

## Recommended changes in Strategies for 2016 version of Chittenden County AHMP:

### 6.5 Implementation and Monitoring of Mitigation Strategies

The following table will aid responsible entities in implementing the mitigation actions for Chittenden County, and facilitate annual monitoring of the plan.

*Table 6-1 Chittenden County Multi-Jurisdictional All-Hazards Mitigation Plan Implementation Matrix*

Mitigation Strategy	AHMP Page #	Primary Responsible Entity	Task	Brief Description	Progress since 2011 and Recommendation for 2016 Plan
#1 Develop mechanisms and plans for coordination and cooperation between municipal, non-profit and private emergency service providers.	79	LEPC #1, CCRPC	Basic EOP Preparation/Update Workshops	Sponsor workshops to help municipalities prepare and update their Basic Emergency Operation Plan.	Staffing inadequate to organize workshops. CCRPC staff work on annual basis to remind municipalities to complete Local Emergency Operations Plan (LEOP) document which have supplanted BEOP. <b>NOT A MITIGATION ACTION. REMOVE FROM 2016 PLAN.</b>
	79	LEPC #1	LEPC #1 Resource Preparedness Guide	Update the resource guide for emergency responders dealing with hazardous materials.	In discussions at spring 2015 Chittenden County Fire Mutual Aid meeting, it was recommended this be removed for 2016 plan. <b>NOT A MITIGATION ACTION. REMOVE FROM 2016 PLAN.</b>
	79	CCRPC, VLCT, municipalities	Regional Police and Dispatch Services Study	Study feasibility of regional policing and dispatching for Chittenden County.	CCRPC staff have had informal discussions with municipalities regarding regional policing and individual municipalities may explore cost sharing mechanisms. <b>NOT A MITIGATION ACTION. REMOVE FROM 2016 PLAN.</b>
	80	LEPC #1, CCRPC	Continued Efforts and New Strategies	Continue to develop and enhance domestic preparedness and emergency planning in Chittenden County.	Since Tropical Storm Irene in 2011, CCRPC has a formal MOU with VT DEMHS to assist in staffing of State EOC and now regularly collects data on damages in towns during hazards events to forward to VTDEMHS. This is a Response and Recovery effort. <b>NOT A MITIGATION ACTION. REMOVE FROM 2016 PLAN. RETAIN IN 2016 PLAN AS NON-MITIGATION STRATEGY.</b>
#2 Complete fluvial geomorphology assessments and develop strategies in response to identified risk.	81	VT ANR, CCRPC	Fluvial Geomorphic Assessments	Continue Phase I and Phase II fluvial geomorphic assessments on streams and waterways in Chittenden County.	COMPLETED. <b>REMOVE FROM 2016 PLAN</b>
	82	VT ANR, CCRPC	Fluvial Erosion Hazard Mapping	Rate the fluvial erosion hazard for each assessed reach and develop a	COMPLETED. <b>REMOVE FROM 2016 PLAN.</b>

			fluvial erosion hazard map for the waterway using SGAT. Create map of all assessed reaches. Submit to VT ANR for QA/QC.	
82	TBD, determined by funding.	River Corridor Management Plans	Where Phase I and II assessments are complete, develop a river corridor management plan.	COMPLETED. River Corridor Plans and/or reach-by-reach project ideas have been developed for numerous streams throughout the County. <b>REMOVE FROM 2016 PLAN.</b>
82	Municipalities (see annex for specific responsible entity)	Fluvial Erosion Hazard Mitigation Implementation	<b>Develop strategies to mitigate losses from identified fluvial erosion hazards.</b>	Municipalities are incorporating discussions of FEH and Flood Resiliency in their comprehensive plans and working to formally address FEH and River Corridor Protections in their bylaws and updated hazard mitigation plan annexes. <b>Continued in 2016 Plan (see Strategy 3)</b>

