



**EAST-WEST GATEWAY**  
**Council of Governments**

Creating Solutions Across Jurisdictional Boundaries

# St. Louis Regional Hazard Mitigation Plan City Questionnaire

Thank you for filling out the information below. Not only does your contribution help East-West Gateway (EWG) develop and maintain the St. Louis Regional Hazard Mitigation Plan (HMP), but it is also a critical step in ensuring your city is eligible to apply for hazard mitigation grants.

Date:

**Please fill out the questions below as completely as possible and list everyone who contributed information. There are three sections: 1) jurisdiction information (pages 1 – 7), 2) HMP goals and action strategies rankings (pages 8 – 11), and 3) mitigation action strategies (pages 12 – 28). All sections must be filled out to be eligible for Federal Emergency Management Agency (FEMA) hazard mitigation funds.**

Questions? Email [hazardmit@ewgateway.org](mailto:hazardmit@ewgateway.org) or sign up for our online 'office hours' at <https://www.ewgateway.org/hazardupdate/>.

*Name(s) &  
Title(s)*

*City*

*Contact name  
and email*

|  |  |  |                               |                      |                  |
|--|--|--|-------------------------------|----------------------|------------------|
| <p>1. How many critical facilities are in the incorporated area of your city?</p>  | <p>Critical facilities = schools, hospitals, government buildings, railroads, highways</p> | <p>Number</p>  |                               |                      |                  |
| <p>2. Please provide your city's property tax valuation/assessment for the most current year.</p>  | <p>Year</p>  | <p>Valuation</p>   |                               |                      |                  |
| <p>3. What are your city's expected development trends over the next 5 years? Please list expected development, housing, commercial, retail.</p> | <p>Example: anticipate 5% growth, stay the same, or decrease by 3%, etc.</p>               | <p>Why? (Example, new housing development, loss of major employer, etc.)</p> |                               |                      |                  |
| <p>4. Please provide the year of your city's adopted building codes (if not all same year, please list each code with year)</p>                  | <p>Building code</p>   | <p>Plumbing code</p>   | <p>Mechanical code</p>        | <p>Electric code</p> | <p>Fire code</p> |
| <p>5. Please provide the year your city anticipates adopting newer or current building codes and the code year.</p>                              | <p>Example, in 2024 City will adopt the 2021 International Building Code (IBC).</p>        | <p>Year</p>  |                               |                      |                  |
| <p>6. Has your city flooded in the past?</p>   | <p>Yes</p>   | <p>If yes, what years?</p>   | <p>No</p>                     |                      |                  |
| <p>7. What rivers/creeks border or run through your city?</p>  | <p>Please list:</p>  |  |                               |                      |                  |
| <p>8. Do you allow construction/development in your flood zone(s)?</p>   | <p>Yes</p>   | <p>No</p>  | <p>Explanation if needed:</p> |                      |                  |

|   |  |   |  |
|---|--|---|--|
| <p>9. How many critical facilities are in your flood zone(s)?</p>                                   | <p>Critical facilities = Schools, hospitals, government buildings, railroads, bridges, and highways</p>  |   | <p>Number:</p>   |
| <p>10. Have structures in your city experienced repetitive losses due to flooding?</p>              | <p>Yes</p>   | <p>If yes, what years?</p>                                  | <p>No</p>  |
| <p>11. Does your city have at-risk populations in flood zones or areas prone to flash flooding?</p> | <p>At risk populations = people without access to transportation, those who speak English as a second language or not at all, those living in poverty, people over 60 years, and persons of color.</p> | <p>If yes, please list percent of total city population</p> | <p>No</p>  |
| <p>12. Does your city participate in the National Flood Insurance Program (NFIP)?</p>               | <p>Yes</p>   | <p>No</p>   | <p>If no, please describe why not and skip to question #17</p> |
| <p>13. Has your city adopted NFIP minimum floodplain management criteria via city ordinance?</p>    | <p>Yes</p>   | <p>No</p>   | <p>If no, please describe why not</p>                          |
| <p>14. Has your city adopted the latest effective Flood Insurance Rate Map (FIRM)?</p>              | <p>Yes</p>   | <p>No</p>   | <p>If no, please describe why not</p>                          |

|   |  |  |  |
|---|--|--|--|
| <p>15. Has your city appointed a designee or agency to implement the addressed commitments and requirements of NFIP?</p>  | Yes  | No   | If yes, please list designee or agency (title and/or department, do not list person by name) |
| <p>16. Please describe how your city implements the 'substantial improvement/substantial damage' provisions of your floodplain management regulations after a flooding event.</p>   |  |  |  |
| <p>17. Does your city have any sinkholes or areas of potential ground failure?</p>  | Yes  | If yes, how many?                                    | No, if no, please skip to #20  |
| <p>18. Are there any critical facilities in ground failure areas?</p>   | Yes  | If yes, how many?                                    | No   |
| <p>19. Does your city have at-risk populations in areas with potential ground failure?</p>  | If yes, please list percent of total city population |  | No   |
| <p>20. Does your city sit behind any levees?</p>  | Yes  | If yes, how many?                                    | No, if no, please skip to #23  |
| <p>21. Does your city have at-risk populations behind levees?</p>   | Yes  | If yes, please list percent of total city population | No   |
| <p>22. Are there any critical facilities behind the levees?</p>   | Yes  | If yes, how many?                                    | No   |
| <p>23. Is your city located downstream/below any high hazard potential dam(s)?<br/>High hazard potential dams are those dams that should there be a failure, there is risk to human life. The Inventory of dams can be found here - <a href="https://nid.sec.usace.army.mil/#/">https://nid.sec.usace.army.mil/#/</a></p> | Yes  | If yes, how many?                                    | No, if no, please skip to #28  |
| <p>24. Are there any critical facilities below the high hazard potential dam(s)?</p>  | Yes  | No   | If yes, how many?  |

