Form L: Resiliency and Sustainability Checklist and Narrative

Proposed projects should support HPD and NYC’s low carbon, climate resilient, healthy and equitable design goals. Our goal is to support projects that take a holistic, integrated approach that addresses the Project’s unique risks and opportunities and the population’s unique needs. Note that all HPD projects are required, at minimum, to meet resiliency and sustainability requirements established in **HPD’s New Construction Design Guidelines.**

HPD’s Design Guidelines reference standards in the **NYC Climate Resiliency Design Guidelines (CRDG)** and meet specific sustainability targets in the 2020 NYC Overlay of Enterprise Green Communities or with LEED v4.1 Gold or above. These resources offer further instruction on resilient and sustainable design that surpasses what’s required in the building code.

Attention will be paid to how well Proposals integrate cost-efficient resiliency and sustainability strategies. Resiliency strategies should also consider current and future climate risks across the Site, building structure and building systems, using HPD’s New Construction Design Guidelines and NYC’s Climate Resiliency Design Guidelines to plan for the full useful life of the Project.

**1. PROJECT NARRATIVE**

In 500 words or less, please describe how the Project has been designed holistically to meet and/or exceed HPD’s resiliency and sustainability goals.

*[Type your answer here.]*

**RESILIENCY (questions 2-3)**

**2. Climate Exposure Threshold Criteria (see** [**Enterprise Green Communities Criteria**](https://www1.nyc.gov/site/hpd/services-and-information/enterprise-green-communities-criteria-egcc.page)**)**

The Climate Resiliency Threshold criteria below are minimum resiliency criteria required to advance a Project to competitive evaluation. Use the Climate Risk Exposure Screening Tool included in CRDG V4.1 to determine the level of risk for each climate hazard (Low/Medium/High) and attach a copy to this form.

1. Heat Risk

Low [ ] Medium [ ] High [ ]

1. Precipitation Risk

Low [ ] Medium [ ] High [ ]

1. Sea Level Rise Risk

Low [ ] Medium [ ] High [ ]

1. Does this Project satisfy all baseline resiliency requirements within HPD’s New Construction Design Guidelines?

Yes [ ] No [ ]

1. All flood-prone projects must meet 2080s future projected climate risk design standards. If flood-prone, does this Project meet 2080s future projected climate risk design standards where required in HPD’s New Construction Design Guidelines?

Yes [ ] No [ ]

**3. Climate Risk Mitigation Strategies**

For each of the sections below, describe key design and operational strategies the Project is incorporating to address applicable near- and long-term climate risks and note where in the Project’s documents further details can be found.

In addition to describing how **baseline requirements** are met, Respondents should also reference specific **reach** strategies outlined in the HPD’s New Construction Design Guidelines and reference the [NYC Climate Resiliency Design Guidelines](https://climate.cityofnewyork.us/initiatives/climate-resiliency-design-guidelines/) Version 4.1 for further best practice design guidance.

1. **Heat (if Medium or High-Risk Exposure)**

Describe the design and operational strategies integrated into this Project included to address the current and future site-specific **Heat** risk. Note measures taken to reduce cooling loads using passive measures (and efficiency), design a heat resilient facility as defined by CRDG, mitigate heat island effect, and ensure occupant thermal safety.

*[Type your answer here.]*

1. **Precipitation (if Medium or High)**

Describe the design strategies integrated into this Project to address the current and future site-specific **Precipitation** risk. Note how the Project is designed for enhanced stormwater management, life safety, and mitigation of stormwater flood damage to buildings.  
(Note that only sites scoring Medium or High Precipitation Risk that are also adjacent to an Extreme Stormwater Flood with 2080s Sea Level Rise Area on the [NYC Stormwater Flood Map](https://experience.arcgis.com/experience/6f4cc60710dc433585790cd2b4b5dd0e) are required to complete this question.)

*[Type your answer here.]*

1. **Sea Level Rise (if Medium or High)**

Describe the design and operational strategies integrated into this Project to address the current and future site-specific **Sea Level Rise** risk from tidal inundation and/or coastal flooding. When applicable, note reach criteria taken to manage any risks associated with flooding from sea level rise.

*[Type your answer here.]*

**SUSTAINABILITY (questions 4-10)**

**4. Core Performance Standards**

All HPD projects must certify with LEED Gold (or above) or Enterprise Green Communities; but projects are strongly encouraged to meet the “reach” standards in HPD’s Design Guidelines. Please note which certification(s) the Project will pursue. (EGC Plus, PHIUS, and/or PHI are not required but are reach criteria):

*[Type your answer here.]*

**5. Electrification**

1. Projects are required to be designed as all electric, meeting LL97 2050 GHG limits (with the exception of generators). In the table below, list the equipment being proposed for the Project. Note that projects are strongly encouraged to meet HPD’s “reach” criteria for equipment efficiency and are required to comply with HPD’s Electric Heating Policy.

|  |  |  |
| --- | --- | --- |
|  | System / Equipment Description (include efficiency where applicable) | Who Pays (Owner or Resident) |
| Heating |  |  |
| Cooling |  |  |
| Hot Water |  |  |
| Ventilation |  |  |
| Cooking |  |  |
| Dryers |  |  |
| Washers |  |  |

1. Use the space below to provide additional information about how the Project will meet HPD’s goals for beneficial electrification, and/or if the Project is seeking waivers for any related criteria.

*[Type your answer here.]*

**6. Energy Efficiency & Envelope**

Describe how the building envelope is designed to reduce overall energy use, including heating and cooling. Include how the team will incorporate passive strategies and how forward-looking climate data will be incorporated into the design. Note which reach criteria are being included.

*[Type your answer here.]*

**7. Solar**

Describe how the roof space will be used in accordance with HPD’s Solar Where Feasible Mandate. Please state whether the Project will provide Community Solar and/or battery storage as recommended in HPD’s New Construction Design Guidelines section 4.2 (reach). Projects are strongly encouraged to consider roof spaces that provide multiple benefits; include how the team will maximize roof space. If Project is incorporating a green roof in lieu of or in addition to solar, describe.

*[Type your answer here.]*

**8. Health and Wellness**

Describe how the Project will use HPD’s New Construction Design Guidelines section 5.1 when selecting materials for this Project. How will the Project team reduce and assess embodied carbon? Include specific reach criteria where applicable.

*[Type your answer here.]*

**9. Innovation**

Describe innovative steps that will be taken to improve resiliency, sustainability, and health/equity of the Project. Please note whether the innovations are factored into the budget or whether they would require additional sources of funding or research:

*[Type your answer here.]*

**10. Budget and Underwriting**

Describe how project team will take steps to offset costs by answering the questions below.

1. Will sustainability features require higher construction costs than “Business as Usual”?

*[Type your answer here.]*

1. Anticipated incremental percentage increase in costs from part A:

*[Type your answer here.]*

1. Which features are the drivers of additional cost, if any?

*[Type your answer here.]*

1. List all federal, state & local incentives related to resiliency and sustainability the Project will seek:

*[Type your answer here.]*

1. Please describe how the project will be designed to reduce energy costs and note the expected energy cost savings (including solar). Note whether the project will agree to underwrite a reasonable % of the energy savings.

*[Type your answer here.]*

1. Use the space below to describe how the design addresses both first cost and operational cost impacts, while addressing short- and long-term climate risks and non-financial benefits for the residents and the community.

*[Type your answer here.]*