

2021 Seattle All-Hazards Mitigation Plan Update

June 8, 2021

OEM Director Curry Mayer



WHAT IS THE ALL-HAZARDS MITIGATION PLAN (HMP)?

- Comprehensive document
- Detailed information about the types of hazards we face (SHIVA)
- Actions we can take before disaster strikes
- Approved by Federal Emergency Management Agency
- **Keeps Seattle eligible for FEMA mitigation grants**

WHAT'S NEW FOR THIS UPDATE?

- More departments engaged
- Listing of major citywide plans, codes and funding levies
- Evolving information on community-led investments
- Adjust criteria to reflect values – RSJI, collaboration, multiple benefits



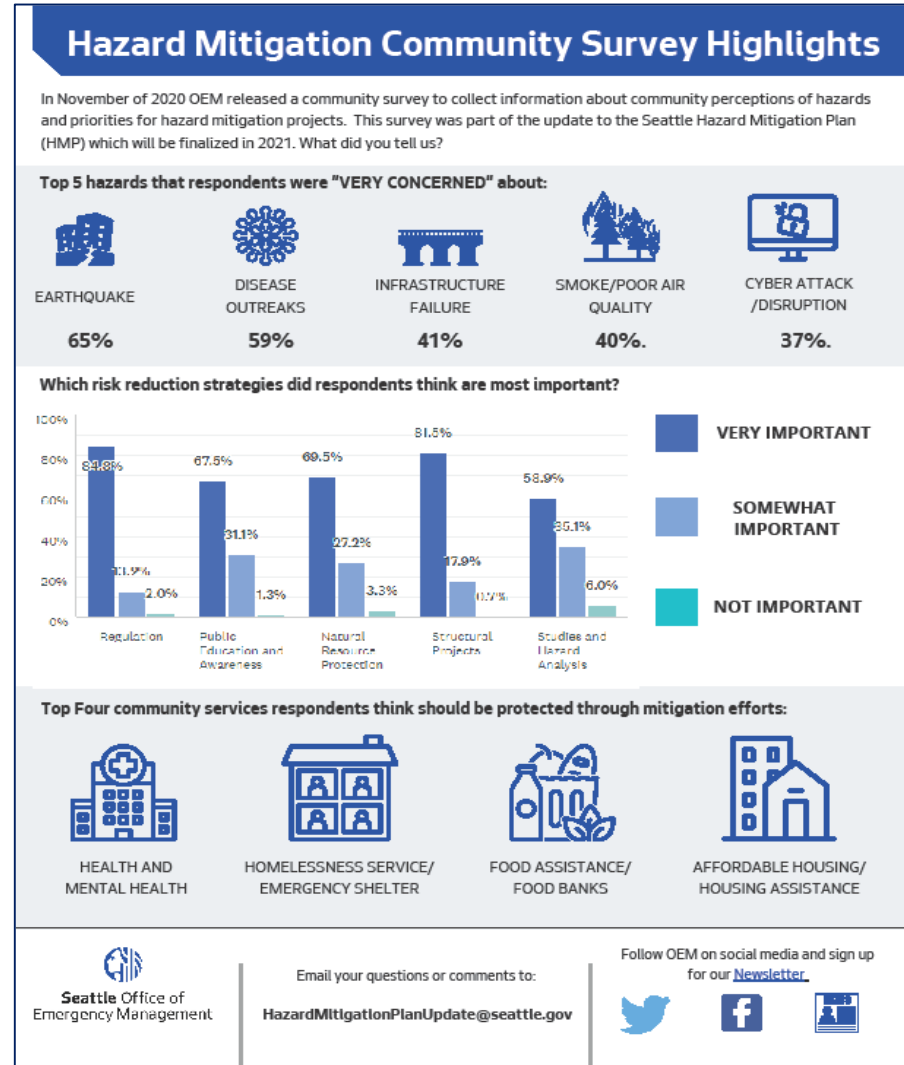
WHAT DO WE PLAN TO DO IN THE FUTURE?