|   |   |  |                |         |
|---|---|--|----------------|---------|
| 25. Does your city have at-risk populations downstream of high hazard potential dam(s)?                                       | Yes                                     | If yes, please list percent of total city population | No             |         |
| 26. Please describe if/how your city coordinates with local dam owner(s).   |   |  |                |         |
| 27. If your city has a high hazard potential dam(s), please describe your coordination efforts with downstream jurisdictions. |   |  |                |         |
| 28. Does your city have at-risk populations living in housing that may be vulnerable to tornadoes?                            | Yes                                     | If yes, please list percent of total population      | No             |         |
| 29. Has your city completed any hazard mitigation activities/projects in the last 5 years?                                    | Yes                                     | No   | What projects? | Budget? |
| 30. Is your city currently receiving funds for hazard mitigation planning or projects?  | Yes, please list what plans or projects |  | No             |         |

|  |  |                             |  |                   |
|--|--|-----------------------------|--|-------------------|
| <p>31. Does your city plan to apply for hazard mitigation grant funds in the next 5 years, and if so, for what kind of projects?</p> | Yes  | No                          | What projects?   | Approximate cost? |
| <p>32. How will your city incorporate the St. Louis Regional Hazard Mitigation Plan into your existing plans?</p>                    | <p>Example: Emergency Operations Plan, Capital Improvement Plan, Master Plan, etc.</p>                     |                             | <p>Please list which plans (<b>must include at least one plan</b>)</p> |                   |
| <p>33. Please list your city's emergency capabilities</p>  | <p>Example: 35 firefighters, 26 police officers</p>  |                             |  |                   |
| <p>34. Please list your city's emergency powers</p>  | <p>Example: ability to declare emergency, ability to order evacuation, ability to declare curfew, etc.</p> |                             |  |                   |
| <p>35. Does your city have an emergency notification system (e.g. Code Red)?</p>   | Yes  | If yes, please provide name | If yes, how much does the system cost annually?                        | No                |

|  |              |                   |    |
|--|--------------|-------------------|----|
| 36. Does your city have emergency alert sirens?  | Yes          | If yes, how many? | No |
| 37. What methods or mechanisms do you have available to communicate with your residents for non-emergencies? (e.g., X, Facebook, bill inserts, email subscription, web page, etc.)   | Please list: |                   |    |
| 38. Please list any mitigation strategies or additions to the St. Louis Regional Hazard Mitigation Plan not included in the Plan Goals and Mitigation Actions section (pages 8 – 11) that you would like considered for adoption in plan amendments or future plans. |              |                   |    |
| For flooding   |              |                   |    |
| For winter storms  |              |                   |    |
| For heat waves   |              |                   |    |
| For tornadoes  |              |                   |    |
| For drought  |              |                   |    |
| For earthquakes  |              |                   |    |
| For sinkhole / ground failure  |              |                   |    |
| For dam / levee failure  |              |                   |    |
| For wildfires  |              |                   |    |
| For severe thunderstorms   |              |                   |    |
| 39. What is the natural disaster most likely to most significantly impact your city and why? (can be more than one)  |              |                   |    |

Thank you for providing the above information! It is a key part in making your city eligible for hazard mitigation grant funding.

If you have any questions, please email [hazardmit@ewgateway.org](mailto:hazardmit@ewgateway.org).

To sign up for virtual office hours to discuss the questionnaire or something else related to hazard mitigation, visit <https://www.ewgateway.org/hazardupdate/>.

## St. Louis Regional Hazard Mitigation Plan Goals and Mitigation Actions

The goals for the St. Louis Regional Hazard Mitigation Plan are as follows:

1. Prepare communities in advance of a natural disaster to prevent loss of life, minimize injury, and illness;
2. Preserve and maintain property, including public and private infrastructure, businesses, and individual homes, and improve community vitality; and
3. Encourage regional, county, and local planning and development that reduces future risk from natural disaster and is consistent with the hazard mitigation plan.

St. Louis Regional HMP goals are based on grant fundable measures. Although not all mitigation action strategies listed below are fundable, most listed meet those criteria.

