

103 Today

Quarterly News of IBEW Local 103

DECEMBER 2012

IBEW
LOCAL 103

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Photo of Boston Scientific solar roof in Quincy, MA – courtesy of Aldon Electric

FEATURED STORY

Aldon Electric and IBEW Local 103 Electrical Crew Install 1.28MW Solar (PV) System at Boston Scientific Distribution Center in Quincy

City of Quincy's largest and highest solar system

QUINCY, MA – Aldon Electric of Weymouth, Mass., working as a subcontractor to Lend Lease (US) Construction, Inc., has completed electrical installations for the 1.28MW roof-mounted photovoltaic (PV) system at Boston Scientific's distribution center located at Commander Shea Boulevard in Quincy, Massachusetts. Aldon's crew of 20 to 23 IBEW Local 103 journeymen and apprentice electricians provided installations for the PV system, which is comprised of 3,920 SunPower 327 Watt solar panels interconnected to three Satcon solar inverters. The ballasted mounting system required approximately 95 tons of ballast blocks – 12,000 in total – to help secure the system and meet the neces-

sary 140 MPH wind ratings. The solar panels cover about 140,000 square feet of the facility's roof. Over 10 miles of cable and three miles of conduit were installed to make this system operational.

Aldon Electric began construction in July and completed the project in October. The system was interconnected to the electrical grid in November.

According to Leonard Sarapas, Boston Scientific's corporate director of environmental health and safety, the solar array powers approximately 25 percent of the distribution center, from which the company ships its medical devices worldwide.

The solar electric system will enable Boston Scientific to guard against rising energy costs while reducing greenhouse gas emissions.

Aldon Electric principal Allen Mullaney said, "Aldon Electric is proud to have teamed with Lend Lease US Construction and SunPower in delivering this important renewable energy project for Boston Scientific and the City of Quincy. Thanks to our crew of skilled and dedicated Local 103 electricians, we were able to deliver quality solar power installations safely in meeting project requirements."