

## **Appendix C – 2011 Mitigation Actions**

The following tables provide updated to the actions committed to by Prince George's County and the City of Laurel for the 2011 Prince George's County and the City of Laurel Hazard Mitigation Plan. The county's Actions are presented first with the city's following.

**Prince George's County 2011 Mitigation Actions**

| Action Number | Previously | Action Strategy  | Lead Office   | Hazard Addressed                       | Priority | 2017 Action Update (continued/ cancelled /completed?) | 2017 Notes - Individual Actions  |
|---------------|------------|--|---|--|----------|---|--|
| County - 1    | A-1        | Partner with FEMA/MDE to Update Flood Hazard Mapping; Use Updated Mapping for Risk Reduction. Public Information. Use the revised flood maps to refine DER's mailing list for public information efforts to owners of property determined to be impacted by flood hazards. | Lead:<br>Department of Environmental Resources<br>Support:<br>Maryland-National Capital Park & Planning | Riverine Flooding;<br>Coastal Flooding | High     | No Action   | Annually, DoE mails letters to residents occupying flood prone structures to inform them about flood hazards, recommend precautionary measures and advise on how to protect their property from flood damage. DoE's mailing list of flood prone properties will be updated to include additional |
| County - 2    | A-2        | Partner with FEMA/MDE to Update Flood Hazard Mapping; Use Updated Mapping for Risk Reduction. At-Risk Buildings. Use the revised flood maps to refresh details on at-risk buildings, such as predicted depths of water for different frequency flood events.               | Lead:<br>Department of Environmental Resources<br>Support:<br>Maryland-National Capital Park & Planning | Riverine Flooding;<br>Coastal Flooding | High     | Continued   | The new FIS and FIRM recently became effective on September 16, 2016. Work on this action is progress.   |

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|---------------|------------|---|---|--|----------|---|---|
| County - 3    | A-3        | Partner with FEMA/MDE to Update Flood Hazard Mapping; Use Updated Mapping for Risk Reduction. Private Nonprofit Buildings. Search the updated list of flood-prone properties to determine if any are owned by private nonprofit organizations.  | Lead:<br>Department of Environmental Resources<br>Support:<br>Maryland-National Capital Park & Planning             | Riverine Flooding;<br>Coastal Flooding | High     | Continued   | The new FIS and FIRM recently became effective on September 16, 2016. Staff may now proceed with addressing this action item. |
| County - 4    | B-1        | Stream Corridor Assessment. Work with The M-NCPPC to analyze the Stream Corridor Assessment data in order to generate a report of the Assessment. Use the resulting report to prioritize stabilization projects, especially if funding from outside resources is available for mitigation of environmental impacts. | Department of Environmental Resources<br>The Maryland-National Capital Park & Planning Commission -<br>Debbie Tyner | Streambank Erosion                     | High     | Continued   |   |

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|---------------|------------|--|--|-------------------------------------|----------|---|--|
| County - 5    | C-1        | Conduct Flood Audits of Selected Buildings. Flood Audits. Conduct flood audits of +16 public buildings (County, The M-NCPPC, and City of Laurel) and 14 non-residential buildings of owners who accept an offer for the audit. Additional audits may be conducted if more owners express interest. See Section 5.5.1 and Appendix D for the summary report of audits conducted in Spring 2010. | Department of Environmental Resources  | Riverine Flooding; Coastal Flooding | High     | Completed   | The County obtained grant funds to support this action in 2008. Using the existing flood data to identify buildings predicted to have flood depths of more than 3 feet for the future condition, 100-year flood, more than 80 non-residential property owners were contacted and offered free flood audits. Owners of 14 properties responded, including a church. A number of public buildings in the County have been identified for audit, including 13 buildings and structures and the two schools that were identified in the 2005 Plan as having some degree of flood risk. The City of Laurel requested inclusion of the building recently acquired for the police station. In 2010, all of above flood audits had been completed and a Summary Report of Floodproofing Audits was completed in March, 2011. The County completed a repetitive loss area analysis in 2015 and conducted audits of residential structures as part of this analysis. |
| County - 6    | D-1        | Anacostia Levee Improvements. Work with the Corps of Engineers to pursue funding to implement the levee improvement work.  | Department of Environmental Resources<br>Department of Public Works & Transportation | Riverine Flooding/Levee Failure     | High     | Continued   | The levee improvement work has been completed for the Brentwood, Edmonston-Bladensburg and Riverdale-Hyattsville levee systems. FEMA has accredited these improved levee systems. The County continues to make progress towards accreditation of the Allison Street Flood Protection   |

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|               |            |   |  |                                     |          |   | System [levee]. This project is at 100% design and the project has been awarded. The anticipated start date of the construction is October 2016. |
| County - 7    | E-1        | Expansion of Flood Warning Notifications. Update the flood warning system notification lists used in the W.A.R.N. system with the list of flood-prone properties based on revised flood maps. | Department of Environmental Resources Office of Emergency Management | Riverine Flooding; Coastal Flooding | High     | Continued   | The new FIS and FIRM recently became effective on September 16, 2016. Staff may now proceed with addressing this action item.                    |

