

Washington State Enhanced Hazard Mitigation Plan

State Agency	Programs, Plans, Policies, Regulations, Funding or Practices	Effect on Loss Reduction (X)			Funding for Mitigation	Hazard Addressed	Description
		Support	Facilitate (make easier)	Hinder			
The Climate Legislative and Executive Workgroup	The Workgroup is charged with recommending a state program of actions and policies to reduce greenhouse gas (GHG) emissions.		X			Climate Change, All Natural Hazards (save Earthquake and Volcano)	The Climate Legislative and Executive Workgroup was created under Engrossed Second Substitute Senate Bill 5802 (E2SSB 5802) during the 2013 Regular Session. The Workgroup is charged with recommending a state program of actions and policies to reduce greenhouse gas (GHG) emissions, that if implemented would ensure achievement of the state's emissions reductions limits set in Chapter 70.235 by the 2008 legislature.
County Road Administration Board	The CRAB manages three grant programs to help counties meet their transportation needs.		X		Yes	All Natural Hazards	The mission of the Washington State County Road Administration Board (CRAB) is to preserve and enhance the transportation infrastructure of Washington Counties. Grant money can go towards roads, bridges, and county ferry systems. (RCW 36.78 and 46.68, WAC 136-163)
Department of Archeology and Historic Preservation			X			All Natural Hazards	DAHP advocates for the preservation of Washington's irreplaceable historic and cultural resources—significant buildings, structures, sites, objects, and districts—as assets for the future.
Department of Commerce	Clean Energy Revolving Loan Fund		X			Climate Change	In 2013, Governor Inslee and the Legislature allocated \$15 million of state funds to create the Clean Energy Revolving Loan Fund. Commerce awarded these funds to two lenders, Craft3 and Puget Sound Cooperative Credit Union, to be matched with private capital and used to make loans for energy efficiency and renewable energy projects in Washington.
	Critical Areas Ordinance	X			Yes	Earthquake, Flood, Landslide, tsunami, Volcano	Growth Management Act requires all cities and counties in the state to identify critical areas including frequently flooded areas and geologically hazardous areas, and to establish regulations that limit development in those areas. It also prohibits expansions of urban growth areas into one-hundred year floodplains. (RCW 36.70A, WAC 365-190-080)

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Community Development Block Grant (CDBG) programs		X		Yes	All Natural Hazards	Several of the seven CDBG programs fund projects in eligible communities that improve, repair, or rehabilitate housing or infrastructure systems to meet urgent needs or to deal with an imminent threat to public health and safety. (RCW 35.21, 35.81, 43.168, WAC 182-20)
Community Development Block Grant – National Disaster Resilience Competition program	X			Yes	All Natural Hazards (with a focus on Floods)	In 2014 HUD announced a new CDBG-DR funding opportunity that Washington State is eligible for. At the time of writing, the State was developing an application (due 3/2015).
Growth Management Services		X			All Natural Hazards	The Growth Management Services Office supports local jurisdictions with their Comprehensive Land Use Plans as required under the Growth Management Act.
Rooftop Solar Challenge II		X			Sever Storms, Climate Change	Commerce is currently leading a U. S. Department of Energy funded project, Rooftop Solar Challenge II. This project brings together state and local government in Oregon and Washington to develop and implement streamlined permitting of solar projects and consider the application of solar ready criteria
Public Works Trust Fund – Construction Loans, Emergency Loans	X			Yes	All Natural Hazards	Trust fund construction loans allow for rehabilitation and reconstruction of eligible public works systems. (RCW 43.155, WAC 399-30)
State Energy Office		X		Yes	All Natural Hazards	Manages the State Energy Program. Are a resource for delivering energy benefits, addressing state energy goals, and coordinating energy-related emergency preparedness in the state.
Department of Ecology Clean Water State Revolving Fund	X			Yes	Flood	This program funds water quality protection projects for wastewater treatment, nonpoint source pollution control, and watershed and estuary management.

