## **ELEMENT 2 CHECKLIST**

## LAND USE, BUILDING DESIGN AND REGULATORY CONTEXT

○Yes	s = Action completed Somewhat = Action in progress or incomplete No = No action planned or taken Unknown = Status or action unknown No = No = No action planned or taken					○ N/A = Does	not apply		
GEN	IERAL			Value			Rank		
2.0.1		hysical parameters of each site or camp noted below are subjected to higher leve			!				
	Is the site loca	ted on low-lying barrier island and/or coa	stal regions?		Yes	Somewhat	○ No	Unknown	○ N/A
	Is the site loca	ted on or near 100-year or 500-year flood	lplains or wetlands?		Yes	Somewhat	○ No	OUnknown	○ N/A
	Is the site loca	ted in close proximity to major levees or d	ams?		Yes	Somewhat	○No	OUnknown	○ N/A
	Is the site loca	ted in close proximity to steep slopes subj	ject to erosion?		Yes	Somewhat	○No	OUnknown	○ N/A
	Is it located in	close proximity to an area subject to fire r	isk?		Yes	Somewhat	○ No	OUnknown	○ N/A
		ed 'yes' or 'somewhat' to the questions ab e hazard mitigation plans (HMPs) for affec			Yes	Somewhat	○No	Unknown	○ N/A
		pating in local community and/or regional these hazards?	initiatives around mitigation and		Yes	Somewhat	○ No	Unknown	○ N/A
and v	vill continue to b	health facilities have been impacted he impacted by climate-related haza r by sharing lessons learned and be	ards. Health care facilities can						
2.0.2	envelop and heal	care facility collect best practices and le thcare campus resilience from other hea eme weather disasters?	essons learned regarding building alth care facilities that have		Yes	Somewhat	○No	Unknown	○ N/A
2.0.3	envelopes adequa	s responsible for maintenance of your ho ately trained to manage an extreme wea ples of climate-related hazards, please refe	ther related emergency or						
	Are front-line v	workers engaged in the development of pl	ans and responses?		Yes	Somewhat	○ No	OUnknown	○ N/A
		ilding maintenance procedures include sp ty and continued functioning of your facili			Yes	Somewhat	○ No	OUnknown	○ N/A
					i				
		d Land Use, Siting and Landscape	•	Value			Rank		
Perfo	orm Step 1 for ea	nch campus or site	•	Value			Rank		
Perfo	orm Step 1 for ea Inventory stormw	ach campus or site rater management infrastructure		Value			Rank		
Perfo	Inventory stormw  Is the capacity 100-year storn	ach campus or site rater management infrastructure of existing stormwater management syst n events today?		Value	Yes	Somewhat	Rank	Unknown	○ N/A
Perfo 2.1.1	Inventory stormw  Inventory stormw  Inventory stormw  Inventory stormw  Visit the capacity  100-year storm  Will the system	ach campus or site vater management infrastructure of existing stormwater management syst n events today? n be adequate in 2030/2050/2080??		Value		Somewhat Somewhat		○ Unknown	○ N/A
Perfo	Inventory stormw  Inventory stormw  Inventory stormw  Inventory storm  Will the system  Inventory heat-is	ach campus or site vater management infrastructure of existing stormwater management syst n events today? n be adequate in 2030/2050/2080?? land contributors	em adequate for anticipated 50- or	Value	Yes	Somewhat	○ No	Unknown	○ N/A
Perfo 2.1.1	Inventory stormw  Is the capacity 100-year storm  Will the systen Inventory heat-is Have you insta	ach campus or site vater management infrastructure of existing stormwater management syst on events today? on be adequate in 2030/2050/2080?? land contributors alled reflective white roofs on buildings to	em adequate for anticipated 50- or reduce heat island impacts?	Value		Somewhat Somewhat	○ No ○ No	○ Unknown	○ N/A
Perfo 2.1.1	Inventory stormw  Is the capacity 100-year storm  Will the system Inventory heat-is Have you insta Do you have h	rater management infrastructure of existing stormwater management syst n events today? n be adequate in 2030/2050/2080?? land contributors alled reflective white roofs on buildings to igh-albedo, light colored paving on parkin	em adequate for anticipated 50- or reduce heat island impacts? g areas and walkways?	Value	Yes	Somewhat Somewhat Somewhat	No No No No No	Unknown Unknown Unknown	○ N/A ○ N/A ○ N/A
