2020 King County Hazard Mitigation Plan Strategies Update

King County identified the following 39 strategies through meetings among county departments during the 2020 King County Regional Hazard Mitigation Plan update. This list only includes strategies lead by King County – individual jurisdictions actions and progress reports are specific to their annex only. To update and maintain the mitigation strategies, King County Office of Emergency Management worked with the King County Risk Management Services department to develop a reporting tool to allow for easier updates on plan progress. These updates are collected electronically and feed into the Origami program that can track progress over time for each mitigation strategy. The updated statuses for the strategies include:

* Ongoing – Strategy continues to be implemented or remains in the plan to be implemented.
* Complete – Strategy is complete and has been implemented.
* Remove – Strategy has not been implemented and is recommended to be removed.

| Ref # | Strategy | Status | Lead Agency | Description |
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| 1 | Reduce Flood Impacts to Unincorporated King County Road System | Ongoing | DLS - Roads | Lower road damage from repeated flooding, especially in the Snoqualmie Valley. |
| 2 | Increase Seismic Resilience of Bridges in Unincorporated KingCounty | Ongoing | DLS - Roads | Seismic retrofits to King County bridges, especially those supporting the transportation seismic lifeline. |
| 3 | Stormwater Outfall Erosion Hazard Inventory | Ongoing | DNRP | Hazard inventory of stormwater outfalls and mapping of those areas in GIS. |
| 4 | Resilience in Design and Build of Critical Water Treatment andConveyance Facilities | Ongoing | DNRP | Improvements, retrofits, and new construction of water treatment facilities that meets seismic resilience needs. |
| 5 | Landslide, Erosion, and Sedimentation Event Mapping | Ongoing | DNRP | Mapping of hazard areas and establishment of GIS layers. Progress made on Lower Snoqualmie CMZ. Issaquah study underway. |
| 6 | Sea Level Rise Resilience in Wastewater Facilities | Ongoing | DNRP | Measures to move or reduce risk to wastewater facilities in areas projected to be impacted by sea-level rise. |
| 7 | Stormwater and Surface Water Risk Reduction | Ongoing | DNRP | Retrofits to endangered stormwater facilities. Focus on those areas at greatest risk of failure. |
| 8 | Control System Security and Performance | Ongoing | DNRP | Protection of wastewater system from cyber-attacks. |
| 9 | GIS Emergency Response Mapping and Real-Time Flow Data | Complete, Ongoing | DNRP | Real time GIS updates to critical facility information. |
| 10 | Emergency Communications Enhancements | Complete, Ongoing | DNRP | Improvements to, and resilience of, emergency communications tools. Assessed need for KC 800 MHz radios, ensured adequate distribution. Regular testing of, KC OEM deployed KCInform. Added upgrade of Flood App communicating flood conditions to subscribers. |
| 11 | Emergency Event Management System | Complete, Ongoing | DNRP | Improvements to WebEOC, including training on it. |
| 12 | Flood Warning Program | Complete, Ongoing | DNRP - Flood | Flood warning, including public information about warning system – increased number of Flood Alert app subscribers. Annual preparedness exercises. Improve outreach materials for flood vulnerable communities. |
| 13 | Post-Flood Recovery Efforts | Ongoing | DNRP - Flood | Resilient rebuilding following a flood disaster – staff trained in DRRA Section 1206 public assistance process |
| 14 | Home Elevations | Complete, Ongoing | DNRP - Flood | Elevations of homes 3 feet base flood elevation when acquisition is not feasible. |
| 15 | Home Acquisitions and Relocations | Complete, Ongoing | DNRP - Flood | Prioritize acquisition as a tool of risk reduction and take advantage of post-disaster acquisition opportunities – One Repetitive Loss property acquired and scheduled for demolition |
| 16 | Protect and Restore Natural FloodplainFunctions | Complete, Ongoing | DNRP - Flood | Take advantage of natural systems to reduce flood risk and restore flood risk areas to their naturalState – acquired several flood-prone properties for current and future floodplain restoration and fish habitat enhancement projects. |
| 17 | Flood Risk Mapping | Complete, Ongoing | DNRP - Flood | Improve and update flood risk maps, accounting for climate change – South Fork Skykomish updated mapping completed and under FEMA review, ongoing levee breach analysis. |
