

LIPA and the IBEW... Aimed Towards the Future

Long Island must decrease its dependence on expensive fossil fuels which contaminate our environment and impact our bottom line. LIPA is committed to bringing renewable, clean energy sources to Long Island. Renewable resources include wind power, solar power and fuel cells.

Local 25 International Brotherhood of Electrical Workers (IBEW) is well aware of the trends that impact their work force. As the acceptance and installation of renewable technologies continues to grow, they recognized that training would be essential for electricians to correctly and safely install them. They want to stay on the forefront of new technologies, especially regarding green or renewable resources.

In 2005, a 15 kilowatt solar power system and a 5 kilowatt fuel cell unit were installed at Local 25 IBEW Headquarters in Hauppauge as a result of the partnership between LIPA, IBEW and Plug Power (the manufacturer of the fuel cell). Not only will these alternative energy technologies provide electric power and domestic hot water to the headquarters, but they will serve as a "hands on" training center for electricians and apprentices.

IBEW Members are increasing their skills, knowledge and awareness of renewable technologies through the installation and demonstration of the photovoltaic system and fuel cell at the IBEW Headquarters, allowing them to stay ahead of the constantly changing field of electrical technology. "LIPA is pointed toward the future, and we want to be part of that change. Our partnership is a strong one, and we want to be the forerunner along with LIPA to install new, renewable technologies." said Donald J. Fiore, Business Manager of IBEW Local 25, "The growing use of this type of environmentally friendly power is necessary for us to advance our independence from the growing pollution from fossil fuels."

Through the Clean Energy Initiative, LIPA continues to diversify Long Island's electric energy supply by taking a proactive role in facilitating the favorable reception of renewable energy and encouraging energy efficiency and conservation.

Fuel Cells and IBEW

In 2001, LIPA began an aggressive fuel cell pilot study, involving the installation of 75 fuel cells at our West Babylon substation. This site was designed to hold more than 100 fuel cells, which would generate 5 kW per unit to support the electric grid. The fuel cells have been upgraded and exchanged as the technology evolved. Between 2002 and 2004, several generations of Proton Exchange Membrane (PEM) fuel cells were placed at this site. All of the work at the site was done using contractors that utilized IBEW workers.

The IBEW has become very familiar with fuel cell technology, and interested in it as a future area of expertise for its membership. LIPA's Clean Energy Initiative is currently involved in placing

fuel cells at various locations around Long Island. As of today, 20 fuel cells have been sited. IBEW contractors have been involved throughout and are also providing service to these fuel cells.



One location used for a fuel cell installation is the IBEW Union Hall in Hauppauge. A 5kW PEM fuel cell has been installed at the hall. It will generate clean power for the hall and expose the technology to additional IBEW members. The union assisted in the installation and contributed an electrician during the process.

Discussions are on-going with the union regarding the creation of fuel cell technology training materials and their inclusion into the IBEW training program.



Mike Ennis, Manager, Commercial/Industrial Energy Services Group, LIPA, and Don Fiore, Business Manager Local 25 IBEW, celebrate the partnership responsible for the success of the 15K photovoltaic system on the roof of the IBEW 25 Headquarters in Hauppauge.

If you'd like your name to be added to our Trade News mailing list, please call the Energy Infoline at

1-800-692-2626

www.lipower.org

LIPA Energy Advisors... Your Trade Ally Field Partners

Our Energy Advisors are available to answer your energy questions, explain LIPA's programs and services or to make a personal visit to address your energy issues. Simply locate an Energy Advisor working in your area and call today!

Joseph Tartaglione 631-436-4050
Kenneth Trypuc 631-436-5772
James Soria 631-436-5773
Juliana Griffiths 631-436-5766
Joel Lein 631-436-3892
Robert Scipioni 631-436-5759
Kathleen Wisniewski 631-436-5774



Conservation Corner:



"Changing incandescent exit signs to LED type signs can save you money by consuming approximately one tenth the energy."

— Joe Tartaglione, Energy Advisor

Call the Energy Advisor in your area to get more details on this or call the LIPA Infoline and ask for an energy consultation for your business.

**Utility Connections:
Working Safely Near
Power Lines**

It's important for LIPA Trade Allies to work safely near overhead power lines and underground facilities. There are codes, laws and requirements that apply when working on, and/or erecting new buildings in close proximity to overhead power lines, or excavating in the vicinity of underground facilities.

Increased awareness about safety requirements is the key to improving safety and saving lives. Occupational Safety and Health Administration (OSHA); National Electric Safety Codes (NESC); Code Rule 57 High Voltage Proximity and Code Rule 753 Protection of Underground Facilities are regulations that require safe work practices regarding overhead wires and underground facilities, and proper clearances of wires to workers and structures. To learn more, visit www.lipower.org and read, "Stay Safe When Working near Power Lines."

Working safely is an important issue with LIPA, and we'd like your cooperation and involvement in spreading awareness. To further discuss this issue, please contact Nicholas De Pascale at 516-792-7102 or ndepascale@service.lipower.org.



MESSAGE BOARD

Professional Development Notices

Fall 2005 Online Learning Programs Available August 1st thru October 31st

LIPA's Trade Ally Online Learning Center is available in cooperation with our Internet Learning Center Partner (ILCP) links. Each quarter our partners feature programs, some with special savings, to LIPA Trade Allies. Visit www.lipower.org/trade to learn which programs have been discounted, and how to register.

Trade Ally Online Learning Center
Participate from your office, home, or anywhere you have Internet access.
Earn Continuing Education Credits (CED) and Professional Development Hours (PDHs)



October 11th, 12th, 13th [11 - 1 PM] (.6 CEU/6 PDH)
Strategic Energy Planning - 50% Featured Discount
Sept 9th - Dec 6th [Self Paced](.1 CEU/10 PDH)
Building Energy Management - 50% Featured Discount
August 1st - Oct 31st [24/7] (.1 CEU/1 PDH)
Improving Lighting Systems with New Metal Halide Lamp Technology - 50% Featured Discount



October 18th [1 - 4 PM] (.3 CEU/3 PDH)
Introduction to Green Buildings and Sustainable Construction
Designing Residential Ventilation Systems to Meet ASHRAE Standard 62.2
October 26th [1 - 4 PM] (.3 CEU/3 PDH)
Complying with Requirements of ASHRAE Standard 62.1-2004



Save the Date!
Trade Ally Energy Solutions EXPO
TIME: 8 AM - 3 PM
LOCATION: KeySpan/LIPA J.W. Dye Center, 131 S. Hoffman Lane, Islandia, NY 11749



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TRADE NEWS

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