Perfo 2.1.1 2.1.2	Inventory stormw  Is the capacity 100-year storm  Will the system Inventory heat-is Have you insta  Do you have h Have you insta	rater management infrastructure of existing stormwater management syst n events today? n be adequate in 2030/2050/2080?? land contributors alled reflective white roofs on buildings to igh-albedo, light colored paving on parking	em adequate for anticipated 50- or reduce heat island impacts? g areas and walkways?	Value	Yes	Somewhat Somewhat	○ No ○ No	○ Unknown	○ N/A
Perfo 2.1.1	Inventory stormw  Is the capacity 100-year storm  Will the system Inventory heat-is:  Have you instated the property of the pr	rach campus or site rater management infrastructure of existing stormwater management syst in events today? In be adequate in 2030/2050/2080?? Illand contributors Illed reflective white roofs on buildings to igh-albedo, light colored paving on parking Illed green roofs to mitigate heat-island in inaterial and landscape vulnerabilities	em adequate for anticipated 50- or reduce heat island impacts? g areas and walkways?	Value	Yes Yes Yes	Somewhat Somewhat Somewhat	No No No No No	Unknown Unknown Unknown	○ N/A ○ N/A ○ N/A
Perfo 2.1.1 2.1.2	Inventory stormw  Is the capacity 100-year storm  Will the system Inventory heat-is Do you have h Have you insta  Do you have h Are existing try terms and pes	rater management infrastructure of existing stormwater management syst in events today? In be adequate in 2030/2050/2080?? Iland contributors alled reflective white roofs on buildings to igh-albedo, light colored paving on parkin alled green roofs to mitigate heat-island in inaterial and landscape vulnerabilities sees and plants resilient to climate change t/disease risks?	em adequate for anticipated 50- or reduce heat island impacts? g areas and walkways?	Value	Yes Yes Yes	Somewhat Somewhat Somewhat Somewhat	No No No No No No	Unknown Unknown Unknown Unknown Unknown	N/A N/A N/A N/A N/A
Perfo 2.1.1 2.1.2	Inventory stormw  Is the capacity 100-year storm  Will the system Inventory heat-is  Have you insta  Do you have h  Have you insta Inventory plant m  Are existing tre terms and pes  Are they droug	rater management infrastructure of existing stormwater management syst in events today? In be adequate in 2030/2050/2080?? Idand contributors Illed reflective white roofs on buildings to igh-albedo, light colored paving on parking Illed green roofs to mitigate heat-island in inaterial and landscape vulnerabilities lees and plants resilient to climate change t/disease risks? In the tolerant?	em adequate for anticipated 50- or reduce heat island impacts? g areas and walkways?	Value	Yes Yes Yes Yes	Somewhat Somewhat Somewhat Somewhat Somewhat Somewhat	<ul> <li>No</li> <li>No</li> <li>No</li> <li>No</li> <li>No</li> <li>No</li> <li>No</li> <li>No</li> </ul>	Unknown Unknown Unknown Unknown Unknown Unknown	○ N/A ○ N/A ○ N/A ○ N/A
Perfo 2.1.1 2.1.2	Inventory stormw  Is the capacity 100-year storm  Will the systen Inventory heat-is  Have you insta  Do you have h  Have you insta Inventory plant m  Are existing traterms and pes  Are they droug  In coastal area	rater management infrastructure of existing stormwater management syst in events today? In be adequate in 2030/2050/2080?? Illand contributors Illed reflective white roofs on buildings to igh-albedo, light colored paving on parkin Illed green roofs to mitigate heat-island in Illaterial and landscape vulnerabilities sees and plants resilient to climate change t/disease risks? Inthe tolerant? Is, are they salt-tolerant to storm surge?	em adequate for anticipated 50- or reduce heat island impacts? g areas and walkways? npacts? effects, both in general climate	Value	Yes Yes Yes Yes Yes	Somewhat Somewhat Somewhat Somewhat	No No No No No No	Unknown Unknown Unknown Unknown Unknown	N/A N/A N/A N/A N/A
