BUILDING HUDSON YARDS

ENGINEERED CITY

Hudson Yards is far more than a collection of towers and open spaces. It is a model for the 21st-century urban experience; an unprecedented integration of buildings, streets, parks, utilities and public spaces that forms a connected, responsive, clean, reliable and efficient neighborhood.

CONNECTED NEIGHBORHOOD

Communications are supported by a fiber loop, designed to optimize data speed and service continuity for rooftop communications, as well as mobile, cellular and two-way radio communications. This allows continuous access via wired and wireless broadband performance from any device at any on-site location. We're as good as future-proofed.

- Digital antennae service (DAS) for cellular and two-way radio
- Rooftop satellite
- Wireless responders
- Fiber Loop

RESPONSIVE NEIGHBORHOOD

Supported by an advanced technology platform, operations managers monitor and react to power demands and temperature changes in order to enhance the employee, resident and visitor experience.

- Building data-capture sensors (systems, equipment)
- Electrical and thermal sub-metering
- Advanced technology platform

CLEAN + RESPONSIBLE NEIGHBORHOOD

Additionally, nearly 10 million gallons of storm water will be collected each year from building roofs and public plazas, then filtered and reused in mechanical and irrigation systems to conserve potable water for drinking and reducing stress on New York's sewer system.

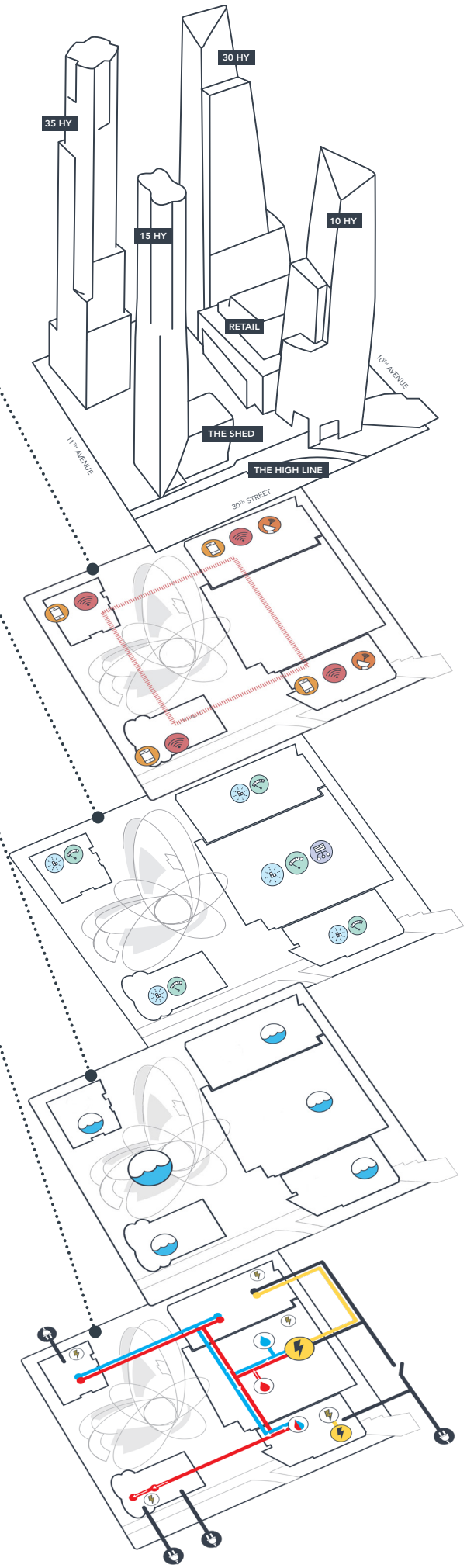
- Stormwater Tank

RELIABLE + EFFICIENT NEIGHBORHOOD

Whatever the potential disruption—super storm, brown out—Hudson Yards has the onsite power-generation capacity to keep basic building services, residences and restaurant refrigerators running. It doesn't hurt that being built above a rail yard means our first level is well above the flood plain.

Hudson Yards' first-of-its-kind microgrid and two cogeneration plants will save 24,000 MT of CO2e greenhouse gases from being emitted annually (that's equal to the emissions of ~2,200 American homes or 5,100 cars) by generating electricity and hot and chilled water for the neighborhood more than twice as efficiently as conventional sources.

- 14.5 megawatts of cogen
- 18 megawatts of Tier 4 diesel generators
- Con Ed Utility Grid
- Microgrid Breaker
- Hot/Chilled water plant
- Hot/Chilled water line



HudsonYardsNewYork.com