Table 5.2 Summary of vulnerability and potential magnitude of climate change impacts to Seattle City Light

						7	-41-17	A	1 **	
			Vul	Vulnerability	ility	-	of Imp	of Impact to	9	
			е	ty	to	l Cost		у		
Utility Function	Impacts Caused by Climate Change*	Time	Exposur	Sensitivi	Capacity Adapt	Financia	Safety	Reliabilit	Environn Respons	Ref. Pages
Coastal	1. Tidal flooding due to higher storm surge and	2030	0			Low	Ι	ı	Low	
properties	sea level rise	2050	•	•		Mod	ı	ı	Low	10-24
	2. Tidal flooding and salt water corrosion due to	2030	0)	Low	Ι	Low	1	
	higher storm surge and sea level rise	2050	•	C	•	Low	-	Low	ı	10-24
	4. Reduced transmission capacity due to warmer	2030	•))	Low	ı	Low	ı	34 30
	temperatures	2050			(Low	ı	Low	I	U4-U8
	5. More frequent outages and damage to	2030	0			Low	Low	Low	ı	
Transmission	changes in extreme weather*	2050	0			Low	Low	Low	1	40-40
and distribution	6. More damage and interruptions of	2030	•			High	High	Med	1	77 53
	transmission and generation due to wildfire risk	2050	•		(High	High	Med	I	7
	7. More damage to transmission lines and	2030	•	•		Med	Low	Med	1	0
	access roads due to landslide risk	2050	•	(Med	Low	Med	ı	04-00
	9. More damage and reduced access to	2030	•			Med	1	Low	ı	74 74
	flooding and erosion	2050	•			High	ı	Low	I	/1-/4
	3a. Reduced electricity demand for heating in	2030	•	•		Med	ı	Low	ı)
Energy	winter due to warmer temperatures	2050	•			High	ı	Low	ı	NO-00
Demand	3b. Increased electricity demand for cooling in	2030	0)		Low	I	Low	ı	ว ก ง
	summer due to warmer temperatures	2050	•	(Med	I	Med	ı	70-00

^{**}The impacts are those caused by climate change in addition to historical conditions; most existing hazards (such as windstorms) will continue.
*Magnitude refers to the average event or normal condition for the timeframe, not the worst possible year or event that could occur.