Perfo 2.1.1 2.1.2	Inventory stormw  Is the capacity 100-year storm  Will the systen Inventory heat-is  Have you insta  Do you have h  Have you insta Inventory plant m  Are existing traterms and pes  Are they droug  In coastal area	rater management infrastructure of existing stormwater management syst in events today? In be adequate in 2030/2050/2080?? Idand contributors Illed reflective white roofs on buildings to igh-albedo, light colored paving on parking Illed green roofs to mitigate heat-island in inaterial and landscape vulnerabilities lees and plants resilient to climate change t/disease risks? In the tolerant?	em adequate for anticipated 50- or reduce heat island impacts? g areas and walkways? npacts? effects, both in general climate		<ul> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> </ul>	Somewhat Somewhat Somewhat Somewhat Somewhat Somewhat	No No No No No No No No No	Unknown Unknown Unknown Unknown Unknown Unknown Unknown	○ N/A ○ N/A ○ N/A ○ N/A ○ N/A ○ N/A
2.1.2 2.1.3 2.1.4	Inventory stormw  Is the capacity 100-year storm  Will the system Inventory heat-is  Have you insta  Do you have h  Have you insta Inventory plant m  Are existing tre terms and pes  Are they droug  In coastal area  Based on answelandscape	rater management infrastructure of existing stormwater management syst in events today? In be adequate in 2030/2050/2080?? Idand contributors Idled reflective white roofs on buildings to igh-albedo, light colored paving on parking Idled green roofs to mitigate heat-island in itaterial and landscape vulnerabilities bees and plants resilient to climate change t/disease risks? Ight tolerant? Is, are they salt-tolerant to storm surge? In the resilience of	em adequate for anticipated 50- or reduce heat island impacts? g areas and walkways? npacts? effects, both in general climate	3 (Exemplar	<ul> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> </ul>	Somewhat Somewhat Somewhat Somewhat Somewhat Somewhat Somewhat	No N	Unknown Unknown Unknown Unknown Unknown Unknown Unknown	○ N/A
2.1.2 2.1.3 2.1.4 STE	Inventory stormw  Is the capacity 100-year storm  Will the systen Inventory heat-is  Have you insta  Do you have h  Have you insta Inventory plant m  Are existing treems and pes  Are they droug  In coastal area  Based on answelandscape	rater management infrastructure of existing stormwater management syst in events today? In be adequate in 2030/2050/2080?? Iland contributors alled reflective white roofs on buildings to igh-albedo, light colored paving on parkin- laterial and landscape vulnerabilities less and plants resilient to climate change t/disease risks? In tolerant? Is, are they salt-tolerant to storm surge? In the above, rank the resilience of	em adequate for anticipated 50- or reduce heat island impacts? g areas and walkways? npacts? effects, both in general climate		<ul> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> </ul>	Somewhat Somewhat Somewhat Somewhat Somewhat Somewhat Somewhat	No No No No No No No No No	Unknown Unknown Unknown Unknown Unknown Unknown Unknown	○ N/A
2.1.2 2.1.3 2.1.4 STE Perfo	Inventory stormw  Is the capacity 100-year storm  Will the system Inventory heat-is  Have you insta  Do you have h  Have you insta Inventory plant m  Are existing truerms and pes  Are they droug  In coastal area  Based on answellandscape  P 2: Transport	rater management infrastructure of existing stormwater management syst in events today? In be adequate in 2030/2050/2080?? Idand contributors alled reflective white roofs on buildings to high-albedo, light colored paving on parkin- halterial and landscape vulnerabilities heres and plants resilient to climate change halt tolerant?  has, are they salt-tolerant to storm surge? heres to the above, rank the resilience of hatton and Site Access hatton and Site Access hatton campus or site	em adequate for anticipated 50- or reduce heat island impacts? g areas and walkways? npacts? effects, both in general climate	3 (Exemplar	<ul> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> </ul>	Somewhat Somewhat Somewhat Somewhat Somewhat Somewhat Somewhat	No N	Unknown Unknown Unknown Unknown Unknown Unknown Unknown	○ N/A
