



Edison Electric  
INSTITUTE

Thomas F. Farrell, II  
Safety Leadership and Innovation Award  
2025 Award Recipients

*Power by Association™*

**CATEGORY: EEI MEMBER COMPANY EMPLOYEE LEADER**

**James Hamilton – Florida Power and Light Company**

**Description of Achievement:** Jim is the driving force behind much of the innovation seen in FPL's field tools and procedures, including working with various tool vendors to create new tools, enhancing workplace safety and reducing injuries.

**Executive Summary:** James Hamilton, Transmission and Substation safety coordinator, has dedicated his career to improving safety for workers at Florida Power & Light and the industry. With 40 years' experience, Jim has been an advocate for workplace safety since joining the company as a helper; working on various teams to improve safety performance. He works closely with our Work Methods team and manufacturers to enhance industry tools and is relied upon for his innovative redesigns, such as insulated manlifts, magnetic breakaway bonding jumpers and open wire secondary spreader bars. Jim is regarded as a teacher, leader, and trusted friend.

**Supporting Information**

## **CATEGORY: MEMBER COMPANY PROJECT**

### **Consumers Energy – Automated CPR Device**

**Description of Achievement:** A new application of an automated CPR device for wind tower employees.

**Executive Summary:** In 2024, Consumers Energy was working on an enhanced wind tower rescue program in collaboration with our Union, Safety, and Learning and Development team and quickly came to a challenge. What if an employee has a medical emergency up tower requiring CPR?

In this scenario, our employees like others are trained in CPR and first aid as well as rescue using rope descent systems, but there would be no way to continue CPR while trying to exfiltrate a downed employee. Even well-trained employees would take several minutes to lower an individual to ground level where Emergency Services could assist and in these scenarios seconds count, not minutes. Our team was concerned that this was essentially a death sentence to a coworker so we got to work and sought out a solution.

The effort was led by Charlie Dame a Union Safety Representative that supports our generation operations team and volunteer fire fighter. The team researched and found automatic CPR devices are commercially available but had not been used in this type of scenario such as a vertical descent.

In partnership with a local medical equipment manufacturer, the team tested the automatic CPR machines in a vertical configuration while attached to our rescue equipment setup and discovered these can be utilized! This application has the potential to save a life in the most dire of circumstances. The team is currently working to deploy these devices to each wind farm in our fleet.

### **Supporting Information**

## **CATEGORY: INTERNATIONAL MEMBER PROJECT**

### **Ontario Power Generation – OPG Remote WBGT Monitoring**

**Description of Achievement:** Creation of remote Wet Bulb Globe Temperature (WBGT) sensors that continuously monitor environmental conditions in real-time, with the ability to automate recommended work/rest regimens.

**Executive Summary:** Ontario Power Generation (OPG) presents an innovative initiative that modernizes environmental monitoring for heat stress while reducing time spent by workers under heat stress and working in radiologically-sensitive areas. Typically, environmental conditions are evaluated by gathering temperature data with hand-held WBGT monitors after which Safety professionals calculate a work/rest regimen for the workers. OPG's remote system vastly improved this process by proactively monitoring ambient conditions in real-time and automatically calculating recommended work/rest regimens. By integrating this new system into current practices, conditions are monitored more accurately and efficiently, supporting better work planning, and ongoing safety of OPG workers.

#### **Supporting Information**

##### **Video**