

July 2021



## To Register Contact:

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## INVITATION FOR HEAT PUMP PERFORMANCE TRAIN-THE-TRAINER

### WHERE:

Plumbers & Steamfitters Local No. 22

120 Gardenville Parkway

West Seneca, NY 14224

### WHEN:

AUGUST 4, 2021 8:00am–5:00pm

### EXECUTIVE SUMMARY:

New York State is committed to the most aggressive clean energy and climate agenda in the country. New York's carbon reduction target requires transformation of the built environment in order to achieve an 85% reduction in carbon emissions by 2050. The leading-edge goal requires acceleration or improvement of electrification of thermal loads. All heat pump product families are commercially available solutions in the market today. New York has identified two keys to success: over 200,000 homes per year upgraded to be all-electric and energy efficient and by 2050, over 600,000 commercial, institutional, and multifamily buildings need to cut energy use in half and end fossil fuel use.

### NYSERDA GRANT TO SUPPORT CLEAN ENERGY AND CLIMATE AGENDA

NYSERDA awarded a funding match to enable North Park Innovations to develop high-tech products to train current and future technicians in New York State's HVAC Industry. The technicians will learn to install and use cutting-edge devices with integrated intelligent software for improving energy efficiency in HVAC systems all across the state.

### IMPLEMENTATION THROUGH INDUSTRY STAKEHOLDER PARTNERSHIP

In 2017, the UA International Training Fund deployed an accelerated service technician program to support the signatory contractors as they worked to capture the man-hours in the residential and lite commercial service sectors. North Park Innovations (NPI) provided high-tech manifolds for the training. Additionally, NPI engineers demonstrated the proper use of the iManifold® device in the classroom. Education partner, ESOO Group, also contributed to the enrichment of the training by sending Eugene Silverstein to discuss heat pump service techniques. This year, nClarity partnered to integrate iManifold® and Pulse into an advanced digital platform. To meet the stated goals of New York, these training partners have developed an eight-hour lesson plan as a train-the-trainer opportunity for all New York State UA locals.



TRAINING  
PARTNERS



| AUGUST 4 <b>ALL MODULES OFFERED AS TRAIN-THE-TRAINER</b> |  |
|--|--|
| 7:00 am  | Registration   |
| 8:00 am  | Welcome and Opening Remarks  |
|  | <p>Training Topics:</p> <p>Share the goals and outcomes of NPI's NYSERDA grant.</p> <p>Introduce NPI's iConnect Training Heat Pump demonstrator with installed iManifold®Pulse Technology.</p> <p>Demonstrate heat pump skid including iManifold®and Pulse data.</p> <p>Share data and interpret readings.</p> <p>Identify techniques to optimize heat pump performance.</p> <p>Teach how to use this technology on any heat pump.</p> |
| Noon/Lunch   | Service Roundtable for MCAA officials and Signatory Contractors  |
| 1:00 pm  | Training continues   |
| 4:00pm   | Open discussion of all topics  |

#### UA SUPPORT FOR THE NEW YORK CLEAN ENERGY PROGRAM

Enrollment for this program is limited to two instructors from every UA local in New York. The NYSERDA grant and NPI will pay for one day of wages for one instructor from each local, not to exceed \$8,000. UA locals are responsible for instructor travel expenses and per diem. Each UA local will receive the iManifold Pulse kit for training at their home local. Each UA instructor will receive the training outline for teaching the heat pump materials for training in their home local. After August 4, 2021, each UA local training center in NY will schedule two classes monthly through the end of 2021. Each class will have a minimum of 15 students for each training event. All New York State UA members are eligible for training by the UA local training center.

#### UA INTERNATIONAL TRAINING FUND SUPPORT FOR PROGRAM INITIATIVES

The ITF, in partnership with North Park Innovations, has created two types of training modules to support this program. One is a heat pump water heater and the other is a split system heat pump. Both units have iManifold® Pulse equipment mounted for demonstration purposes. Additionally, North Park Innovations will donate a ductless split system heat pump for use in any NY local training center. After August 4, 2021, a Blackboard shell will be developed by the UA International Training Fund for use by all United Association locals.

#### LODGING (arrangements on your own)

Residence Inn Buffalo Galleria Mall  
107 Anderson Road  
Buffalo, New York 14225 USA  
716-892-5410

Home2 Suites Buffalo Galleria Mall  
1999 Walden Avenue  
Cheektowaga, New York 14225 USA  
716-249-2700