| <b>ST. LOUIS REGIONAL HAZARD MITIGATION PLAN ACTION STRATEGY RANKING</b>   |          |   |   |        |   |   |
|--|----------|---|---|--------|---|---|
| <p><b>For each action strategy, circle or highlight a Priority as high - H, medium - M or low – L and an Action as ongoing - O, complete – C or deferred - D.</b></p> <p><b>Please rank all mitigation action strategies for each natural hazard that your jurisdiction has experienced or anticipates could experience.</b></p> |          |   |   |        |   |   |
| <b>4.1 – Tornado</b>   |          |   |   |        |   |   |
| Mitigation Action Strategies   | Priority |   |   | Action |   |   |
| 1. Build safe rooms for schools, community centers, mobile home communities, critical municipal and infrastructure operations and require construction of safe rooms within new public buildings   | H        | M | L | O      | C | D |
| 2. Develop and maintain early warning systems to target public and specific, vulnerable communities  | H        | M | L | O      | C | D |
| 3. Retrofit one- and two-family residences and infrastructure and essential buildings  | H        | M | L | O      | C | D |
| 4. Adopt current building codes and adopt ordinances to exceed minimum construction standards for high winds and develop ordinance to require underground utility lines in new developments  | H        | M | L | O      | C | D |
| 5. Require anchoring of manufactured homes and exterior attachments and incorporate local inspections  | H        | M | L | O      | C | D |
| 6. Create and improve early warning systems for tornado events including sirens, and targeted response such as Reverse 911, Code Red, Everbridge, Nixle, etc. and integrate communications systems to provide rapid communication and response   | H        | M | L | O      | C | D |
| 7. Conduct risk assessments for tornado events   | H        | M | L | O      | C | D |
| 8. Acquire necessary equipment, including generators, tree trimming equipment, and pumps, to secure lives and property   | H        | M | L | O      | C | D |
| 9. Develop a plan for tornado mitigation   | H        | M | L | O      | C | D |
| <b>4.2 – Winter Storms</b>   |          |   |   |        |   |   |
| Mitigation Action Strategies   | Priority |   |   | Action |   |   |
| 1. Create and support neighborhood initiatives for at risk populations, including, but not limited to elderly, unhoused, and those unable to afford their utility bills and establish relief centers and encourage the public and pets to use the centers  | H        | M | L | O      | C | D |
| 2. Build new or retrofit existing structures for warming centers   | H        | M | L | O      | C | D |



|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| 3. Ensure all-weather capabilities for emergency equipment                                    | H | M | L | O | C | D |
| 4. Acquire necessary equipment, including generators, and pumps, to secure lives and property | H | M | L | O | C | D |
| 5. Develop a plan for winter storm mitigation   | H | M | L | O | C | D |

#### 4.3 – Extreme Heat

| Mitigation Action Strategies  | Priority |   |   | Action |   |   |
|---|----------|---|---|--------|---|---|
| 1. Create and support neighborhood initiatives for at risk populations, including, but not limited to elderly, unhoused, and those unable to afford their utility bills and establish relief centers and encourage the public and pets to use the centers | H        | M | L | O      | C | D |
| 2. Build new or retrofit existing structures for cooling centers  | H        | M | L | O      | C | D |
| 3. Increase tree planting and enhance shade availability to mitigate heat impacts   | H        | M | L | O      | C | D |
| 4. Enforce burn ordinances and audit water loss and incentivize water reuse   | H        | M | L | O      | C | D |
| 5. Repair, retrofit, and maintain water supply systems to minimize water loss   | H        | M | L | O      | C | D |
| 6. Provide soil and water conservation practices education for farmers  | H        | M | L | O      | C | D |
| 7. Acquire necessary equipment, including generators, and pumps, to secure lives and property   | H        | M | L | O      | C | D |
| 8. Develop a plan for extreme heat event mitigation   | H        | M | L | O      | C | D |

#### 4.4 – Severe Thunderstorm

| Mitigation Action Strategies  | Priority |   |   | Action |   |   |
|---|----------|---|---|--------|---|---|
| 1. Regularly inspect and maintain storm drains and storm drainage systems to remove debris and blockages impeding stormwater flows                                      | H        | M | L | O      | C | D |
| 2. Review and update building codes to reduce building damage   | H        | M | L | O      | C | D |
| 3. Improve early warning systems and maintain integrated communications systems for rapid response  | H        | M | L | O      | C | D |
| 4. Promote student, individual, and household preparation   | H        | M | L | O      | C | D |
| 5. Create and/or improve early warning systems for severe thunderstorms, including sirens, and targeted response such as Reverse 911, Code Red, Everbridge, Nixle, etc. | H        | M | L | O      | C | D |
| 6. Acquire necessary equipment, including generators, and pumps, to secure lives and property   | H        | M | L | O      | C | D |
| 7. Develop a plan for severe thunderstorms mitigation   | H        | L | L | O      | C | D |

#### 4.5 – Flood

| Mitigation Action Strategies   | Priority |   |   | Action |   |   |
|--|----------|---|---|--------|---|---|
| 1. Protect stream buffers from development and create setback requirements along streams and encourage and/or engage in wetland restoration  | H        | M | L | O      | C | D |
| 2. Join or maintain participating status in National Flood Insurance Program (NFIP) and adopt Floodplain Management Plans  | H        | M | L | O      | C | D |
| 3. Reduce or eliminate development in floodplain and use green Infrastructure best management practices to manage stormwater where it falls with rain gardens, swales, detention ponds, and related structures | H        | M | L | O      | C | D |
| 4. Buy out repetitive loss properties, retrofit or reconstruct infrastructure, and utilize structure elevation to reduce flooding impacts  | H        | M | L | O      | C | D |
| 5. Removal of public structures from flood zones, use dry flood proofing for historic buildings, and dry flood proofing non-residential structures to reduce flood damage                                      | H        | M | L | O      | C | D |