| 18 | Public Information Flood Activities | Complete, Ongoing | DNRP - Flood | Conduct outreach around flood hazard information – community engagement hub created increasing number of flood-prone resident reached.  |
| 19 | Flood Insurance Promotion | Complete, Ongoing | DNRP - Flood | Promote flood insurance to all homeowners, renters, and business owners – annual flood brochure and repetitive loss letter distributed to target audiences. |
| 20 | Enforce Higher Floodplain ManagementRegulations | Complete, Ongoing | DNRP - Flood | Enforce King County’s higher standards to prevent the creation of new flood risk – International Building Codes adopted, and higher regulatory standards enforced. |
| 21 | Manage Flood Protection Facilities | Ongoing | DNRP - Flood | Manage flood protection facilities to ensure they will not fail during a major flood or earthquake. |
| 22 | Seismic Evaluation of King County Courthouse and Maleng RegionalJustice Center | No progress reported | FMD | Evaluate the vulnerability of major King County justice facilities and develop a strategy to address deficiencies. |
| 23 | Flood Mitigation Feasibility and Scoping for the King County inthe Kent Valley | No progress reported | FMD | Evaluate and construct flood protection projects for King County facilities in the Kent Valley,including the animal shelter. |
| 24 | Integrate ESJ into Mitigation, Response, and Recovery Activities | Ongoing | KCEM | Fully account for equity and social justice in all planning and activities to help ensure that disasters do not increase inequity. |
| 25 | Mitigate Weather Impacts to VulnerableCommunities | Ongoing | KCEM | Mitigate disparities in outcomes from heat and cold weather disasters through facility mitigation and retrofits to build-environment. |
| 26 | Seismic Lifeline Route Resilience | Ongoing | KCEM | Establish transportation seismic lifelines and begin retrofitting vulnerable segments to a standard that will enable effective response and recovery following anearthquake. |
| 27 | Integrate Hazard Mitigation and ComprehensivePlanning | Ongoing | KCEM | Integrate hazards and vulnerability information into comprehensive planning policies, mapping, and related activities to prevent the creation of new risk through development in high hazard areas. |
| 28 | Engage Community Organizations in EmergencyManagement | Ongoing | KCEM | Leverage existing community capabilities and engage with communities to promote emergency preparedness and catalogue potential needs. Ongoing development of Trusted Partner Network |
| 29 | Climate Integration Training | Ongoing | KCEM | Train local jurisdictions on how to integrate climate change information into planning, projects, and emergency management. |
| 30 | Disaster Skills Risk Reduction Training | Ongoing | KCEM | Train communities on what to do in a disaster and how to protectthemselves and their families. |
| 31 | Dam Failure Risk and Impact Reduction | Ongoing | KCEM | Identify and remove or rehabilitate high hazard dams and conduct outreach on dam safety for good condition dams that will not beremoved. |
| 32 | Wildfire Preparedness and Risk Reduction | Completed | KCEM | Convene partners engaged in wildfire planning activities to coordinate community outreach and reactions to new mapping and potential building codes. Completed 2022 |
| 33 | Hazard Mitigation Assistance Grant Support | Ongoing | KCEM | Support local jurisdictions who have little experience in developing applications for FEMA HMA. |
| 34 | Public Assistance Grant Support | Ongoing | KCEM | Support local jurisdictions and county agencies with PA following a disaster declaration and expand the use of PA Mitigation funds. |
| 35 | Language Accessible Video Emergency Messaging | No progress reported | PHSKC | Develop video and other emergency messaging that is accessible to non-English speakers and those who are blind or hearing impaired. |
| 36 | King County Facilities Indoor Air Quality Monitoring Network | No progress reported | PHSKC | Monitor and mitigate air quality in King County facilities. |
| 37 | Medical Gas Seismic Detection & Emergency Shut Off | No progress reported | PHSKC | Install automatic gas detection and shutoff systems for hospitals and medical centers. |
| 38 | Park and Trail Facility Landslide Protection | No progress reported | DNRP Parks | Prioritize vulnerable regional trail segments for mitigation investments |
| 39 | Seismic Evaluation and Retrofits of KingCounty Parks Facilities | No progress reported | DNRP Parks | Complete seismic evaluation of King County Parks facilities per current standards; update riskassessments |