



April, 2015



November, 2015

ABOUT

In November 2013, Governor Andrew Cuomo, announced an initiative from the Buffalo Billion for RiverBend, a public and private-sector partnership to convert the vacant parcel where the former Republic Steel and Hanner-Donner Steel manufacturing site was. The goal was to transform it into a state-of-the-art hub campus for high-tech and green energy manufacturing businesses

What began with two California-based clean energy companies, Sora and Silevo, as the anchor tenants transformed over the next months. Today, SolarCity, the nation's largest seller of residential solar-powered systems, is the anchor tenant for the giant plant in Buffalo, New York. The company, led by renowned entrepreneur Elon Musk, will make rooftop solar panels at a long-shuttered Republic Steel plant.

Construction of the solar plant is moving ahead quickly. "Once construction hits its peak, the workforce at the factory site will be six times bigger, topping 1,500 people", said Frank L. Ciminelli II, LPCiminelli Senior Executive Vice President when interviewed by CNBC.

This photovoltaic solar panel factory will be one of the largest in the world, and truly an example of brownfield to green manufacturing. RiverBend is strategically located in a "smart growth" urban commerce park and will serve as a building block of continued growth in advanced manufacturing.

FAST FACTS

- Over 14 million pounds of reinforcing steel will be used, which if laid end to end would stretch from Buffalo to Disney World
- Over 57,000 cubic yards of concrete; over 175,000 cubic yards of earth moved
- The building is equivalent in size to EIGHT Home Depot's
- Four football fields laid end to end would fit inside the building
- The building is approximately 40' tall
- The building is the largest building constructed in Western New York since the opening of the Top's Distribution Center in 1996
- The piles used for foundations total over 5,700 piles; the equivalent of this is 73 miles of piping 9 5/8" diameter piping
- There is 6,187 tons of structural steel
- The building area is 1,200,000 sq. ft. with a footprint of 23 acres
- The building will use 1936 gpm of water and 2285 gpm for sanitary
- The building will use 200,000 (ft³/hr.) of natural gas
- The building will use 40.4 MVA of diversified electrical load and 70.8 MVA of connected electrical load
- Make-Up Air Units: 70,000 lbs. & 60,000 cfm (cubic ft. per minute) flow rate
- Over 10,000 sprinkler heads throughout
- At peak site work over 5,000 gallons of diesel fuel was used per day for the off-road vehicles.
- Over 1,000 workers on-site first shift and 100 workers 2nd shift
- The building core and shell 100% complete
- Building interior fit out is 75% complete