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| 6. Use localized and non-localized flood risk reduction and soil stabilization for increased flood resiliency   | H | M | L | O | C | D |
| 7. Use post-disaster code enforcement and implement NFIP Substantial improvement/substantial damage provisions  | H | M | L | O | C | D |
| 8. Update floodplain and flash flood-prone area mapping and maintain list of flood prone structures   | H | M | L | O | C | D |
| 9. Install backflow valves and sump pumps in critical facilities and perform storm drainage system maintenance  | H | M | L | O | C | D |
| 10. Replace inadequate or non-performing culverts and maintain, replace, or improve other stormwater infrastructure, including storm drains   | H | M | L | O | C | D |
| 11. Install and maintain pumping stations in levee systems  | H | M | L | O | C | D |
| 12. Develop ordinances to require best management practices stormwater infrastructure design and construction, with long term maintenance provisions  | H | M | L | O | C | D |
| 13. Create and improve early warning systems for floods, including sirens, and targeted response such as Reverse 911, Code Red, Everbridge, Nixle, etc., and integrate communications systems to provide rapid communication and response | H | M | L | O | C | D |
| 14. Conduct risk assessments for floods   | H | M | L | O | C | D |
| 15. Acquire necessary equipment, including generators, and pumps, to secure lives and property  | H | M | L | O | C | D |
| 16. Develop a plan for flood mitigation   | H | M | L | O | C | D |

#### 4.6 – Dam / Levee Failure

| Mitigation Action Strategies   | Priority |   |   | Action |   |   |
|--|----------|---|---|--------|---|---|
| 1. Encourage annual inspection of dams and levees  | H        | M | L | O      | C | D |
| 2. Improve structural integrity of dams, using incentives where feasible   | H        | M | L | O      | C | D |
| 3. Educate dam and levee owners about responsibilities and liabilities and develop and maintain emergency contact list for levees                                    | H        | M | L | O      | C | D |
| 4. Develop and implement dam/levee failure emergency action plans  | H        | M | L | O      | C | D |
| 5. Create and improve early warning systems for dam / levee failures, including sirens, and targeted response such as Reverse 911, Code Red, Everbridge, Nixle, etc. | H        | M | L | O      | C | D |
| 6. Conduct risk assessments for dam / levee failures   | H        | M | L | O      | C | D |
| 7. Develop a plan for dam / levee failure mitigation   | H        | M | L | O      | C | D |

#### 4.7 – Earthquake

| Mitigation Action Strategies  | Priority |   |   | Action |   |   |
|---|----------|---|---|--------|---|---|
| 1. Improve early warning systems  | H        | M | L | O      | C | D |
| 2. Review and update building codes   | H        | M | L | O      | C | D |
| 3. Maintain integrated communications systems for rapid response  | H        | M | L | O      | C | D |
| 4. Promote student, individual, and household preparation   | H        | M | L | O      | C | D |
| 5. Use infrastructure retrofit and structural and non-structural retrofit of existing buildings   | H        | M | L | O      | C | D |
| 6. Adopt Seismic Construction Ordinance   | H        | M | L | O      | C | D |
| 7. Create and improve early warning systems for earthquakes, including sirens, and targeted response such as Reverse 911, Code Red, Everbridge, Nixle, etc. | H        | M | L | O      | C | D |
| 8. Integrate communications systems to provide rapid communication and response   | H        | M | L | O      | C | D |
| 9. Conduct risk assessments for earthquakes   | H        | M | L | O      | C | D |
| 10. Acquire necessary equipment, including generators, and pumps, to secure lives and property  | H        | M | L | O      | C | D |
| 11. Develop a plan for earthquake mitigation  | H        | M | L | O      | C | D |

**4.8 – Sinkhole / Ground Failure**

| Mitigation Action Strategies  | Priority |   |   | Action |   |   |
|---|----------|---|---|--------|---|---|
|   | H        | M | L | O      | C | D |
| 1. Review new construction permit applications and reduce or eliminate construction in areas with undermined land or above highly soluble bedrock | H        | M | L | O      | C | D |
| 2. Map and assess vulnerable areas and stabilize when feasible  | H        | M | L | O      | C | D |
| 3. Develop specially engineered resilient pipelines in areas subject to ground failures   | H        | M | L | O      | C | D |
| 4. Conduct risk assessments for ground failures   | H        | M | L | O      | C | D |
| 5. Acquire necessary equipment, including generators, and pumps, to secure lives and property   | H        | M | L | O      | C | D |
| 6. Develop a plan for sinkhole / ground failure mitigation  | H        | M | L | O      | C | D |

**4.9 – Drought**

| Mitigation Action Strategies  | Priority |   |   | Action |   |   |
|---|----------|---|---|--------|---|---|
|   | H        | M | L | O      | C | D |
| 1. Audit water loss and incentivize water reuse   | H        | M | L | O      | C | D |
| 2. Repair, retrofit, and maintain water supply systems to minimize water loss                 | H        | M | L | O      | C | D |
| 3. Provide soil and water conservation practices education for farmers and/or public          | H        | M | L | O      | C | D |
| 4. Acquire necessary equipment, including generators, and pumps, to secure lives and property | H        | M | L | O      | C | D |
| 5. Develop a plan for drought mitigation  | H        | M | L | O      | C | D |

**4.10 – Wildfire**

| Mitigation Action Strategies  | Priority |   |   | Action |   |   |
|---|----------|---|---|--------|---|---|
|   | H        | M | L | O      | C | D |
| 1. Enforce open burn restrictions and burn ordinances   | H        | M | L | O      | C | D |
| 2. Use vegetation management to reduce fuel loads   | H        | M | L | O      | C | D |
| 3. Fire-resistant building retrofit   | H        | M | L | O      | C | D |
| 4. Acquire necessary equipment, including generators, and pumps, to secure lives and property | H        | M | L | O      | C | D |
| 5. Develop plan for wildfire mitigation   | H        | M | L | O      | C | D |

