B. Exposure Screening Tool

Use the Exposure Screening Tool to identify and assess climate change-related hazards and risks. A capital project's exposure can be determined based on preliminary project information available at the earliest stages of project planning and/or design. Results from the screening tool can inform if to include the Guidelines in the project scope.

Exposure Screening Tool

	Risk Screening Question	Directions	Answers and Score	Total Score and Next Steps
Heat	Does the facility include new construction of, or substantial improvements to, the landscape, hardscape, roof, HVAC, building envelope, ventilation system, or façade?	All parts of NYC are exposed to extreme heat. New construction projects or substantial improvements that include changes to the landscape, hardscape, roof, HVAC, building envelope, ventilation system, or façade could affect the material performance of a project, thermal comfort of occupants, and/or increase ambient temperatures. If the project includes any of those components, answer 'yes.'	Yes = 1	
	Is the facility in community district with high heat vulnerability?	Identify the community district your facility is located in. Locate that community district on the Heat Vulnerability Index map located in Section II.A of the Guidelines and note the area's vulnerability. Select the corresponding answer.	*Heat Vulnerability Score* Low/mod =2	
	How many annual heat waves are projected to occur during the facility's useful life?	See Section II.A of the Guidelines and note the annual heat wave projection according to the useful life of the facility. Select the corresponding answer.	*# of heat waves* 7 days = 3	
Precipitation	Does the facility require a new DEP site connection proposal, or a modification to the existing site connection plan?	The intensity and frequency of precipitation events are projected to increase across all parts of NYC, creating new challenges for stormwater management and impacts to the built environment. New construction projects provide opportunities to accommodate increased precipitation flow volumes, and typically require submitting a new site drainage connection proposal to DEP for review and approval. If a project is a substantial improvement, the scope of work of the substantial improvement would dictate if the previously approved DEP site connection plan will require modifications. If a new site connection proposal or modifications are required, answer 'yes.'	Yes = 1	
	Does the site have a history of flooding during precipitation events?	Consult institutional knowledge (for example, if this site flooded during Hurricane Irene) and 311 service requests for flooding at or near this site (see hyperlink below) and select "yes" if there is a history of flooding at the site. https://data.cityofnewyork.us/Social-Services/Street-Flooding/wymi-u6i8	No = 0	
	Will there be a net increase in impervious area on the site as a result of the project?	Refer to preliminary site plans (if they are part of the project scope) or consult with Capital Project Initiation team. Choose 'yes' if a net increase in impervious area is anticipated.	Yes = 1	

Total Score	Exposure Rating
2-5	Low
6-8	Medium
9-10	High

If project budget is less than $50 million:
...and scores "**Medium**" or "**High**" **consult Section II.A in the Guidelines.**
...and scores "**Low**" using the Guidelines is not required.

If project budget is more than $50 million:
...and scores "**Medium**" or "**High**" **complete a detailed Risk Assessment (see Section III) and then consult Section II.A in the Guidelines.**
...and scores "**Low**" using the Guidelines is not required.

Score

Total Score	Exposure Rating
1	Low
2	Medium
3	High

If project budget is less than $50 million:
...and scores "**Medium**" or "**High**" **consult Section II.B in the Guidelines.**
...and scores "**Low**" using the Guidelines is not required.

If project budget is more than $50 million:
...and scores "**Medium**" or "**High**" **complete a detailed Risk Assessment (see Section III) and then consult Section II.B in the Guidelines.**
...and scores "**Low**" using the Guidelines is not required.

Score

Sea level rise

Exposure Screening Tool

Risk Screening Question	Directions	Answers and Score	Total Score and Next Steps
Current Flood Risk Is the facility in the current 1% annual chance floodplain (100-year)?	Visit NYC Flood Hazard Mapper.* Click on the Map Legend and select the 'Preliminary Flood Insurance Rate Maps 2015'. Search for or navigate to the site to see if it is located within the current effective floodplain. If the site is shown to be all or partly in the current floodplain, answer 'yes.' http://www.nyc.gov/floodhazardmapper	No = 0	
Future Flood Risk Is the facility in the future 1% annual chance floodplain (100-year) at any point during its useful life?	Visit NYC Flood Hazard Mapper.* Click on the Map Legend and select the 'Future Floodplain' that corresponds to the project useful life. Search for or navigate to the property to see if it is located within the future floodplain. If the site is shown to be all or partly in the future floodplain, answer 'yes.' http://www.nyc.gov/floodhazardmapper	Yes = 1	
Current Tidal Inundation Does this site have a history of flooding from high tide events?	Potential sources to answer this question include institutional knowledge (for example, if this site floods during regular high tides) or history of 311 service requests (see hyperlink below). If the site is shown to have a history of tidal flooding, answer 'yes.' https://data.cityofnewyork.us/Social-Services/Street-Flooding/wymi-u6i8	No = 0	
Future Tidal Inundation Are there any critical access roads to the site that will be inundated by future high tides?	Visit the NYC Flood Hazard Mapper.* Click on the Map Legend and select the "High Tide" scenario that corresponds to the project useful life. Identify if any primary access roads are inundated from high tide plus sea level rise. If the site is shown to have roads at risk of tidal inundation, answer 'yes.' http://www.nyc.gov/floodhazardmapper	Yes = 1	Score

Total Score	Exposure Rating
0	Not Exposed
1	Low
2	Medium
>3	High

If project budget is less than $50 million:
...and scores "**Medium**" or "**High**" **consult Section II.C in the Guidelines.**
...and scores "**Low**" using the Guidelines is not required.

If project budget is more than $50 million:
...and scores "**Medium**" or "**High**" **complete a detailed Risk Assessment (see Section III) and then consult Section II.C in the Guidelines.**
...and scores "**Low**" using the Guidelines is not required.

**For more information on how to use the Flood Hazard Mapper, see Section II.C*