Some of the 47 mitigation projects in the updated HMP:

- Seismic retrofits of bridges and dams
- Seismic retrofit of three Carnegie branch libraries
- Integrate hazard mitigation policies into the next Comprehensive Plan update
- Design multi-purpose infrastructure to protect South Park from sea level rise
- Replace the retaining wall on N Northlake Way
- Seismic upgrades for the Riverton and Eastside reservoirs

Community Survey Results

- **Earthquakes** are the hazard of greatest concern
- Priority facilities:
 - health & mental health,
 - homelessness services /emergency shelters,
 - food banks, and
 - affordable housing



FEMA Hazard Mitigation Grants

- Awarded in excess of \$23 million + in FEMA funding for projects and planning
- Pending applications:
 - Three (3) seismic applications pending
 - Totaling more than \$21 million

Mitigation Project Title	Hazard	Funding Source	Award Date	Award Project Cost Total	Reimbursement level	Lead Department	Principal Beneficiary(ies)	Status
University Bridge Seismic	Earthquake	HMGP - DR 981	Aug-95	\$ 900,000	87.5%	SDOT [Seattle Eng. Dept.]	SDOT [Seattle Eng. Dept.]	Completed
Bridge Six Seismic Project **	Earthquake	HMGP - DR 1979	Aug-97	\$ 3,337,630	87.5%	SeaTran	SeaTran	Completed
Fire Station 2 & 18 Seismic Retrofit	Earthquake	HMGP - DR 1100	May-97	\$ 1,096,000	87.5%	ESD [Facilities]	Seattle Fire	Completed
Duwamish Head Stabilization Project	Landslide	HMGP - DR 1159	Mar-99	\$ 2,187,500	87.5%	SPU [DWU]	Parks, Private Property Owners	Completed engineering award!
North Queen Anne Dr. Bridge Seismic Retrofit	Earthquake	HMGP - DR 1361	Aug-02	\$ 1,200,000	87.5%	SDOT	SDOT	Completed
Low Income Home Seismic Retrofit	Earthquake	HMGP - DR 1361	Jan-03	\$ 1,000,000	87.5%	SPD/OEM	Low Income Private Property Owners	Completed
Mitigation Plan Development	All Hazards	HMGP - DR 1361	Oct-03	\$ 100,000	87.5%	SPD/OEM	Citywide Plan	Completed
South Lake Union Armory Building Seismic Retrofit	Earthquake	PDMC 2005	Nov-05	\$ 713,229	75%	Parks	Parks & MOHAL (current tenant)	Completed
Gas Shut Off Valves Project	Earthquake & Fire	HMGP - DR 1671	Sep-08	\$ 200,000	87.5%	FFD	FFD & multiple tenant departments	Completed
Queen Anne Community Center Seismic Retrofit	Earthquake	HMGP - DR 1671	Aug-08	\$ 780,000	87.5%	Parks	Parks; ESF 6 Sheltering	Completed
Post Alley Areaway Seismic Retrofit	Earthquake	HMGP - DR 1682	Oct-10	\$ 589,055	87.5%	SDOT	SDOT, Seattle Steam, hospitals, Pioneer Square	Completed
Urban Flood Hazard Identification Project	Urban Flooding	HMGP - DR 1817 & 1825 5%	Nov-10	\$ 208,500	87.5%	SPU	SPU	Completed
Jefferson Community Center Seismic Retrofit	Earthquake	HMGP - DR 1817 & 1825	May-11	\$ 1,371,198	87.5%	Parks	Parks; ESF 6 Sheltering	Completed
URM Public Education and Outreach	Earthquake	HMGP DR 4056 5% Funding	Jul-12	\$ 71,905	87.5%	DPD	DPD	Completed
Mitigation Plan Update & Seismic Assessment	All Hazards	PDMC 2011	Nov-11	\$ 379,220	75%	OEM & FAS	Citywide Plan	Completed
Columbia St. Areaway Seismic Retrofit	Earthquake	HMGP - DR 4243	May-17	\$ 1,737,885	87.5%	SDOT	SDOT	Completed
Bremer Apartments Seismic Retrofit	Earthquake	PDM 2018	May-20	\$ 5,016,312	75%	Office of Emergency Management	Community Roots Housing (formerly Capitol Hill Housing) & Office of Housing	In progress
8th Ave NW Bridge Seismic Retrofit	Earthquake	HMGP DR 4309	Oct-20	\$ 2,691,045	87.5%	SDOT	SDOT	In progress
		Award Total:		\$ 23,579,479				
Pending Applications								
Hiawatha Community Center Seismic Retrofit Proj	Earthquake	PDMC 2019		\$ 704,634	75%	Parks & Recreation		
Northlake Retaining Wall Seismic Retrofit Project	Earthquake	BRIC 2020		\$ 17,637,637	75%	SDOT		
Tolt Water Supply Pipeline Seismic Resiliency Pro	Earthquake	BRIC 2020		\$ 2,876,336	75%	SPU		



Next steps...

- Promulgate to Council for their approval
- Final review & approval by:
 - WA State Emergency Management Division
 - FEMA

MITGATION WORK GROUP MEMBERS

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****New for 2021 HMP**