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Coastal and Estuarine Lands Conservation Program	X			Yes	Flood, Tsunami	Washington's CELCP Plan seeks to protect important coastal and estuarine areas having significant conservation, recreation, ecological, historical, or aesthetic values, which are threatened by conversion. It gives priority to lands which can be effectively managed and protected and which have significant ecological value. Local governments, federally recognized tribal governments, and state agencies with authority to own land are eligible to apply for land acquisition assistance.
Coastal Resilience Network		X			All Natural Hazards	The network is supported by ECY and Washington SeaGrant. One of its goals is to "Increase understanding of coastal hazard vulnerability and strengthen local capacity to improve coastal resilience in Southwest Washington."
Coastal Zone Management Program		X		Yes	Flood, Tsunami	This program allows the State to have review authority over certain federal programs. Grant funds are available to eligible local governments for planning, environmental inventories, land-use designation mapping, and policy development related to shorelines.
The Dam Safety Office (DSO).	X				Earthquake, Flood	The Dam Safety Office (DSO) regulates over 1,000 dams in the state that impound at least 10 acre-feet of water. The authority to regulate dams and to provide for public safety: State Water Code RCW 90.03; Flood Control Act RCW 86.16; Department of Ecology RCW 43 21A
Emergency Agricultural Water Supply Funds		X		Yes	Drought	Provides grants and loans for emergency water supply projects in declared drought areas to help irrigated crops and fisheries survive. (RCW 43.83B.415, WAC 173-166)
Flood Control Assistance Account Program	X			Yes	Flood	Provides financial assistance to local agencies to prepare comprehensive flood control management plans and flood control maintenance projects. (RCW 86.26, WAC 173-145)

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Floodplains by Design	X			Yes	Flood	In 2013 the Department of Ecology was successful in securing legislative funding through the Floodplain by Design effort. Ecology was given \$33 million to advance integrated floodplain projects in Puget Sound and an additional \$11 million for a statewide floodplain management and control competitive grant program.
Floodplain Management Act	X				Flood	Requires development to avoid the floodway and minimize harm to floodplains and wetlands. (RCW 86.16, WAC 173-158)
Integrated Water Quality Funding Program		X			Flood	Funds construction projects associated with publicly-owned wastewater and Stormwater facilities.
National Flood Insurance Program (NFIP)		X			Flood	The State Department of Ecology serves as the state coordinating agency for the NFIP and works with FEMA and local communities to address state concerns.
Ocean Resources Management Act		X			Flood, Tsunami	Establishes policies and guidelines for state and local management authority over Washington’s coastal waters, seabed, and shorelines. This statute addresses the coastal and ocean natural resources within three miles of the state’s coastline. (RCW 43.143.005 – 43.143.902)
Seashore Conservation Act		X			Flood	The Seashore Conservation Act (SCA) declares the necessity of dedicating the uses of the Pacific Ocean Beaches of Washington “...to public recreation and to provide certain recreational and sanitary facilities.” The SCA applies to “the beaches bounding the Pacific Ocean from the Straits of Juan de Fuca to Cape Disappointment at the mouth of the Columbia River.” (RCW 79A.05.600-625)
Shoreline Management Act		X		Yes	Flood, Tsunami	Citizens passed the Shoreline Management Act in 1971 to restrict development in shoreline areas to “reasonable and appropriate uses” and to protect shoreline resources and aquatic life. (RCW 90.58, WAC 173-18 and -20)

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Stormwater Financial Assistance Program (SFAP)	X			Yes	Flood	2013 legislation directed Ecology to work with stakeholders to develop a long-term stormwater funding program. As of 2014, the Stormwater Stakeholder Financial Assistance Work Group continues to meet and provide input and assistance to Ecology in the development of SFAP.
Water Resources Program – Drought Response		X		Yes	Drought	Provides emergency water permits, financial assistance and temporary transfer of water rights during a state-declared drought emergency. (RCW 43.83B.400 to -430, WAC 173-166)
Washington State Integrated Climate Change Response Strategy		X			All Natural Hazards	The response strategy lays out a framework that decision-makers can use to help protect Washington’s communities, natural resources and economy from the impacts of climate change.
Wetland Mitigation Banking	X					The wetland mitigation bank rule (WAC 173-700) identifies the criteria necessary for implementing and operating an environmentally sound banking system in Washington State.
Department of Enterprise Services	Earthquake Construction Standards (RCW 70.86)			X	Earthquake	Approved in 1955. Requires newly constructed schools, hospitals, and places of public assembly to withstand a lateral force of 5 percent of the building weight. Law did not keep up with changes in code criteria; outdated by time 1973 building codes adopted. Remains on the books.
	Achieving Energy Efficiency in State Buildings 12-06		X		Climate Change, All Natural Hazards (save Earthquake and Volcano)	Governor's directive to reduce energy use in buildings. DES Engineering and Architectural Services is the lead for this program.