**Prince George's County 2011 Mitigation Actions**

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| County - 8    | F-1        | Hazardous Materials, Pollutants, and Flood Hazard Areas. Using the revised Flood Maps, check locations of HazMat sites, NPDES sites, and other land uses; if found to be in flood hazard areas, communicate with owner/handler regarding risk and appropriate response and protection measures. | Fire/EMS<br>Department of Environmental Resources<br>Maryland Department of the Environment | Riverine Flooding;<br>Coastal Flooding | High     | Continued   | While the County sends annual mailings to occupants of flood prone structures to inform them that their structures are at risk for flooding and to provide advice on how to protect their persons and properties, guidance on how to reduce incidents of flood-related pollution has not been provided for occupants of properties where hazardous materials are handled or stored. The new FIS and FIRM recently became effective on September 16, 2016. An updated list of properties which are located in the FEMA flood hazard area may be generated using the September 16th mapping data. Staff will assess how best to communicate with the subject property owners about risk, appropriate response and protection measure to reduce chances for waterborne pollution. |

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| County - 9    | G-1        | Continue to Support Regional Drought Response and Planning. Continue the County's commitment and participation with the MWCOG and WSSC when drought awareness responses are activated.   | Department of Environmental Resources<br>Washington Suburban Sanitary Commission | Drought          | High     | Continued   | MWCOG continues to monitor along with WSSC.  |
| County - 10   | H-1        | Senior Citizens and Extreme Weather. Family Services should continue its outreach to seniors about health and safety during periods of extreme heat and extreme cold. Information could be added to the Family Services' web page. | Department of Family Services  | Winter Storm     | High     | Continued   | DFS provides the following to senior citizens regarding extreme cold: 1. PSA on News Channel 8 and CTV; 2. Fact Sheets including: 7 Winter Safety Tips; Dressing Warmly; Times for Keeping Warm Inside and Winter Weather Preparedness. Senior Citizens that participate in the daily nutrition program are provided extra frozen meals during the winter months of January, February and March in addition to the hot meals they receive daily. |

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|---------------|------------|---|---------------------------------------|-----------------------------|----------|---|--|
| County - 11   | I-1        | Evaluate Options to Address Existing Buildings Subject to Unstable Soils. Identify existing buildings that are located on Marlboro Clays and that are reported to be experiencing or likely to experience foundation damage. Examine and share information about options that may be considered by owners, including foundation stabilization, foundation reconstruction, relocation of buildings, or demolition/acquisition. If determined appropriate, pursue funding to facilitate mitigating future damage. | Department of Environmental Resources | Land Movement/ Unsafe Lands | High     | Continued   | <p>Seven properties in the Fort Washington area were acquired through FEMA Hazard Mitigation Assistance funds during the planning period.</p> <p>DoE will continue to address endangered structures through our Capital Improvement Program (CIP). Their CIP budget includes an appropriation for addressing endangered structures. Buildings that are found to be subject to unstable soils and that are reported be experiencing or likely experience foundation damage may be eligible for projects entailing reconstruction, relocation, demolition/acquisition etc.</p> |



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| County - 12   | J-1        | Coordinate the Building Code & Floodplain Ordinance. Review materials to be provided by the Maryland Department of the Environment to compare the flood-resistant provisions of the Maryland building code and the County's Floodplain Ordinance and determine the best way to avoid conflicts. | Department of Environmental Resources<br>Department of Public Works & Transportation | Riverine Flooding;<br>Coastal Flooding | High     | Continued   | The building code has been updated to cite the 2015 editions of International Building Code, International Residential Code for One- and Two-Family Dwellings, International Mechanical Code etc. Also, the County Council introduced Bill CB-38-2016 on June 7, 2016 for the purpose of amending the County's Floodplain Ordinance to be consistent with the State of Maryland's Model Floodplain Management Ordinance (May 2014), which meets the requirements of the National Flood Insurance Program (the "NFIP"). This bill was adopted September 13, 2016. |
| County - 13   | K-1        | Flood Mitigation Projects. The County periodically updates data on floodprone buildings. After flood events, the County will evaluate whether to pursue funding to implement flood mitigation projects.   | Department of Environmental Resources  | Riverine Flooding;<br>Coastal Flooding | High     | Continued   | After 2011's TD Lee, damage assessment reports included identification to determine mitigation needs   |