## Mitigation Action Strategy Worksheets

**Complete and submit at least one worksheet for each natural hazard that your jurisdiction has experienced or anticipates could experience. There are extra blank worksheets at the end for additional actions.**

|                |                             |                       |
|----------------|-----------------------------|-----------------------|
| ▪ Tornadoes    | ▪ Winter Storms             | ▪ Flooding            |
| ▪ Earthquakes  | ▪ Severe Thunderstorm       | ▪ Dam / Levee Failure |
| ▪ Extreme Heat | ▪ Sinkhole / Ground Failure | ▪ Drought             |
| ▪ Wildfire     |                             |                       |

**List any current or planned hazard mitigation grant project as a mitigation action so it can remain eligible for funding.**

**FYI - To remain eligible for FEMA hazard mitigation funds, regardless whether Building Resilient Infrastructure and Communities (BRIC) program, Flood Mitigation Assistance (FMA) program, or Hazard Mitigation Grant Program (HMGP), your specific project mitigation strategy must be in the hazard mitigation plan in your jurisdiction's section that was in place: 1) when you submitted your Notice of Interest (NOI) to the State Emergency Management Agency (SEMA), 2) when you submitted your full application materials, and 3) throughout the life of the grant.**

**See next page for a sample worksheet with instructive notes.**

## EXAMPLE Mitigation Action Worksheet with INSTRUCTIONS

|  |   |
|--|---|
| <b>Name of Jurisdiction:</b>   | City of Happy Trails  |
| <b>Risk / Vulnerability</b>  |   |
| <b>Hazard Addressed: (one of the 10 listed, do not use unique wording)</b>   | Flood   |
| <b>Action or Project</b>   |   |
| <b>Applicable Goal Statement: (one of three listed at the beginning of the Plan Goals and Mitigation Actions section, page 8)</b>                | 1. Prepare communities in advance of a natural disaster to prevent loss of life, minimize injury, and illness   |
| <b>Action/Project Number: (From the list of mitigation actions on pages 8 – 11 – must have 3 numbers)</b>  | 4.5.4   |
| <b>Name of Action or Project: (Be as specific as possible)</b>   | Example Street Home Buyouts   |
| <b>Action or Project Description: (Be specific)</b>  | City of Happy Trails will buy out eight homes on Example Street and construct a detention pond/wetland on the location  |
| <b>Estimated Cost: (Must be a reasonable estimate (or actual cost if existing project), can also be a range, if reasonable)</b>                  | \$1,400,000 based on 2023 county appraisals   |
| <b>Benefit versus Cost: (Must have a statement evaluating benefits vs. costs of project, does not have to be a full analysis)</b>                | Project has a high cost but is expected to eliminate repetitive losses for eight properties in perpetuity, in addition to eliminating city emergency response costs for evacuations, monitoring abandoned properties, and related activities. |
| <b>Plan for Implementation</b>   |   |
| <b>Responsible Organization/Department: (Must list responsible department(s) or staff position(s); just jurisdiction name is not sufficient)</b> | Planning Department, Public Works, and Floodplain Manager/Administrator   |
| <b>Supporting Organization/Department: (For additional departments or positions if needed)</b>   | City Manager / Administration, Grant Accountant   |
| <b>Action/Project Priority: (Should reflect same score as given in strategy rankings section on pages 8 - 11)</b>                                | High  |

|  |   |
|--|---|
| <b>Timeline for Completion: (If for existing grant or project, be specific; range is acceptable if grant funding is pending)</b>   | 2027- 2030  |
| <b>Potential/Existing Fund Sources: (Funding sources must be specific. Just "grant funding" is not acceptable)</b>   | FEMA FMA and/or BRIC. FEMA HMGP, if a flood disaster is declared; stormwater fee funds for the required match<br>USDA Rural Development Grant program; HUD CDBG – Disaster Recovery |
| <b>Local Planning Mechanisms to be Used in Implementation, if any: (List powers if needed for project and/or ordinances, specific plans, such as Stormwater Master Plan)</b>                   | Repetitive loss ordinance, power to eminent domain  |
| <b>Progress Report</b>   |   |
| <b>Action Status: (If current project, provide status; pending with explanation is acceptable; if project is funding dependent, can say so)</b>  | Project pending grant funding   |
| <b>Report of Progress: (If current project, 'awarded, pending funding; 50% complete, etc.', if a planned project, '2026 anticipated start date' will work. For a theoretical project, N/A)</b> | N/A   |

| <b>Tornado Mitigation Action Worksheet</b>                             |  |
|--|--|
| <b>Name of Jurisdiction:</b>   |  |
| <b>Risk / Vulnerability</b>  |  |
| <b>Hazard(s) Addressed:</b>  |  |
| <b>Action or Project</b>   |  |
| <b>Applicable Goal Statement:</b>                                      |  |
| <b>Action/Project Number:</b>  |  |
| <b>Name of Action or Project:</b>                                      |  |
| <b>Action or Project Description:</b>                                  |  |
| <b>Estimated Cost:</b>   |  |
| <b>Benefit versus Cost:</b>  |  |
| <b>Plan for Implementation</b>   |  |
| <b>Responsible Organization/Department:</b>                            |  |
| <b>Supporting Organization/Department:</b>                             |  |
| <b>Action/Project Priority:</b>  |  |
| <b>Timeline for Completion:</b>  |  |
| <b>Potential/Existing Fund Sources:</b>                                |  |
| <b>Local Planning Mechanisms to be Used in Implementation, if any:</b> |  |
| <b>Progress Report</b>   |  |
| <b>Action Status:</b>  |  |
| <b>Report of Progress:</b>   |  |

