

# April 2024

## Solar Panel Overview & Troubleshooting

4 Contact Hours  
8AM—NOON

Date: April 3, 2024

Place: [IUOE Local 95 Hall](#)

Instructor: Gary McBurney

Tuition:

Education Fund Members – \$0.00

Local 95 Members - \$160.00

Non-Members - \$215.00

Active Retirees—\$0.00

Approved for Stationary Engineer and  
Electric License



## Sustainable Building Operations

Operations & Maintenance Training

16 Contact Hours  
8AM—NOON

Date: April 4, 11, 18, 25—2024

Place: [IUOE LOCAL 95](#)

Instructor: GBA/ Leslie Montgomery

Tuition:

Education Fund Members – \$0.00

Local 95 Members - \$640.00

Non-Members - \$860.00

Active Retirees - \$0.00

**MUST ATTEND ALL  
CLASSES FOR CREDIT**

Approved For Engineer  
License



## Intro to M.S. EXCEL

8 Contact Hours  
8AM—NOON

Date: April 9, AND 16, 2024

Place: [IUOE Local 95 Hall](#)

Instructor: Krista Kay

Tuition:

Education Fund Members – \$0.00

Local 95 Members - \$320.00

Non-Members - \$430.00

Active Retirees—\$0.00

Approved for Stationary Engineer License

Class is Limited to 15 Students

**MUST ATTEND BOTH CLASSES FOR CREDIT**



## NALCO Water treatment Company

Water Treatment and Cooling Systems

4 Contact Hours  
8 AM—NOON

Date: April 9, 2024

Place: [IUOE LOCAL 95 Hall](#)

Instructor: NALCO

Tuition:

Education Fund Members – \$0.00

Local 95 Members - \$160.00

Non-Members - \$215.00

Active Retirees - \$0.00

Approved for Stationary Engineer License

**NALCO** Water  
An Ecolab Company

# April 2024

## Cleveland Pump Repair Centrifugal Pump Training

4 Contact Hours  
8 AM—NOON

Date: April 11, 2024

Place: IUOE LOCAL 95 Hall

Instructor: Bob Lindsey/ CPR

### Tuition:

Education Fund Members – \$0.00

Local 95 Members - \$160.00

Non-Members - \$215.00

Active Retirees - \$0.00

**Approved for Stationary Engineer License**



## T.F CAMPBELL PRESENTS:

### Belimo Valves, Fittings and Controls

4 Contact Hours  
8AM—NOON

Date: April 17, 2024

Place: IUOE LOCAL 95 Hall

Instructor: T.F. Campbell/ Belimo

### Tuition:

Education Fund Members – \$0.00

Local 95 Members - \$160.00

Non-Members - \$215.00

Active Retirees—\$0.00

**Approved for Stationary Engineer and City HVAC License**



## Dust Barriers and Containment

4 Contact Hours  
5PM—9PM

Date: April 17, 2024

Place: IUOE LOCAL 95 Hall

Instructor: Carl A. Luisi Jr.