2.1.2 2.1.3 2.1.4 STE	Inventory stormw  Is the capacity 100-year storm  Will the system Inventory heat-is  Have you insta  Do you have h  Have you insta Inventory plant m  Are existing tre terms and pes  Are they droug  In coastal area  Based on answellandscape  P 2: Transport  Transport  Transport	rater management infrastructure of existing stormwater management syst in events today? In be adequate in 2030/2050/2080?? Idand contributors Idled reflective white roofs on buildings to igh-albedo, light colored paving on parking Idled green roofs to mitigate heat-island in itaterial and landscape vulnerabilities these and plants resilient to climate change thydisease risks? Ight tolerant? Is, are they salt-tolerant to storm surge? It is a the above, rank the resilience of itation and Site Access itation and Site Access itation and site access resilience.	em adequate for anticipated 50- or reduce heat island impacts? g areas and walkways? npacts? effects, both in general climate	3 (Exemplar	<ul> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> </ul>	Somewhat Somewhat Somewhat Somewhat Somewhat Somewhat Functional	No No No No No No No No Ro Rank	Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown	<ul> <li>N/A</li> <li>N/A</li> <li>N/A</li> <li>N/A</li> <li>N/A</li> <li>N/A</li> <li>N/A</li> </ul>
2.1.2 2.1.3 2.1.4 STE Perfo	Inventory stormw  Is the capacity 100-year storm  Will the system Inventory heat-is  Have you insta  Do you have h  Have you insta Inventory plant m  Are existing treems and pes  Are they droug  In coastal area  Based on answellandscape  P 2: Transport	rater management infrastructure of existing stormwater management syst in events today? In be adequate in 2030/2050/2080?? Idand contributors alled reflective white roofs on buildings to high-albedo, light colored paving on parkin- halterial and landscape vulnerabilities heres and plants resilient to climate change halt tolerant?  has, are they salt-tolerant to storm surge? heres to the above, rank the resilience of hatton and Site Access hatton and Site Access hatton campus or site	em adequate for anticipated 50- or reduce heat island impacts? g areas and walkways? npacts? effects, both in general climate of land use, siting and	3 (Exemplar	<ul> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> </ul>	Somewhat Somewhat Somewhat Somewhat Somewhat Somewhat Somewhat	No N	Unknown Unknown Unknown Unknown Unknown Unknown Unknown	○ N/A

Yes	s = Action completed Somewhat = Action in progress or incompleted		e No = No action planned or taken	Unknown = Sta	iown	○ N/A = Does not apply		
		eyed existing landscape elements to ensur access routes to the facility?	e that if damaged they will not	Yes	Somewhat	○No	Unknown	○ N/A
2.2.2	Inventory paveme	ent design and materials						
	<ul> <li>Are pavements solar radiation</li> </ul>	s designed to withstand extreme temperatu?	ıres, freezing and thawing, or	Yes	Somewhat	○ No	Unknown	○ N/A
2.2.3		rtation options for each site						
	<ul><li>Is the building subway?</li></ul>	or campus served by public transportation	systems, such as light rail or	Yes	Somewhat	○ No	Unknown	○ N/A
	If so, have located the l	al public transportation systems undertaker	ı climate resilience efforts?	Yes	Somewhat	○ No	OUnknown	○ N/A
	<ul> <li>Is public trans extreme weath</li> </ul>	portation likely to remain operational during ner event?	g or immediately following an	Yes	Somewhat	○ No	OUnknown	○ N/A
