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Broadway Renewable Strategies Powering a Bright Future for Town of Leicester, MA – Solar Projects Complete at Three Leicester Schools and Police Department

Projects to Provide Economic, Environmental and Educational Benefits for the Town of Leicester



Leicester High School – 172.42 kW PV system



Leicester Primary School – 110.88 kW PV system



Leicester Memorial School – 90.72 kW PV system



Leicester Police Station – 22.40 kW PV system

LEICESTER, MA – Boston-based Broadway Electrical Company's renewable division, Broadway Renewable Strategies, has recently completed four (4) photovoltaic (PV) installations for the Town of Leicester, at Leicester High School, Primary School, Memorial School and the Police Station. On November 9, local officials, students, representatives from Broadway Renewable Strategies, and Worcester Polytechnic Institute (WPI) students and faculty attended a ribbon-cutting ceremony at Leicester High School. The four roof-mounted solar systems are projected to collectively save the Town of Leicester approximately \$34,000 annually.

Broadway Renewable Strategies provided engineering, procurement,

construction and financing of each of the four PV systems. The NECA contractor will also own and maintain the solar systems. Broadway provided equipment and services in a *Solar Power Purchase Agreement* with the Town of Leicester. The Town has no capital investment in the system. Broadway will furnish these town facilities with solar-generated electricity at a defined, significantly discounted per kWh rate, helping the Town reap the significant energy savings and protect the town's budget from future volatile energy prices.

Broadway supervised four field crews comprised of a total of 17 licensed IBEW electricians: one Project Executive and four Project Foremen based out of IBEW Local 103

and 12 licensed journeymen wiremen from IBEW Local 96 in Worcester. The projects commenced in May and were completed in early September. PV installations at Leicester High School, the largest of the four systems, include 616 – 280W Suntech solar panels mounted via a Reduced Spacing Panel Claw Mounting system, 2 Satcon inverters, a circuit combiner box, interconnection meter, a Satcon real-time data acquisition system and an Energy PV View System.

Town officials commended Broadway for the firm's neat and orderly workmanship. The projects were constructed with minimal disruption to the schools' daily schedules.

In a special aspect of the project, WPI students and faculty provided

significant pre-construction research to spearhead the renewable project in 2009. Fred Looft, a Leicester School Committee member and the head of WPI's Electrical and Computer Engineering Department organized three WPI students – Laura Montville, Chris Gabrielson and Stephen Hanley – to conduct a feasibility study to determine the energy savings a renewable energy project would realize for the Town. Findings were related to the School Department and Town officials. As the project went forward, the Leicester Board of Selectmen voted to support entering into a Power Purchase Agreement with Broadway Electric to design and install solar power panels.

Each of the schools will utilize the solar installations as an educational tool in their science curriculum. Students will have the advantage of hands-on learning through monitoring the energy output of the solar panels, and Leicester will serve as a leading Massachusetts community in the growing trend toward clean, renewable energy.

Broadway Executive Project Manager Dan Griffin said, "Student involvement on the Leicester project makes it a very gratifying project for Broadway Renewable Strategies to complete. The project will bring clean energy cost savings to the town plus provide an active on-site solar system as a learning platform."

ELECTRICAL INDUSTRY NEWS

Thomas Driscoll of E.S. Boulos Company Inducted into Academy of Electrical Contracting at NECA 2011 in San Diego



Photo by Chick Picabo

Academy of Electrical Contracting 2011 Inductees – Tom Driscoll (3rd from left) joins with eight fellow NECA contractors from throughout US and Academy Chairman Milner Irvin (5th from right) at induction ceremony.

SAN DIEGO, CA – NECA Boston Chapter Governor Thomas Driscoll, Executive Director of E.S. Boulos Company in Westbrook, Maine, was inducted into NECA's Academy of Electrical Contracting at the NECA 2011 Convention in San Diego on October 24. The Academy of Electrical Contracting honors outstanding leaders in the electrical contracting field in order to preserve the wealth of experience and

ability these leaders have developed through their years of dedicated effort, to the benefit of the entire construction industry. Their service is continued through membership in the Academy as the voice of experience for NECA and ELECTRI International. Tom is a past president of the Boston Chapter and serves as our rep on NECA's Electri '21 Council. Congratulations Tom and 2011 Class of Fellows!

EDUCATION & TRAINING NEWS

NECA Boston Chapter and NECA Management Education Institute (MEI) Present Facilities Energy Audit Workshop

BOSTON, MA – NECA Boston Chapter and NECA's MEI presented Phase One Training of the Facilities Energy Audit Education Series Program – the Screening Survey Workshop – on November 9 at the IBEW Electrical Industry Training Center in Dorchester, MA. Attended by NECA contractors, the program prepares electrical contractors to identify and meet demands of energy efficiency projects in commercial, industrial, and institutional facilities. The program trained contractors in conducting high-level assessments of entire facilities, including all major systems. The seminar was conducted by senior technical specialists Mark Toda and Bill Paletski, of the Pennsylvania Technical Assistance Program (PennTAP) with Penn State University.

NECA and Wentworth Advanced Training for Construction Management Sessions



Wayne DelPico of Wentworth Institute conducting Advanced Training for Construction Management session

BOSTON, MA – In October, NECA Boston Chapter and Wentworth Institute of Technology (WIT) held the Advanced Training for Construction Management session at the IBEW Electrical Industry Training Center in Dorchester. The advanced training program, developed by NECA in collaboration with Wentworth, provides field-tailored solutions to common

site management challenges. It is comprised of three seminars conducted by course instructor Wayne DelPico of Wentworth Institute of Technology and attended by NECA foremen, general foremen and project managers. The first session focused on Contract Documents, including expectations and performance requirements; plans and specifications; RFI process, and managing scope creep. The second session centered on Managing Construction Contracts, and the third session was dedicated to Scheduling – Practical Applications. Attendees earned CEU Certificates in Advanced Training for Construction Management from WIT.

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