### Tuition:

Education Fund Members – \$0.00

Local 95 Members - \$160.00

Non-Members - \$215.00

Active Retirees - \$0.00

**Approved for Stationary Engineer License**



## IMI Hydraulics

4 Contact Hours  
8AM—NOON

Date: April 24, 2024

Place: IUOE Local 95 Hall

Instructor: Grant Bingham /IMI

### Tuition:

Education Fund Members – \$0.00

Local 95 Members - \$160.00

Non-Members - \$215.00

Active Retirees—\$0.00

**Approved for Stationary Engineer License**



# April 2024

## Harmonics-Power Quality-Power Factor

### Harmonics-Power Quality-Power Factor

16 Contact Hours  
8 AM—NOON

**Date:** Begins Monday April 29, 2024  
May 6, 13, 20—2024

**Place:** IUOE LOCAL 95 Hall

**Instructor:** Dan Koller

**Tuition:**

Education Fund Members – \$0.00

Local 95 Members - \$640.00

Non-Members - \$860.00

Active Retirees - \$0.00

**Approved for Stationary  
Engineer License**

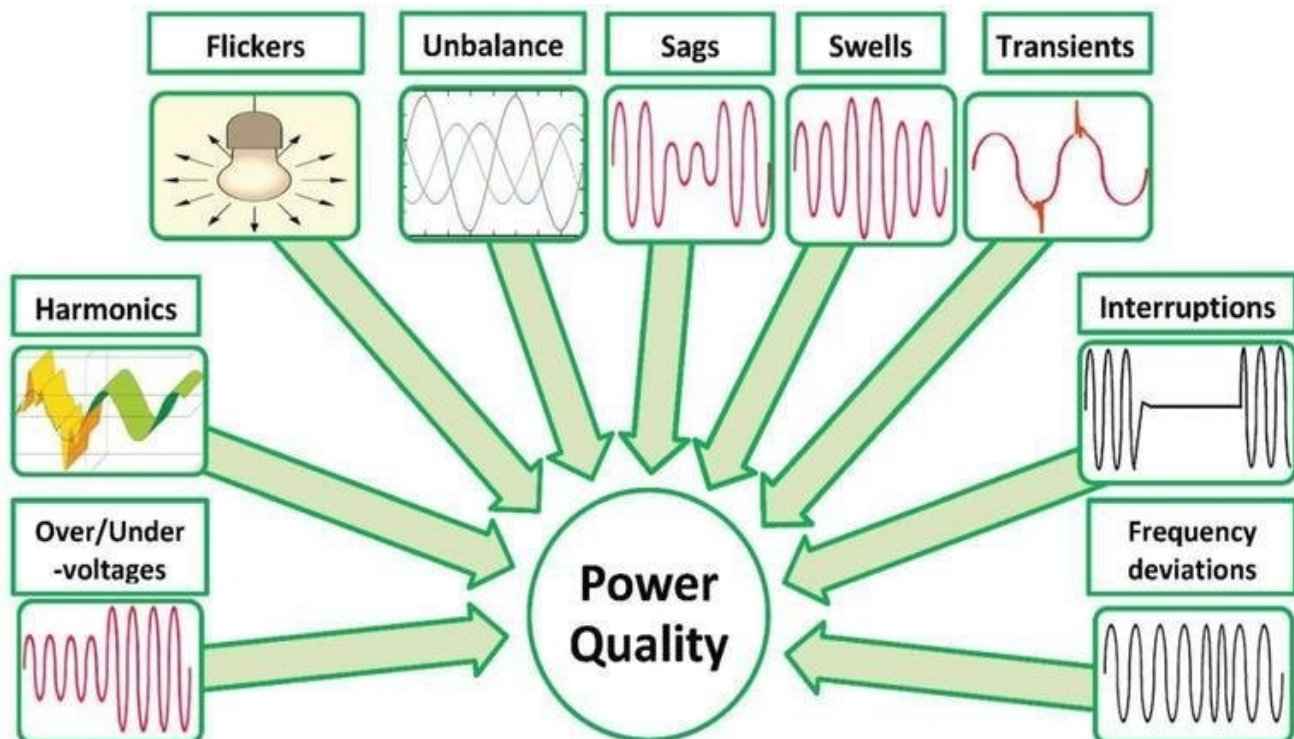


**This 16 hour course will cover these topics as well as an extensive hands on testing and training.**

The term harmonics commonly refers to a distortion of the normally smooth utility power. Harmonics are actually higher frequency voltages and currents, and when added to the utility power, produce a distortion of the normal voltage or current waveform.

Harmonic frequencies are produced by the action of non-linear loads such as rectifiers, discharge lighting, or saturated electric machines, everything that we find in today's modern office building, high-rise, hospital and college campus'.

These harmonic currents create heat, this heat over a period of time, will raise the temperature of the neutral conductor. This rise in temperature can overheat the surrounding conductors and cause insulation failure, equipment failure, higher energy bills and consumption, misfiring in variable speed drives, and torque pulsations in HVAC systems, pumps, motors and generators.



# April 2024

## Sustainable Building Operations



**I.U.O.E.  
LOCAL 95  
TRAINING  
FUND**



**Augmented GPRO Operations & Maintenance Training Delivered by GBA in Partnership With IUOE Local 95**

### Curriculum and Schedule:

GPRO Operations & Maintenance Training was developed by the Urban Green Council with support from field subject matter experts. Three main aspects of the original course are:

- an introduction to climate change and how building operators can make a positive difference for the planet and for people,
- a focus on preventive maintenance as a best practice for efficient and healthy operations, and
- the importance of data measurement and tracking to ensure efficient use of water and energy.

#### Class 1 (4 hours):

- Operations & Maintenance in Existing Buildings
- Building Performance Metrics
- The Building Envelope

#### Class 2 (4 hours):

- Water Use
- Heating, Colling, and Hot Water

#### Class 3 (4 hours):

- Indoor Air Quality
- Lighting
- Waste Reduction

#### Class 4 (4 hours):

- Resilience
- Commissioning in Existing Buildings

**ALL CERTIFICATES AND CONFIRMATIONS ARE SENT TO THE E-MAIL THAT YOU REGISTERED WITH. IF YOU ARE NOT RECEIVING CORRESPONDENCE, BE MINDFUL THAT MOST EMPLOYER SYSTEMS BLOCK OR MOVE OUTSIDE EMAILS TO TRASH. PLEASE CONSIDER USING A PERSONAL EMAIL.**

**CLASS CANCELLATIONS CAN NOT BE TAKEN OVER THE PHONE OR EMAIL.**

**ALL CLASS CANCELLATIONS MUST BE DONE VIA THE WEBSITE**

# April 2024

## NIULPE PREP for 4th and 3rd

### CLASS LICENSE

8 Contact Hours  
4 PM—8 PM

Date: April 2nd and 3rd 2024

Place: IUOE LOCAL 95 Hall

Instructor: Allen Gray

### Tuition:

Education Fund Members – \$0.00

Local 95 Members - \$320.00

Non-Members - \$450.00

Active Retirees - \$0.00

Approved for Stationary Engineer License

**CAN ATTEND IN PERSON OR VIA ZOOM**

**MUST ATTEND BOTH CLASSES FOR CREDIT**

## IN PERSON NIULPE TEST

**SIGN IN STARTS AT 4 PM**

Date: April 18, 2024

Place: IUOE LOCAL 95 Hall

**YOU MUST SIGN UP AND REGISTER AT:  
NIULPE.COM**



**CITY LICENSE RENEWAL CLASS CREDITS CAN BE TAKEN WITHIN 364 DAYS BEFORE YOUR LICENSE EXPIRES**

**ALL CERTIFICATES CONFIRMATIONS AND CANCELLATIONS ARE SENT TO THE E-MAIL THAT YOU REGISTERED WITH. IF YOU ARE NOT RECEIVING CORRESPONDENCE, BE MINDFUL THAT MOST EMPLOYER SYSTEMS BLOCK OR MOVE OUTSIDE EMAILS TO TRASH. PLEASE CONSIDER USING A PERSONAL EMAIL.**

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