	<ul> <li>Do you have a</li> </ul>	contingency plan for personnel transportat	ion?	Yes	Somewhat	○ No	OUnknown	○ N/A
	If the building or campus is automobile and/or bus dependent, have you surveyed transportation vulnerabilities associated with weather extremes?			Yes	Somewhat	○ No	Unknown	○ N/A
	Is there a helip	ad?		Yes	Somewhat	○ No	Unknown	○ N/A
		uated the location of the helipad against ex grade flooding or rooftop vulnerability to damag		Yes	Somewhat	○ No	Unknown	○ N/A
2.2.4	Inventory evacua	tion routes and their vulnerabilities						
	Have you deve event?	loped contingency plans for evacuation du	ring or following an extreme	○Yes	Somewhat	○ No	Unknown	○ N/A
	Are evacuation	routes vulnerable to falling trees, utilities	(fallen wires or poles)?	Yes	Somewhat	○No	Unknown	○ N/A
	Are evacuation	routes above flood elevation?		Yes	Somewhat	○ No	Unknown	○ N/A
2.2.5	Based on answer	s to the above, rank the resilience of trar	sportation and site access.	3 (Exemplary) 2	? (Functional)	1 (Margina	) 0 (None)	○ N/A
STE	D 21 Critical P	uilding Inventory		Value		Rank		
			v oito	value		nalik		
		ach critical building on the campus o y of buildings vulnerable to each risk.	r site					
2.3.1	•	ped building locations relative to hazard ma	anc?	○ Vo.	Communitati	O N I a	Unknown	○ N/A
		piled building envelope and performance vi		Yes	Somewhat	○ No	Unknown	∪ N/A
	building?	plied building envelope and performance vi	JIIIGIADIIILIGS IDI GAGII GIILIGAI		0	$\sim$		
				Yes	Somewhat	○ No	Unknown	○ N/A
	(wind speeds, ra	ewed building code design baselines again ainfall volumes, etc.) for each critical building	?	Yes			Unknown	○ N/A
	(wind speeds, ra	ninfall volumes, etc.) for each critical building rporated expected climate change data ove	?		Somewhat	○ No	Unknown	○ N/A
2.3.2	<ul><li>(wind speeds, ra</li><li>Have you incoassessments?</li></ul>	ninfall volumes, etc.) for each critical building rporated expected climate change data ove	? er time into building vulnerability	Yes	Somewhat	○ No	Unknown	○ N/A
2.3.2	<ul><li>(wind speeds, ra</li><li>Have you inco assessments?</li></ul> Assess potential	ninfall volumes, etc.) for each critical building rporated expected climate change data over	? er time into building vulnerability	Yes	Somewhat Somewhat	○ No	Unknown	○ N/A
2.3.2	<ul> <li>(wind speeds, rate)</li> <li>Have you inco assessments?</li> <li>Assess potential</li> <li>Have you preport</li> </ul>	ninfall volumes, etc.) for each critical building reporated expected climate change data over injuries and property loss associated with ared a building asset inventory?  bilities are identified, have you used HAZUS	? er time into building vulnerability n hazards	○ Yes	Somewhat Somewhat	○ No ○ No	○ Unknown	○ N/A ○ N/A
2.3.2	(wind speeds, ra	ninfall volumes, etc.) for each critical building reporated expected climate change data over injuries and property loss associated with ared a building asset inventory?  bilities are identified, have you used HAZUS	? er time into building vulnerability n hazards S or FEMA 386 to calculate	Yes	Somewhat Somewhat	○ No ○ No	Unknown Unknown	○ N/A
	(wind speeds, ra	infall volumes, etc.) for each critical building reporated expected climate change data over injuries and property loss associated with ared a building asset inventory? bilities are identified, have you used HAZUS s? ist for each building that summarizes ma	? er time into building vulnerability in hazards S or FEMA 386 to calculate ajor principles that should be	Yes	Somewhat Somewhat Somewhat	○ No ○ No	Unknown Unknown	○ N/A ○ N/A ○ N/A
