Water Supplier	Proposed Seismic Projects	Est. Cost
City of Seattle	Transmission pipeline seismic upgrades	\$30M
	Storage reservoir upgrades	\$30M
	Building upgrades	\$15M
	Reservoir and tank seismic valves	\$8M
	Transmission system isolation valves	\$8M
	Distribution system isolation valves	\$8M
	Emergency preparedness improvements	\$5M
	Cascades Dam	\$90M
City of Tacoma	Water supply seismic upgrades	\$15M
	Transmission pipeline seismic upgrades	\$34.5M
	Reservoir strengthening and tank seismic	\$9.5M
	valves	
	Emergency preparedness improvements	\$5M
City of Everett	Dam seismic upgrades	\$2.5M
	Treatment plant seismic upgrades	\$13M
	Transmission pipeline seismic upgrades	\$71M
	Emergency preparedness improvements	\$0.2M
	Reservoir 3 replacement	\$62M
		44 514
Cedar River Water and Sewer District	East Area second water supply line	\$1.5M
(Seattle wholesale customer)	Water tank study and upgrade	\$3.2M
	Onsite backup power generation	ŞU.45IVI
King County Water District 90	Saismis driven relevation of wellfield and	¢1 ΕΝΛ
(Seattle wholesale customer)	water treatment plant	\$1.3IVI
(Seattle wholesale customer)	Building and Operations Center ungrades	Ś3M
		ŞSIVI
North City Water District	Distribution system seismic upgrades	\$6.7M
(Seattle wholesale customer)	Reservoir seismic upgrades	\$8.5M
(,		<i>\</i>
Northshore Utility District	Evergreen Hospital on-site reservoir	\$7M
(Seattle wholesale customer)		,
· · · · ·	24" CCP transmission main seismic restraint	\$0.6K
	and liquefaction zone	
	ShakeAlert; early seismic warning and	\$0.08M
	control system	
	Building upgrades	\$0.3M

September 2021 Estimated Water System Seismic Upgrade Needs for 2020-2030¹

¹ The list of projects should be used to show the types and cost magnitude of the projects needed. Individual projects will need detailed cost estimates. Further sequencing and prioritization will be needed.

Water Supplier	Proposed Seismic Projects	Est. Cost
Soos Creek Water and Sewer District	Tank 6 upgrade	\$3.8M
(Seattle wholesale customer		
City of Issaquah	Storage reservoir seismic upgrades	\$5.5M
(Seattle wholesale customer via Cascade	Watermain seismic upgrades	\$10M
Water Alliance wholesale customer)	Pump station seismic upgrades	\$3.5M
	Wells seismic upgrades	\$5.2M
	Meter and valve seismic upgrades	\$0.5M
	System resiliency and redundancy	\$8.5M
	improvements	
City of Bellevue	Clyde Hill 390 reservoir seismic upgrades	\$3.8M
(Seattle water system via Cascade Water	Forest Hills reservoir seismic upgrades	\$5.3M
Alliance wholesale customer)	Horizon View 3 reservoir seismic upgrades	\$2.7M
	Newport reservoir seismic upgrades	\$2.9M
	High priority resilient backbones	\$27M
	Emergency wells	\$30M
	Vulnerable water main seismic upgrades	\$31M
	Earthquake response infrastructure	\$2.5M
City of Kirkland	Storage reservoir seismic upgrades	\$4M
(Seattle water system via Cascade Water	Water main seismic upgrades	\$2M
Alliance wholesale customer)		
Sammamish Plateau Water	Watermain seismic upgrades	\$14M
(Seattle water system via Cascade Water		
Alliance wholesale customer)		
City of Tukwila	Cast iron seismic upgrade and replacement	\$20M
(Seattle water system via Cascade Water	(to be done in phases with some phases after	
Alliance wholesale customer)	2032)	
	Southcenter Blvd & Crystal Sprints resiliency	\$5M
	upgrades	4-14
	Interties seismic upgrades and additions	\$5M
	Seismic upgrades of mains on bridges (to be	Ş2M
	done in 4 phases with some phases after	
	2032)	CO 514
		ŞU.SIVI
Cascado Wator Allianco	Emorgonov boso	¢ 4 N A
(Soottle wholesele sustemer)		Ş4IVI
(Seattle Wildlesale Custonier)		
Covington Water District	Tank 4 replacement project	\$7M
Covingion water District	Tank 4 replacement project	\$71VI \$0N4
	Distribution system solemis upgrades	الالاد م د د ک
	Distribution system seismic upgrades	γΖ.ΖΙ ΫΙ
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