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	State Building Code	X				All Natural Hazards	Washington incorporates the latest International Building Codes (I-Codes) via the Washington State Building Code Council (SBCC). In addition to adopting the I-Codes, the SBCC also adopts other types of codes (and amendments to the I-Codes) to enhance building regulations to account for conditions unique to our state. The 2012 I-Codes became effective July 1, 2013; updates are every three years 2015, 2018, 2021, etc. (RCW 19.27, WAC 51)
			X			Climate Change, All Natural Hazards (save Earthquake and Volcano)	State building codes, directed by law (RCW19.27A.160), will achieve 70% reduction in energy use in buildings by 2030—reduces GHG emissions, avoids new power plants, addresses climate change.
Department of Fish and Wildlife	Hydraulic Code		X			Flood	This law requires development in shorelines of marine and fresh waters of the state to include mitigation measures that protect aquatic habitat and fish. Work must comply with the State Environmental Policy Act. (RCW 77.55, WAC 220-110)
	Fire Restrictions	X				Wildland Fire	WDFW manages nearly 1 million acres of land; the fire restrictions it puts in place reduce the risk of accidental, human caused wildland fire.
	Land Acquisitions		X			All Natural Hazards	WDFW manages nearly 1 million acres of land; its land acquisition program reduces development in sensitive areas.
	Wildlife Management Areas		X			All Natural Hazards	WDFW manages nearly 1 million acres of land, divided into 33 wildlife management areas. These lands help protect the state's critical fish and wildlife habitat, provide recreation opportunities for the public, and include nearly all species and habitats found in Washington.
Department of Natural Resources	Division of Geology and Earth Resources / State Geological Survey	X				Earthquake, Landslide, Tsunami, Volcano	Evaluates geologic hazards, develops hazard maps, conducts damage assessment following disasters, and provides advice on mitigation measures. (WAC 332)

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Firewise Program	X				Wildland Fire	Provides homeowners and communities with information on how best to protect their homes and facilities from the risk of wildland fire.	
Forest Practices Act		X			Landslides	Among other things, the act requires owners of forestlands to prevent landslides caused by logging or other uses. (RCW 76.09, WAC 222)	
Forest Stewardship Program	X			Yes	Wildland Fire	Helps family forestland owners with hazard reduction training and funding to assist with thinning and other actions to reduce wildfire hazard.	
Forestry Riparian Easement Program		X		Yes	Flood, Landslide	The Forestry Riparian Easement Program compensates eligible small forest landowners in exchange for a 50-year easement on “qualifying timber.” This is the timber the landowner is required to leave unharvested as a result of forest practices rules protecting Washington’s forests and fish.	
Resource Protection Division	X				Wildland Fire	Provides Washingtonians information on preventing wildland fires. Approves and supports the creation of Community Wildfire Protection Plans.	
Department of Transportation	2005 Transportation Partnership Program (TPA)	X			Yes	Earthquake	The 2005 Washington State Legislature provided a 16-year expenditure plan to take care of some of Washington State’s most critical transportation needs; with \$2.98 billion going toward upgrading the state’s bridges.
	Avalanche Control	X				Avalanche	WSDOT avalanche control technicians work to reduce the potential hazard using all available experience and tools. This means operating a comprehensive program to control when and how to bring down unstable snow.
	Bridge Seismic Retrofit Program	X			Yes	Earthquake	Funds the seismic retrofitting of state-owned bridges to minimize and avoid catastrophic bridge failure due to earthquakes.
	Cronic Environmental Deficiencies Program		X			Flooding	This program reduces localized flooding along the state highway system while improving fish habitat.

