

## Description

The Western New York Z7+ NZE Commercial and Manufacturing Demonstration Project is a proposed 95,000+ sq. ft. flex manufacturing net-zero energy building powered by solar, geothermal and wind energy to produce as much energy as it consumes.

As the first certified zero-net energy manufacturing facility in New York, the project will be a state-of-the-art facility showcasing new advances in renewable energy construction, building performance testing, energy management and workforce training. The building design promotes cost-effective renewable energy sources, dispelling the myth that ZNE and LEED certifications are cost prohibitive.

# Zero Net Energy

Western New York

Commercial & Manufacturing Demonstration Project

## Project Benefit

- Establish Western New York as an innovator in clean energy manufacturing
- Accelerate investment in energy efficiency and clean energy by initiating a zeroenergy district
- Create high-wage jobs, including spin-off jobs that support the renewable energy industry
- Build a framework and pathway for design and construction of net-zero manufacturing facilities, encouraging replication
- Develop a clean energy technologies workforce, creating a niche for the region
- Foster innovation and entrepreneurship
- Attract national and international interest and support to help advance sustainable manufacturing worldwide
- Revitalize the former Bethlehem Steel site, transforming brownfields into a commercial net-zero energy campus
- Create economic development opportunities for the immediate surrounding neighborhoods, which are currently designated as distressed areas



## Location and Amenities

The Z7+ NZE is proposed for a 15-acre brownfield site on the former Bethlehem Steel campus known as the Bethlehem Steel Redevelopment Area (BSRA). Located in an economically distressed area in the City of Lackawanna, NY, the long-vacant brownfield site has critical rail facilities connecting national and international rail carriers and deep water ports that service worldwide cargo shipping vessels.



## Proposed Location

2303 Hamburg Turnpike  
Lackawanna, NY

## Current Project Status

Design Development

## Design Team

HGA Architects and Engineering  
Integral Group  
C&S Civil Engineers  
Watts Architecture and Engineering  
Seventh Wave  
Syracuse Engineers  
C&S Group

## Contractor [Design Development Phase]

Turner Construction

## Est. Cost of Construction

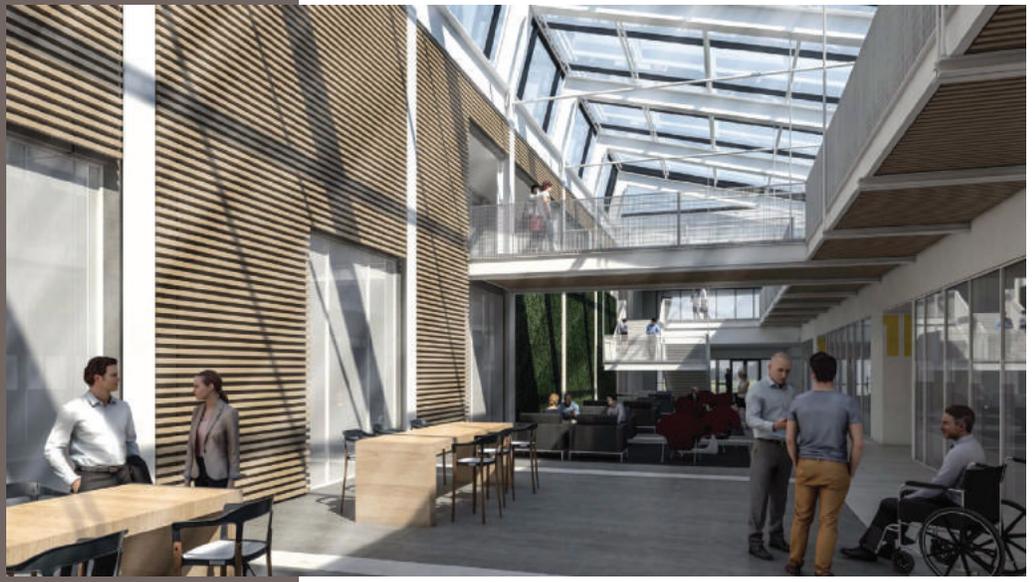
\$25 million - \$30 million

## Timeline

The project is expected to be completed in 2019.

Estimated timeline:

- Design development & construction documents underway
- Site Work
- Construction [15 months]



## Partners

The following partners provided federal, state, and regional support:



**University at Buffalo**  
*The State University of New York*

**nationalgrid**



**NEW YORK**  
STATE OF OPPORTUNITY.

**NYSERDA**



**U.S. DEPARTMENT OF ENERGY**



**Western New York Sustainable Business Roundtable**  
Creating an environmentally and economically resilient Buffalo-Niagara

[www.WNY SustainableBusiness.org](http://www.WNY SustainableBusiness.org)

For more information  
Contact: Phil Riggs Z7+ Project Manager -priggs@ecidany.com or (716) 362-8375  
Visit: <https://ecidaz7.wixsite.com/z7ecida>