	(wind speeds, ra	infall volumes, etc.) for each critical building reporated expected climate change data over injuries and property loss associated with ared a building asset inventory? bilities are identified, have you used HAZUS s? ist for each building that summarizes may developing policies or capital projects ewed local or regional resources on improvious "Green Building and Climate Resilience"	? er time into building vulnerability in hazards S or FEMA 386 to calculate ajor principles that should be ing building resilience?	Yes Yes Yes	Somewhat Somewhat Somewhat Somewhat	○ No ○ No ○ No ○ No	Unknown Unknown Unknown Unknown	○ N/A ○ N/A ○ N/A ○ N/A ○ N/A
	(wind speeds, ra	infall volumes, etc.) for each critical building reporated expected climate change data over injuries and property loss associated with ared a building asset inventory? bilities are identified, have you used HAZUS s? ist for each building that summarizes may developing policies or capital projects ewed local or regional resources on improvious "Green Building and Climate Resilience"	? er time into building vulnerability in hazards S or FEMA 386 to calculate ajor principles that should be ing building resilience? If or regional strategies.	Yes Yes Yes	Somewhat Somewhat Somewhat Somewhat Somewhat	No No No No No	Unknown Unknown Unknown Unknown	○ N/A ○ N/A
	(wind speeds, ra	infall volumes, etc.) for each critical building reporated expected climate change data over injuries and property loss associated with ared a building asset inventory? bilities are identified, have you used HAZUS s? ist for each building that summarizes may developing policies or capital projects ewed local or regional resources on improving the summarizes of the control of the	? er time into building vulnerability in hazards S or FEMA 386 to calculate ajor principles that should be sing building resilience? If for regional strategies. See Resources.	Yes Yes Yes Yes Yes	Somewhat Somewhat Somewhat Somewhat Somewhat Somewhat Somewhat	No No No No No No	Unknown Unknown Unknown Unknown Unknown Unknown Unknown	○ N/A ○ N/A ○ N/A ○ N/A ○ N/A
	<ul> <li>(wind speeds, ra</li> <li>Have you inco assessments?</li> <li>Assess potential</li> <li>Have you prep</li> <li>Where vulnera potential losse</li> <li>Develop a checkl considered when</li> <li>Have you revie</li> <li>Review USGBO See Resources</li> <li>For Hospitals,</li> <li>For Residentia P-361 for Safe</li> </ul>	ninfall volumes, etc.) for each critical building reporated expected climate change data over injuries and property loss associated with ared a building asset inventory?  bilities are identified, have you used HAZUS s?  ist for each building that summarizes madeveloping policies or capital projects ewed local or regional resources on improving "Green Building and Climate Resilience".  Treview FEMA-577 for flood and high wind.  Il Healthcare Facilities, review FEMA-577 are	er time into building vulnerability In hazards S or FEMA 386 to calculate Injor principles that should be Injor building resilience? If for regional strategies.  See Resources. Ind	Yes  Yes  Yes  Yes  Yes  Yes  Yes	Somewhat Somewhat Somewhat Somewhat Somewhat Somewhat Somewhat Somewhat	No No No No No No No No	Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown	○ N/A
	<ul> <li>(wind speeds, ra</li> <li>Have you inco assessments?</li> <li>Assess potential</li> <li>Have you prep</li> <li>Where vulnera potential losse</li> <li>Develop a checkl considered when</li> <li>Have you revie</li> <li>Review USGBO See Resources</li> <li>For Hospitals,</li> <li>For Residentia P-361 for Safe</li> <li>For ambulator</li> </ul>	infall volumes, etc.) for each critical building reporated expected climate change data over injuries and property loss associated with ared a building asset inventory? bilities are identified, have you used HAZUS s? ist for each building that summarizes madeveloping policies or capital projects ewed local or regional resources on improving "Green Building and Climate Resilience" are review FEMA-577 for flood and high wind. It Healthcare Facilities, review FEMA-577 are Rooms. See Resources.  If a facilities, review FORTIFIED®. See Resources and a fithe buildings on your camp	er time into building vulnerability in hazards S or FEMA 386 to calculate ajor principles that should be ing building resilience? If for regional strategies.  See Resources. Ind It is and Step 4.	Yes  Yes  Yes  Yes  Yes  Yes  Yes  Yes	Somewhat Somewhat Somewhat Somewhat Somewhat Somewhat Somewhat	No	Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown	○ N/A