## Winter Storm Mitigation Action Worksheet

|  |  |
|--|--|
| <b>Name of Jurisdiction:</b>   |  |
| <b>Risk / Vulnerability</b>  |  |
| <b>Hazard(s) Addressed:</b>  |  |
| <b>Action or Project</b>   |  |
| <b>Applicable Goal Statement:</b>                                      |  |
| <b>Action/Project Number:</b>  |  |
| <b>Name of Action or Project:</b>                                      |  |
| <b>Action or Project Description:</b>                                  |  |
| <b>Estimated Cost:</b>   |  |
| <b>Benefit versus Cost:</b>  |  |
| <b>Plan for Implementation</b>   |  |
| <b>Responsible Organization/Department:</b>                            |  |
| <b>Supporting Organization/Department:</b>                             |  |
| <b>Action/Project Priority:</b>  |  |
| <b>Timeline for Completion:</b>  |  |
| <b>Potential/Existing Fund Sources:</b>                                |  |
| <b>Local Planning Mechanisms to be Used in Implementation, if any:</b> |  |
| <b>Progress Report</b>   |  |
| <b>Action Status:</b>  |  |
| <b>Report of Progress:</b>   |  |



## Extreme Heat Mitigation Action Worksheet

|  |  |
|--|--|
| <b>Name of Jurisdiction:</b>   |  |
| <b>Risk / Vulnerability</b>  |  |
| <b>Hazard(s) Addressed:</b>  |  |
| <b>Action or Project</b>   |  |
| <b>Applicable Goal Statement:</b>                                      |  |
| <b>Action/Project Number:</b>  |  |
| <b>Name of Action or Project:</b>                                      |  |
| <b>Action or Project Description:</b>                                  |  |
| <b>Estimated Cost:</b>   |  |
| <b>Benefit versus Cost:</b>  |  |
| <b>Plan for Implementation</b>   |  |
| <b>Responsible Organization/Department:</b>                            |  |
| <b>Supporting Organization/Department:</b>                             |  |
| <b>Action/Project Priority:</b>  |  |
| <b>Timeline for Completion:</b>  |  |
| <b>Potential/Existing Fund Sources:</b>                                |  |
| <b>Local Planning Mechanisms to be Used in Implementation, if any:</b> |  |
| <b>Progress Report</b>   |  |
| <b>Action Status:</b>  |  |
| <b>Report of Progress:</b>   |  |

## Severe Thunderstorm Mitigation Action Worksheet

|  |  |
|--|--|
| <b>Name of Jurisdiction:</b>   |  |
| <b>Risk / Vulnerability</b>  |  |
| <b>Hazard(s) Addressed:</b>  |  |
| <b>Action or Project</b>   |  |
| <b>Applicable Goal Statement:</b>                                      |  |
| <b>Action/Project Number:</b>  |  |
| <b>Name of Action or Project:</b>                                      |  |
| <b>Action or Project Description:</b>                                  |  |
| <b>Estimated Cost:</b>   |  |
| <b>Benefit versus Cost:</b>  |  |
| <b>Plan for Implementation</b>   |  |
| <b>Responsible Organization/Department:</b>                            |  |
| <b>Supporting Organization/Department:</b>                             |  |
| <b>Action/Project Priority:</b>  |  |
| <b>Timeline for Completion:</b>  |  |
| <b>Potential/Existing Fund Sources:</b>                                |  |
| <b>Local Planning Mechanisms to be Used in Implementation, if any:</b> |  |
| <b>Progress Report</b>   |  |
| <b>Action Status:</b>  |  |
| <b>Report of Progress:</b>   |  |

## Flood Mitigation Action Worksheet

|  |  |
|--|--|
| <b>Flood Mitigation Action Worksheet</b>                               |  |
| <b>Name of Jurisdiction:</b>   |  |
| <b>Risk / Vulnerability</b>  |  |
| <b>Hazard(s) Addressed:</b>  |  |
| <b>Action or Project</b>   |  |
| <b>Applicable Goal Statement:</b>                                      |  |
| <b>Action/Project Number:</b>  |  |
| <b>Name of Action or Project:</b>                                      |  |
| <b>Action or Project Description:</b>                                  |  |
| <b>Estimated Cost:</b>   |  |
| <b>Benefit versus Cost:</b>  |  |
| <b>Plan for Implementation</b>   |  |
| <b>Responsible Organization/Department:</b>                            |  |
| <b>Supporting Organization/Department:</b>                             |  |
| <b>Action/Project Priority:</b>  |  |
| <b>Timeline for Completion:</b>  |  |
| <b>Potential/Existing Fund Sources:</b>                                |  |
| <b>Local Planning Mechanisms to be Used in Implementation, if any:</b> |  |
| <b>Progress Report</b>   |  |
| <b>Action Status:</b>  |  |
| <b>Report of Progress:</b>   |  |