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Emergency Relief Program	X			Yes	All Natural Hazards	Funds temporary and permanent repairs to federal-aid roads and bridges damaged by natural disaster. Also funds “betterments” that provide a reasonable assurance of <u>preventing future disaster damage</u> .
Federal Highways Bridge Program	X			Yes	Earthquake	Funds repair and rehabilitation of locally-owned bridges, to include seismic retrofit and scour mitigation.
Landslide Monitoring		X			Landslides	WSDOT monitors slides near highways and other roads on an as-needed basis.
Rail - Corridor Reliability Supplemental Work	X			Yes	Landslides	In 2013 Washington state began work on a \$16.1 million project to design and construct slope stabilization along rail tracks between Vancouver, WA and the Canadian border. The work will be primarily focused between Everett and Seattle as a result of preliminary geotechnical work and repeated landslides. The project is funded through federal high speed rail funds from the 2009 Recovery and Reinvestment Act, administered by the Federal Railroad Administration (FRA).
Governor’s Office	The Carbon Emissions Reduction Taskforce	X				The Carbon Emissions Reduction Taskforce (CERT) is composed of 21 leaders from business, labor, health and public interest organizations, that will provide recommendations to the governor on design and implementation of a market-based carbon pollution program.
	Evaluation of Flood Hazard in Locating State Facilities, and Reviewing and Approving Sewage and Water Facilities and Subdivisions, Executive Order 77-11	X			Flood	Requires state agencies to avoid locating and building state facilities, roads, and campgrounds in floodplains, requires agencies to flood proof existing facilities, and to consider reduction of potential flood damage when reviewing plans for water and wastewater facilities and residential subdivisions and trailer parks.

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Marine Spatial Planning		X			Flood, Tsunami	Marine spatial planning is a comprehensive and integrated approach to managing human uses and activities in the marine environment. MSP allows for coordination between all ocean and coastal users, draws upon the best available science, and creates an inclusive decision-making process that carefully considers economic, social, ecological, and cultural interests.
State Agency Risk Management, Executive Order 01-05		X			All Natural Hazards	Requires state executive agencies to reduce and minimize loss from tort claims against the state; it includes language that could apply to reducing threats posed by natural hazards through mitigation.
Sustainable Practices by State Agencies, Executive Order 02-03		X			All Natural Hazards	Requires state executive agencies to establish sustainability objectives regarding facility construction, operation and maintenance; it includes language that could apply to reducing threats posed by natural hazards through mitigation.
Washington Carbon Pollution Reduction and Clean Energy Action, Executive Order 14-04		X			Climate Change, All Natural Hazards (save Earthquake and Volcano)	Outlines a variety of actions for various state agencies to increase energy efficiency, reduce greenhouse gas emissions, and create incentives for private investment in said activities.
Washington Climate Change Challenge 07-02		X			Climate Change, All Natural Hazards (save Earthquake and Volcano)	Establish greenhouse gas emissions reduction and clean energy economy goals.
Washington's Leadership on Climate Change 09-05		X			Climate Change, All Natural Hazards (save Earthquake and Volcano)	Provides emission directives, transportation directives and sea level rise impact contingencies.

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	Washington Marine Resources Advisory Council (MRAC)		X			Climate Change, All Natural Hazards (save Earthquake and Volcano)	Advocate for reductions in emissions of carbon dioxide at a global, national and regional level and implement local solutions.
	Infrastructure Assistance Coordinating Council (IACC)		X			All Natural Hazards	The Infrastructure Assistance Coordinating Council (IACC) is a nonprofit organization dedicated to helping Washington communities identify and obtain resources they need to develop, improve, and maintain infrastructure. It consists of staff from state and federal agencies, local government associations, and nonprofit technical assistance organizations.
Military Department / Emergency Management Division	Earthquake Program	X				Earthquake, Tsunami	Provides coordination and oversight of seismic safety programs, supports public education and mitigation planning, and provides tools to support seismic hazard reduction.
	Flood Mitigation Assistance Program (FMA)	X			Yes	Flood	This program funds flood mitigation plans, provides technical assistance, and funds construction projects that reduce flood risk to insured, repetitive loss properties.
	Hazard Mitigation Grant Program (HMGP)	X			Yes	All Natural Hazards	This program, available after a Presidential disaster declaration, funds hazard mitigation plans and cost-effective projects that reduce or eliminate the effects of hazards and/or vulnerability to future disaster damage. Typically, the state provides a portion of the required non-federal match.
	Hazard Mitigation Strategist	X				All Natural Hazards	The State maintains staff to assist local and tribal governments in hazard mitigation planning.
	National Tsunami Hazard Mitigation Program	X				Tsunami	This program provides tsunami modeling for preparedness planning, mitigation initiatives, and public education; provides warning guidance to local jurisdictions; and facilitates installation of all-hazard alert systems in coastal areas.

