation efforts.           | % of Region 15 floodplain managers who have CFM certifications          | Education and Outreach                                       | 15000041            |