2.3.3	(wind speeds, ra	infall volumes, etc.) for each critical building reporated expected climate change data over injuries and property loss associated with ared a building asset inventory? bilities are identified, have you used HAZUS s? ist for each building that summarizes madeveloping policies or capital projects ewed local or regional resources on improving "Green Building and Climate Resilience" are review FEMA-577 for flood and high wind. It Healthcare Facilities, review FEMA-577 are Rooms. See Resources.  If a facilities, review FORTIFIED®. See Resources and a fithe buildings on your camp	er time into building vulnerability In hazards S or FEMA 386 to calculate Injor principles that should be Injor principles tha	Yes  Yes  Yes  Yes  Yes  Yes  Yes  Yes	Somewhat Somewhat Somewhat Somewhat Somewhat Somewhat Somewhat Somewhat Somewhat	No	Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown	○ N/A
2.3.3	<ul> <li>(wind speeds, ra</li> <li>Have you inco assessments?</li> <li>Assess potential</li> <li>Have you prep</li> <li>Where vulnera potential losse</li> <li>Develop a checkl considered when</li> <li>Have you revie</li> <li>Review USGBC See Resources</li> <li>For Hospitals,</li> <li>For Residentia P-361 for Safe</li> <li>For ambulator</li> <li>In flood regions, uspecific regulatio</li> <li>NFIP or FEMA</li> </ul>	rinfall volumes, etc.) for each critical building reporated expected climate change data over injuries and property loss associated with ared a building asset inventory?  bilities are identified, have you used HAZUS s?  ist for each building that summarizes madeveloping policies or capital projects ewed local or regional resources on improving "Green Building and Climate Resilience" are review FEMA-577 for flood and high wind. It Healthcare Facilities, review FEMA-577 are Rooms. See Resources.  If a facilities, review FORTIFIED®. See Resources and review FEMA-577 are review FEMA-577 are review for the buildings on your campins:	er time into building vulnerability In hazards S or FEMA 386 to calculate Injor principles that should be Injor principles tha	Yes           Yes           Yes           Yes           Yes           Yes           Yes           Yes           Yes           Yes	Somewhat	<ul> <li>No</li> </ul>	Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown	○ N/A

◯ Yes	= Action completed	en OUnknow	vn = Stat	tus or action unkn	own	○ N/A = Does	not apply
2.3.5	Based on answers to the above, rank the state of critical building inventories	3 (Exemplar	/) 🔾 2	(Functional)	I (Margina)	l) 0 (None)	○ N/A
STE	P 4: Building Construction and Vertical Transportation	Value			Rank		
Perfo	orm Step 4 for each critical building on the campus or site						
2.4.1	Inventory Building Envelope design parameters for each critical building						
	What is the date of construction/occupancy?			OUn	known (	○ N/A	
	What are the deisgn wind loads for envelope?			OUn	known (	○ N/A	
	What are the design wind loads for windows?			OUn	known (	○ N/A	
	What are the design wind loads forroofs?			OUn	known (	○ N/A	
	What are the design snow loads for roofs?			◯ Un	known (	○ N/A	
	What are the design peak rainfall parameters for roof drainage systems?			○ Un	known (	○ N/A	
	In high wind areas, are there places of refuge designed as part of the structure?			OUn	known (	○ N/A	
	Have building insulation and windows been updated to comply with contemporary energy codes?			OUn	known (	○ N/A	
2.4.2	Create places of refuge by hardening envelope and building shell						