## Flood Mitigation Action Worksheet (Extra)

|  |  |
|--|--|
| <b>Name of Jurisdiction:</b>   |  |
| <b>Risk / Vulnerability</b>  |  |
| <b>Hazard(s) Addressed:</b>  |  |
| <b>Action or Project</b>   |  |
| <b>Applicable Goal Statement:</b>                                      |  |
| <b>Action/Project Number:</b>  |  |
| <b>Name of Action or Project:</b>                                      |  |
| <b>Action or Project Description:</b>                                  |  |
| <b>Estimated Cost:</b>   |  |
| <b>Benefit versus Cost:</b>  |  |
| <b>Plan for Implementation</b>   |  |
| <b>Responsible Organization/Department:</b>                            |  |
| <b>Supporting Organization/Department:</b>                             |  |
| <b>Action/Project Priority:</b>  |  |
| <b>Timeline for Completion:</b>  |  |
| <b>Potential/Existing Fund Sources:</b>                                |  |
| <b>Local Planning Mechanisms to be Used in Implementation, if any:</b> |  |
| <b>Progress Report</b>   |  |
| <b>Action Status:</b>  |  |
| <b>Report of Progress:</b>   |  |

## Dam / Levee Mitigation Action Worksheet

|  |  |
|--|--|
| <b>Dam / Levee Mitigation Action Worksheet</b>                         |  |
| <b>Name of Jurisdiction:</b>   |  |
| <b>Risk / Vulnerability</b>  |  |
| <b>Hazard(s) Addressed:</b>  |  |
| <b>Action or Project</b>   |  |
| <b>Applicable Goal Statement:</b>                                      |  |
| <b>Action/Project Number:</b>  |  |
| <b>Name of Action or Project:</b>                                      |  |
| <b>Action or Project Description:</b>                                  |  |
| <b>Estimated Cost:</b>   |  |
| <b>Benefit versus Cost:</b>  |  |
| <b>Plan for Implementation</b>   |  |
| <b>Responsible Organization/Department:</b>                            |  |
| <b>Supporting Organization/Department:</b>                             |  |
| <b>Action/Project Priority:</b>  |  |
| <b>Timeline for Completion:</b>  |  |
| <b>Potential/Existing Fund Sources:</b>                                |  |
| <b>Local Planning Mechanisms to be Used in Implementation, if any:</b> |  |
| <b>Progress Report</b>   |  |
| <b>Action Status:</b>  |  |
| <b>Report of Progress:</b>   |  |

## Earthquake Mitigation Action Worksheet

|  |  |
|--|--|
| <b>Name of Jurisdiction:</b>   |  |
| <b>Risk / Vulnerability</b>  |  |
| <b>Hazard(s) Addressed:</b>  |  |
| <b>Action or Project</b>   |  |
| <b>Applicable Goal Statement:</b>                                      |  |
| <b>Action/Project Number:</b>  |  |
| <b>Name of Action or Project:</b>                                      |  |
| <b>Action or Project Description:</b>                                  |  |
| <b>Estimated Cost:</b>   |  |
| <b>Benefit versus Cost:</b>  |  |
| <b>Plan for Implementation</b>   |  |
| <b>Responsible Organization/Department:</b>                            |  |
| <b>Supporting Organization/Department:</b>                             |  |
| <b>Action/Project Priority:</b>  |  |
| <b>Timeline for Completion:</b>  |  |
| <b>Potential/Existing Fund Sources:</b>                                |  |
| <b>Local Planning Mechanisms to be Used in Implementation, if any:</b> |  |
| <b>Progress Report</b>   |  |
| <b>Action Status:</b>  |  |
| <b>Report of Progress:</b>   |  |

## Sinkhole / Ground Failure Mitigation Action Worksheet

|  |  |
|--|--|
| <b>Name of Jurisdiction:</b>   |  |
| <b>Risk / Vulnerability</b>  |  |
| <b>Hazard(s) Addressed:</b>  |  |
| <b>Action or Project</b>   |  |
| <b>Applicable Goal Statement:</b>                                      |  |
| <b>Action/Project Number:</b>  |  |
| <b>Name of Action or Project:</b>                                      |  |
| <b>Action or Project Description:</b>                                  |  |
| <b>Estimated Cost:</b>   |  |
| <b>Benefit versus Cost:</b>  |  |
| <b>Plan for Implementation</b>   |  |
| <b>Responsible Organization/Department:</b>                            |  |
| <b>Supporting Organization/Department:</b>                             |  |
| <b>Action/Project Priority:</b>  |  |
| <b>Timeline for Completion:</b>  |  |
| <b>Potential/Existing Fund Sources:</b>                                |  |
| <b>Local Planning Mechanisms to be Used in Implementation, if any:</b> |  |
| <b>Progress Report</b>   |  |
| <b>Action Status:</b>  |  |
| <b>Report of Progress:</b>   |  |

## Drought Mitigation Action Worksheet

|  |  |
|--|--|
| <b>Name of Jurisdiction:</b>   |  |
| <b>Risk / Vulnerability</b>  |  |
| <b>Hazard(s) Addressed:</b>  |  |
| <b>Action or Project</b>   |  |
| <b>Applicable Goal Statement:</b>                                      |  |
| <b>Action/Project Number:</b>  |  |
| <b>Name of Action or Project:</b>                                      |  |
| <b>Action or Project Description:</b>                                  |  |
| <b>Estimated Cost:</b>   |  |
| <b>Benefit versus Cost:</b>  |  |
| <b>Plan for Implementation</b>   |  |
| <b>Responsible Organization/Department:</b>                            |  |
| <b>Supporting Organization/Department:</b>                             |  |
| <b>Action/Project Priority:</b>  |  |
| <b>Timeline for Completion:</b>  |  |
| <b>Potential/Existing Fund Sources:</b>                                |  |
| <b>Local Planning Mechanisms to be Used in Implementation, if any:</b> |  |
| <b>Progress Report</b>   |  |
| <b>Action Status:</b>  |  |
| <b>Report of Progress:</b>   |  |