**City of Laurel 2011 Mitigation Actions**

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|---------------|------------|--|--|-------------------------------------|----------|---|---|
| Laurel - 1    | A-4        | Partner with FEMA/MDE to Update Flood Hazard Mapping; Use Updated Mapping for Risk Reduction. Continue to Pursue Flood Map Revision. Use the revised flood maps to encourage property owners to purchase flood insurance and take steps to mitigate future flood damage. | Development Management Office; City Administrator's Office | Riverine Flooding; Coastal Flooding | High     | Complete  | The revised flood studies have been completed and approved by FEMA on September 16, 2016. A new FIRM has been completed and approved by FEMA. The delineations of the flood elevations and floodplain boundaries have been established. A complete evaluation of the new expanded floodplain along with the structures identified within this floodplain must be completed. |

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|---------------|------------|--|---------------------------------------|--|----------|---|--|
| Laurel - 2    | C-1        | Conduct Flood Audits of Selected Buildings. Flood Audits. Conduct flood audits of +16 public buildings (County, The M-NCPPC, and City of Laurel) and 14 non-residential buildings of owners who accept an offer for the audit. Additional audits may be conducted if more owners express interest. See Section 5.5.1 and Appendix D for the summary report of audits conducted in Spring 2010. | Department of Environmental Resources | Riverine Flooding;<br>Coastal Flooding | High     | Complete  | The County obtained grant funds to support this action in 2008. Using the existing flood data to identify buildings predicted to have flood depths of more than 3 feet for the future condition, 100-year flood, more than 80 non-residential property owners were contacted and offered free flood audits. Owners of 14 properties responded, including a church. A number of public buildings in the County have been identified for audit, including 13 buildings and structures and the two schools that were identified in the 2005 Plan as having some degree of flood risk. The City of Laurel requested inclusion of the building recently acquired for the police station. In 2010, all of above flood audits had been completed and a Summary Report of Floodproofing Audits was completed in March, 2011. The County completed a repetitive loss area analysis in 2015 and conducted audits of residential structures as part of this analysis. |

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| Laurel - 3    | D-2        | Anacostia Levee Improvements. Expansion of Flood Warning Notifications. Pending approval of new flood maps. Hazard Addressed: Riverine Flooding and Coastal Flooding. | Department of Environmental Resources<br>Department of Public Works & Transportation | Riverine Flooding/Levee Failure        | Medium   | Cancelled   | This action item does not affect the City of Laurel. Remove from List.   |
| Laurel - 4    | E-2        | Expansion of Flood Warning Notifications. Provide new floodplain mapping to WSSC and update coordination and flood warning notification procedures.                   | Department of Environmental Resources<br>Office of Emergency Management              | Riverine Flooding;<br>Coastal Flooding | High     | Complete  | WSSC completed revised Emergency Action Plans for both Brighton and Duckett Dams in March, 2016. Dam emergency notification procedures have been reviewed and updated and shared with the City of Laurel. The new notification procedures must be tested and exercised within the City of Laurel and Prince George's County to identify any shortfalls or procedures that need to be amended. Expanded floodplain areas must be addressed in relationship to areas effected by a release of water from the dams. |

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| Laurel - 5    | G-2        | Continue to Support Regional Drought Response and Planning. Continue the City’s commitment and participation with the MWCOG and WSSC when drought awareness responses are activated. Examine appropriate water conservation measures for City Office buildings. | Department of Environmental Resources<br>Washington Suburban Sanitary Commission | Drought          | High     | Continue  | The MWCOG in cooperation with WSSC has addressed the need for water conservation efforts during drought conditions within the City of Laurel and surrounding areas. The City of Laurel is now a full member of MWCOG and will work within the numerous committees in preparing for, responding to, and mitigating drought conditions within the City of Laurel. |
| Laurel - 6    | G-3        | Continue to Support Regional Drought Response and Planning. Hazard Addressed: Drought.  | Department of Environmental Resources<br>Washington Suburban Sanitary Commission | Drought          | Medium   | Continue  | The MWCOG in cooperation with WSSC has addressed the need for water conservation efforts during drought conditions within the City of Laurel and surrounding areas. The City of Laurel is now a full member of MWCOG and will work within the numerous committees in preparing for, responding to, and mitigating drought conditions within the City of Laurel. |

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|---------------|------------|--|---------------------------------------|--|-----------------|---|---|
| Laurel - 7    | K-2        | Flood Mitigation Projects.<br>Flood Mitigation Projects.<br>After flood events, the City will evaluate whether to pursue funding to implement flood mitigation projects. | Department of Environmental Resources | Riverine Flooding;<br>Coastal Flooding | High/<br>Medium | Continue  | The City of Laurel has started 2 major projects earmarked to assist in identifying Flood Mitigation Projects. The first project is to enroll in FEMA’s Community Rating System (CRS). This ISO led program will enhance the City’s flood insurance rating which directly equates into lower costs for both the City and the citizens currently enrolled in the NFIP. The second project is a contract for the development of the City’s first Hazard Mitigation Project which will identify specific risk reduction projects and assist in applying for Federal and State sponsored grants to support these projects. |