	<ul> <li>Have buildings taller than 60 feet or having long span roofs (more than 150') been peer reviewed for structural design for increased extremes?</li> </ul>		Yes	Somewhat	○ No	Unknown	○ N/A
	Have rooftop structures and equipment (and their attachments) been reviewed for anticipated wind speeds?		Yes	Somewhat	○ No	Unknown	○ N/A
	<ul> <li>Have rooftop structures and equipment (and their attachments) been reviewed for extreme precipitation and/or hail vulnerabilities?</li> </ul>		Yes	Somewhat	○ No	Unknown	○ N/A
	Are skylights uplift resistant and impact resistant?		Yes	Somewhat	○ No	OUnknown	○ N/A
	Do exterior wall systems meet the requirements for wind and water resistance?		Yes	Somewhat	○ No	OUnknown	○ N/A
	• In high wind areas, have you installed impact resistant glazing or opening protectives?		Yes	Somewhat	○No	OUnknown	O N/A
2.4.3	Review vertical transportation system vulnerabilities						
	Are machine rooms resistant to flooding or high wind/rooftop damage?		Yes	Somewhat	○ No	Unknown	○ N/A
	Are vertical transportation systems dispersed to allow for partial use if some infrastructure is damaged or disabled?		Yes	Somewhat	○ No	Unknown	○ N/A
	<ul> <li>In flood zones, is a portion of the elevators constructed to remain operational during and following flood events?</li> </ul>		Yes	Somewhat	○ No	OUnknown	○ N/A
2.4.4	Review interior construction for hazard vulnerabilities						
	• Is interior construction water-resistant below 500-year flood elevations?		Yes	Somewhat	○No	OUnknown	○ N/A
	• Is stairwell construction fortified against high-wind events?		Yes	Somewhat	○ No	OUnknown	○ N/A
	Is there a designated high wind "safe area"?		Yes	Somewhat	○ No	OUnknown	○ N/A
2.4.5	Based on answers to the above, rank the overall status of critical building construction and vertical transportation systems for each campus?	3 (Exemplar	/) 02	(Functional)	l (Margina)	) 0 (None)	○ N/A
STE	P 5: Passive Survivability Inventory	Value			Rank		
	orm Step 5 for each critical building on the campus or site						
	erstand how buildings will perform if mechanical/electrical systems are disabled for vability for the applicable conditions below:	or an extende	ed peri	iod of time.	Assess	overall pas	sive
2.5.1	In extreme heat:						
	Are windows operable to provide for ventilation air and to maintain habitable conditions?		Yes	Somewhat	○ No	Unknown	○ N/A
	Are there exterior shading devices, trees or other architectural features that mitigate solar gain?		Yes	Somewhat	○No	OUnknown	○ N/A
	Have you assessed the length of time people can remain in place before overheating requires evacuation?		Yes	Somewhat	○No	Unknown	○ N/A
2.5.2	In extreme cold:						
	<ul> <li>Do building orientation, glazing and/or shading devices provide for supplemental daytime solar gain?</li> </ul>		Yes	Somewhat	○No	Unknown	○ N/A
	Is the building well-insulated, with high efficiency glazing systems?		Yes	Somewhat	○No	Unknown	○ N/A
	Does the building have significant thermal mass to reduce heat loss?		Yes	Somewhat	○ No	Unknown	○ N/A
	Are there any sources of supplemental building heat?		○ Voc	Somewhat	○ No	Unknown	O N/A

Yes	= Action completed	Somewhat = Action in progress or incomplete	○ No = No action planned or taken	Unknov	vn = Statı	us or action unkn	own	○ N/A = Does	not apply
	Have you assessed the length of time people can remain in place before extreme cold requires evacuation?					Somewhat	○No	Unknown	○ N/A
SUMMARY				Value			Rank		
Base	d on your respo	nses above, develop a list of action iter	ns to address Land Use, Bui	ilding Desig	n and I	Regulatory I	ssues i	dentified.	
2.6.1	Have you determ campus?	nined key resilience improvement strategies	for each building and		Yes	Somewhat	○ No	Unknown	○ N/A
2.6.2		ed priority strategies for this Element across Refer to the Getting Started section of the Clima			<u> </u>	Somewhat		O 22 2	_