

Buildings of Excellence Design Competition

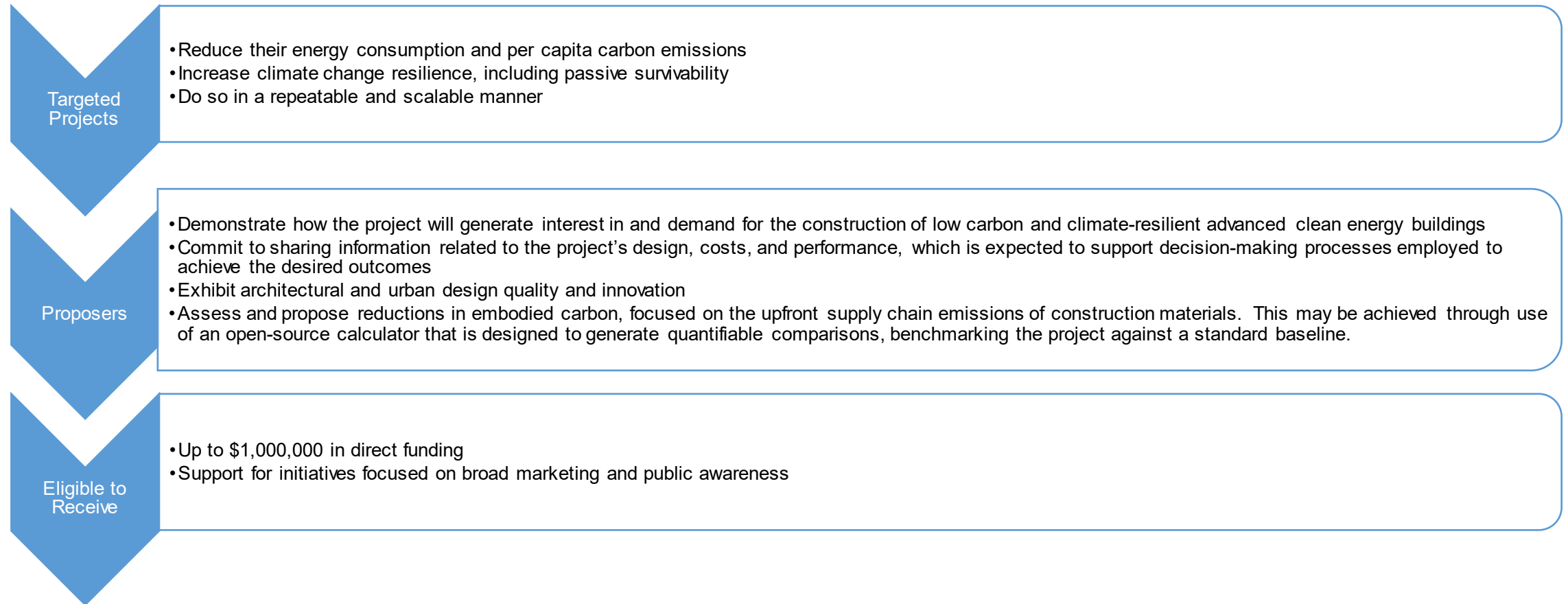


Overview

- Buildings of Excellence Competition
- Energy Affordability and Equity
- Data Collection and Strategies
- Aggregated and Project Specific Analysis
- Observations

Buildings of Excellence Competition

The Buildings of Excellence Competition aims to accelerate the design, development, construction, and operation of very low or zero carbon emitting buildings that are capable of withstanding increased risks and impacts from future climate change.



Supporting Energy Affordability and Equity

Additional consideration given to projects that achieve energy affordability, equity, and serve Disadvantaged Communities

- Buildings of Excellence – bonus points are offered for the following attributes:
 - Low to Moderate Income (LMI) eligible projects
 - Located in a Clean Energy Community
 - Located in a NYS DEC potential environmental justice area
 - Located in a jurisdiction that has committed to adopting NY Stretch Energy Code 2019
 - Gut rehabilitation projects
- New Construction Low to Moderate Income (LMI) definition
 - The **majority** of a project's households having an income of no more than 80 percent of the State or Area Median Income (whichever is greater)

Performance Validation

NYSERDA has committed to completing comprehensive performance validation of projects awarded through the Buildings of Excellence Design Competition

- All projects are required to provide 2 years of benchmarking data
- Performance validation is being completed for Buildings of Excellence Projects as they reach project completion
- Channel partners will work with NYSERDA to share market and performance data widely and perform additional analysis of results

Published Cost Data and Case Studies

- [Project cost data estimates for Buildings of Excellence projects](#) have been published and will be updated on a monthly basis.
- Monthly updates will reflect increased accuracy as project status evolves from early design through project completion.
- Case Studies are under development and will be published for Buildings of Excellence Projects as they reach project completion.

Performance Validation/Cost Analysis Work is Not Complete – We Recognize That

- Further clarification/definition of building design attributes and systems
- Demand control and load flexibility (DER, battery, thermal storage) to grid condition
- Direct comparison of verified to predicted operational costs
- Validation of health and productivity benefits of carbon neutral buildings

Awarded Projects Overview

Buildings of Excellence Round 1 Projects

- 28 Projects Awarded
- 68% LMI
- 2704 Dwelling Units
- Average cost/sq.ft. \$372
- All Electric Space Conditioning
- 15 Projects Fully Electrified

Buildings of Excellence Round 2 Projects

- 14 Projects Awarded
- 78% LMI
- 1569 Dwelling Units
- Average cost/sq.ft. \$360
- All Electric Space Conditioning
- All Projects Fully Electrified

See [NYSERDA Buildings of Excellence Competition microsite](#) for additional analysis, presentations, and recordings