



# **ELECTRIC LEAGUE**

OF THE PACIFIC NORTHWEST

## **Codes and Standards Meeting Minutes**

**December 20<sup>th</sup>, 2023, Virtual Teams Meeting**

### **November 2023 Meeting Minutes Approved**

Jimmy Matuszak

Dan Thumlert

Brook Walker

Jim Adams

Cameron Clark

Dennis Straley

Steve Gale

Tim Quiring

Dan Steinert

Michael Case

#### **Education-**

- Still looking for suggestions from the group.

#### **State of Washington L&I/ Dennis Straley-**

- Inspector Training 1/9 & mid-February

#### **City of Bellevue/Tim Hingtgen-**

- Not Present

#### **City of Seattle/David Rankin**

- Not Present

#### **Puget Sound Energy/Andrew Pultorak-**

- Not Present

#### **Snohomish PUD/Rob Marks-**

- Not Present

#### **Energy Code/Dan Steinert-**

- No report

#### **ELPN/Brook Walker-**

- Group 14 Tour 2/15; Space is limited, first come, first served.
- Connecting the Dots – Electrical Industry Panel Presentation, 1/18

## IEEE/Cameron Clark-

- IEEE Mtg;

The first UW seminar on energy systems of this year will take place on **Thursday January 4th from 4:00 pm till 5:00 pm** in [Mary Gates Hall](#), room 251.

### Speakers:

- Scott Gibson: Manager – Energy Storage and Emerging Technology
- Alex Chorey: Principal Engineer – Energy Storage and Emerging Technology
- Jessica Spahr: Program Manager - Energy Storage and Emerging Technology

**Title:** SnoPUD's battery energy storage and microgrid projects

### Abstract:

Snohomish County PUD – the electric utility for Snohomish County and Camano Island - recently created a new department which will focus on clean energy technologies to help prepare for the future. The new department is called Energy Storage and Emerging Technologies and is just 10 months old. Our first big projects will be the state's largest battery energy storage system – a 25MW/100MWh lithium-ion battery located in Arlington, Washington -and – a microgrid with the Tulalip Tribes which will utilize solar and lithium ion battery storage. These new systems are needed to provide carbon-free generation capacity to meet load growth due to electrification of buildings and transportation, an ever-increasing population, colder winters, and hotter summers. We use to add generation and/or capacity with gas fired peaking plants -but- the Washington Clean Energy Transformation Act – CETA - is requiring that Washington electric utilities be 100% carbon free by 2045. So all new generation must be carbon free. During the past 10 years the PUD has constructed and operated a 2MW lithium-ion battery storage system, a 2MW vanadium flow battery and a microgrid that included stationary and mobile energy storage (V2G – Vehicle-to-grid) . We will talk about the journey of the past 10 years and how that is enabling us to be ready for the future and some of the challenges that we see are ahead of us. There are still some technical challenges but there are also many challenges associated with cost, permit, zoning, safety as well as public acceptance and communications – not to mention - workforce.

### Parking:

The closest option is the [central parking garage](#), entrance on 15th Ave NE and NE 41st.

### Public transportation:

Consider using the link light rail to the [U-district station](#).

Additional information about this and the other seminars in this series is available on this [website](#).

Best regards,

Daniel Kirschen

Donald W. and Ruth Mary Close Professor of Electrical and Computer Engineering

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## New Business-

- Next meeting scheduled for January 17<sup>th</sup> @ 8AM.
- Merry Christmas to all!

## Adjourn-