## Wildfire Mitigation Action Worksheet

|  |  |
|--|--|
| <b>Wildfire Mitigation Action Worksheet</b>                            |  |
| <b>Name of Jurisdiction:</b>   |  |
| <b>Risk / Vulnerability</b>  |  |
| <b>Hazard(s) Addressed:</b>  |  |
| <b>Action or Project</b>   |  |
| <b>Applicable Goal Statement:</b>                                      |  |
| <b>Action/Project Number:</b>  |  |
| <b>Name of Action or Project:</b>                                      |  |
| <b>Action or Project Description:</b>                                  |  |
| <b>Estimated Cost:</b>   |  |
| <b>Benefit versus Cost:</b>  |  |
| <b>Plan for Implementation</b>   |  |
| <b>Responsible Organization/Department:</b>                            |  |
| <b>Supporting Organization/Department:</b>                             |  |
| <b>Action/Project Priority:</b>  |  |
| <b>Timeline for Completion:</b>  |  |
| <b>Potential/Existing Fund Sources:</b>                                |  |
| <b>Local Planning Mechanisms to be Used in Implementation, if any:</b> |  |
| <b>Progress Report</b>   |  |
| <b>Action Status:</b>  |  |
| <b>Report of Progress:</b>   |  |

## Mitigation Action Worksheet

|  |  |
|--|--|
| <b>Mitigation Action Worksheet</b>                                     |  |
| <b>Name of Jurisdiction:</b>   |  |
| <b>Risk / Vulnerability</b>  |  |
| <b>Hazard(s) Addressed:</b>  |  |
| <b>Action or Project</b>   |  |
| <b>Applicable Goal Statement:</b>                                      |  |
| <b>Action/Project Number:</b>  |  |
| <b>Name of Action or Project:</b>                                      |  |
| <b>Action or Project Description:</b>                                  |  |
| <b>Estimated Cost:</b>   |  |
| <b>Benefit versus Cost:</b>  |  |
| <b>Plan for Implementation</b>   |  |
| <b>Responsible Organization/Department:</b>                            |  |
| <b>Supporting Organization/Department:</b>                             |  |
| <b>Action/Project Priority:</b>  |  |
| <b>Timeline for Completion:</b>  |  |
| <b>Potential/Existing Fund Sources:</b>                                |  |
| <b>Local Planning Mechanisms to be Used in Implementation, if any:</b> |  |
| <b>Progress Report</b>   |  |
| <b>Action Status:</b>  |  |
| <b>Report of Progress:</b>   |  |

| <b>Mitigation Action Worksheet</b>                                     |  |
|--|--|
| <b>Name of Jurisdiction:</b>   |  |
| <b>Risk / Vulnerability</b>  |  |
| <b>Hazard(s) Addressed:</b>  |  |
| <b>Action or Project</b>   |  |
| <b>Applicable Goal Statement:</b>                                      |  |
| <b>Action/Project Number:</b>  |  |
| <b>Name of Action or Project:</b>                                      |  |
| <b>Action or Project Description:</b>                                  |  |
| <b>Estimated Cost:</b>   |  |
| <b>Benefit versus Cost:</b>  |  |
| <b>Plan for Implementation</b>   |  |
| <b>Responsible Organization/Department:</b>                            |  |
| <b>Supporting Organization/Department:</b>                             |  |
| <b>Action/Project Priority:</b>  |  |
| <b>Timeline for Completion:</b>  |  |
| <b>Potential/Existing Fund Sources:</b>                                |  |
| <b>Local Planning Mechanisms to be Used in Implementation, if any:</b> |  |
| <b>Progress Report</b>   |  |
| <b>Action Status:</b>  |  |
| <b>Report of Progress:</b>   |  |

| <b>Mitigation Action Worksheet</b>                                     |  |
|--|--|
| <b>Name of Jurisdiction:</b>   |  |
| <b>Risk / Vulnerability</b>  |  |
| <b>Hazard(s) Addressed:</b>  |  |
| <b>Action or Project</b>   |  |
| <b>Applicable Goal Statement:</b>                                      |  |
| <b>Action/Project Number:</b>  |  |
| <b>Name of Action or Project:</b>                                      |  |
| <b>Action or Project Description:</b>                                  |  |
| <b>Estimated Cost:</b>   |  |
| <b>Benefit versus Cost:</b>  |  |
| <b>Plan for Implementation</b>   |  |
| <b>Responsible Organization/Department:</b>                            |  |
| <b>Supporting Organization/Department:</b>                             |  |
| <b>Action/Project Priority:</b>  |  |
| <b>Timeline for Completion:</b>  |  |
| <b>Potential/Existing Fund Sources:</b>                                |  |
| <b>Local Planning Mechanisms to be Used in Implementation, if any:</b> |  |
| <b>Progress Report</b>   |  |
| <b>Action Status:</b>  |  |
| <b>Report of Progress:</b>   |  |

If you need additional mitigation action sheets, please email [hazardmit@ewgateway.org](mailto:hazardmit@ewgateway.org).