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Pre-Disaster Mitigation Grant Program (PDM)	X			Yes	All Natural Hazards	This annual, nationally competitive program funds hazard mitigation plans and cost-effective projects that reduce or eliminate the effects of hazards and/or vulnerability to future disaster damage.	
Public Assistance Program – Hazard Mitigation Funding under Section 406 (Stafford Act)	X			Yes	All Natural Hazards	This program, available after a Presidential disaster declaration, allows mitigation measures to be designed into projects to repair or restore public facilities damaged by the disaster event.	
Volcano Program	X				Volcano	The division coordinates the efforts of workgroups for each of the state’s five volcanoes, and helps in the development of response, preparedness and mitigation initiatives.	
Office of the Insurance Commissioner	Consumer Information		X		All Natural Hazards	Provides consumers information on insurance options offered in the State of Washington.	
Recreation and Conservation Office	Aquatic Lands Enhancement Account	X			Yes	Flood	Provides grants to buy, protect, and restore aquatic lands habitat and to provide public access to the waterfront. (RCW 79.90, 79.105, WAC 286-42)
	Estuary and Salmon Restoration Grants		X		Yes	Flood	Provides grants to restore or protect Puget Sound near-shore ecosystem processes and functions.
	Habitat and Recreation Lands Coordinating Group		X			All Natural Hazards	The Coordinating Groups improves visibility and coordination of state habitat and recreation land purchases and disposals. Members include representatives of state and local governments, private landowners, and conservation organizations.
	Land and Water Conservation Fund	X			Yes	All Natural Hazards	Provides grants to buy or develop public outdoor recreation areas and facilities. (WAC 286-40)
	Riparian Protection Grants	X			Yes	Floods	Provides funding to protect riparian areas. Projects must include property acquisition.
	Salmon Recovery Funding Board	X			Yes	Flood	Provides grants to protect and restore salmon habitat which includes acquisition of land in floodplains. (RCW 77.85)

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	Washington Wildlife and Recreation Program	X			Yes	All Natural Hazards	Provides grants for local and state parks, trails, water access, state land conservation and restoration, farmland preservation, and habitat conservation. (RCW 77.85, WAC 286-27)
Transportation Improvement Board	The TIB runs 6 grant programs		X		Yes	All Natural Hazards	The TIB funds high priority transportation projects in communities throughout the state to enhance the movement of people, goods, and services.
University of Washington, and various partner organizations	Pacific Northwest Seismic Network	X				Earthquake, Tsunami, Volcano	Operates network of seismographs whose data help scientists understand Pacific Northwest earthquake hazards and predict volcanic eruptions at Mount St. Helens. Network scientists are active in public outreach and education for these hazards.
University of Washington	Climate Impacts Group (CIG)		X			Climate Change: All Natural Hazards (save Earthquake and Volcano)	The Climate Impacts Group (CIG) is an internationally recognized interdisciplinary research group studying the impacts of natural climate variability and global climate change.
	Office of the State Climatologist		X			All Meteorological Hazards, Climate Change	Serves as a credible and expert source of climate and weather information for state and local decision makers and agencies working on drought, flooding, climate change, and other related issues.
The Washington State Conservation Commission (SCC)	The Washington State Conservation Commission (SCC)		X			All Natural Hazards	The Washington State Conservation Commission (SCC) works with 45 partner conservation districts across the state to encourage voluntary natural resource stewardship on private lands.
Washington State Transportation Commission	The Washington Transportation Plan		X			All Natural Hazards	The Washington Transportation Plan is a comprehensive and balanced statewide transportation plan that establishes a 20-year vision for the development of the statewide transportation system.