Mitigation Strategy	AHMP Page #	Primary Responsible Entity	Task	Brief Description	Progress since 2011 and Recommendation for 2016 Plan
#2, continued.	82	CCRPC, VT ANR	Flood Insurance Map Updates	Assist ANR in conducting outreach to municipalities on the Draft FIRM data, solicit input to the final revisions, and provide assistance to municipalities in updating floodplain regulations and zoning bylaws.	COMPLETED. <b>REMOVE FROM 2016 PLAN.</b>
#3 Evaluate capabilities of existing road and stormwater infrastructure	83	VT ANR, VTrans, CCRPC, CCMPO	Infrastructure Assessment for Stormwater Vulnerability	Assess the vulnerability and operational capability of municipal-owned roads, culverts and other stormwater infrastructure in areas with recurring stormwater and snowmelt problems.	CCRPC is working on an analytical tool to collate information from various data sources to facilitate prioritization of repair and/or replacement <b>Continued in 2016 Plan (see Strategy 3)</b>
	84	VT ANR, VTrans, CCRPC, CCMPO	Infrastructure Assessment for Fluvial Erosion/Landslide Vulnerability	Assess the vulnerability and operational capability of municipal-owned roads, culverts, bridges and other infrastructure to fluvial erosion and landslide events.	CCRPC is working on an analytical tool to collate information from various data sources to facilitate prioritization of repair and/or replacement <b>Continued in 2016 Plan (see Strategy 3)</b>
#4 Develop a regional climate action guide with goals and strategies to help reduce energy consumption, reduce greenhouse gas emissions and mitigate climate change	84	CCMPO; CCRPC	Energy and Climate Action Guide	Research and develop an Energy and Climate Action Guide for Chittenden County and its municipalities.	COMPLETED. <b>REMOVE FROM 2016 PLAN.</b> <b>Related recommendations incorporated into 2016 Plan.</b>
#5 Complete landslide hazard assessments and develop strategies in response to	85	VGS, CCRPC	Landslide Hazard Assessment Protocol	Develop a landslide hazard protocol to evaluate county slopes and waterways.	Completed by Vermont Geological Survey with CCRPC as partner. Protocol development testing included the towns of Essex, South Burlington, Colchester,

identified risks.					Bolton and Shelburne. <b>REMOVE FROM 2016 PLAN.</b>
	85	CCRPC, VGS	Landslide Hazard Assessment and Mapping	Assess landslide hazards and prepare landslide hazard maps.	Other than the testing mapping described in the previous row, no funding has been secured to prepare additional maps. No funding identified for future research and not considered as significant hazard. <b>REMOVE FROM 2016 PLAN</b>

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#6 Identify hazardous materials transport information and train for transportation-related hazardous materials incidents.	87	CCRPC, LEPC #1	Hazardous Materials Transportation	<a href="#">Identify recent studies and current state databases to help identify hazardous materials transport and transportation-related hazardous materials incidents.</a>	Participate in the development of the state wide hazardous commodities flow study planned for FFY16-FFY17. <b>RETAIN IN 2016 PLAN AS NON-MITIGATION STRATEGY.</b>
	87	CCRPC, LEPC #1	Hazard Mitigation Planning by Other Entities	Identify hazard mitigation planning being done by other entities in Chittenden County.	No such plans identified. Other entities related planning typically includes response plans, safety plans, emergency operations plans, disaster/incident plans and capital plans. <b>REMOVE FROM 2016 PLAN.</b>
	87	CCRPC, LEPC #1	Identify Unmet Mitigation Data Needs	Determine emergency organizations' and municipalities' data needs for hazard mitigation planning.	No formal action to date. This action will continue through development of CCRPC's annual work program but given its lack of specificity with regards to a discrete mitigation task will be removed from 2016 Plan. <b>REMOVE FROM 2016 PLAN.</b>
	87	CCRPC, LEPC #1	Determine Data Development Feasibility	Determine which data gaps are feasible to fill given time and financial constraints.	No formal action to date. This action will continue through development of CCRPC's annual work program but given its lack of specificity with regards to a discrete mitigation task will be removed from 2016 Plan. <b>REMOVE FROM 2016 PLAN.</b>
	87	CCRPC, LEPC #1	Data Development	Identify partners for data development process. Plan projects to address data needs. Seek funding for research projects.	No formal action to date. This action will continue through development of CCRPC's annual work program but given its lack of specificity with regards to a discrete mitigation task will be removed from 2016 Plan. <b>REMOVE FROM 2016 PLAN.</b>
#7 Develop multi-partner public communications,	88	LEPC #1, CCRPC	Shelter-in-Place Workshops	Develop and conduct Shelter-in-Place information workshops for	Some initial workshops were conducted in 2009 however no formal action to date

<p>outreach and education projects to improve the capacity of the general public and private sector to mitigate the effects of and endure hazards.</p>				<p>schools, businesses, early childhood education centers and nursing homes.</p>	<p>since 2011 and this information is best disseminated by other agencies. <b>REMOVE FROM 2016 PLAN.</b></p>
	89	LEPC #1, VT 2-1-1	Coordination with Vermont 2-1-1	Strengthen coordination and partnerships with Vermont 2-1-1, in order to better communicate information to the public in an emergency.)	<p>Vermont 2-1-1 is a regular participant at LEPC#1 meetings. However this is primarily a response and recovery task.. <b>REMOVE FROM 2016 PLAN.</b></p>
	89	LEPC #1, CCRPC	Communications, Outreach & Education	Identify and implement projects to coordinate communications, outreach and education for emergency management and hazard mitigation.	<p>No formal action to date. This action will continue through development of CCRPC's annual work program but given its lack of specificity with regards to a discrete mitigation task will be removed from 2016 Plan. <b>REMOVE FROM 2016 PLAN.</b></p>