

Electric League Code Committee Meeting Notes from 06/21/2017 Submitted by Murray L McKinney Jr

Attendance:

Murray McKinney Jr.	Mckin Assoc.	Brook Walker	Electric League
Andrew Kosobutsky	NCPC	Richard Meell	City Of Seattle
Ken McGowan	HDR	Andrew Pultorak	Puget Sound Energy
Lance Kirmeyer	HDR	Dennis Straley	Labor and Industries
Len Whalen	LDW Engineering	Michael Brisbois	Siemens
Randy Wilson	Cummins	Bob Schneider	D. Hittle & Associates
Dan Steinert	McKinstry	Charlie Beck	WSP

Opening:

Presentation on Current Limiting Fuses - Al Hewitt

- Definition of Current Limiting Over Current Device can be found at NEC 240.2.
- Busman publishes the “Let Through Charts” for current limiting fuses.
- Series Rating allows for lower interrupting rated circuit breakers to be protected by a upstream rated device.
- Options to reduce fault current:
 - Increase conductor length thus adding impedance.
 - Add a high impedance transformer reducing the ASSC.
 - The manufacture increase SCCR of equipment.
 - The use of current limiting fuses to reduce the ASSC.
- Current Limiting Fuses Up-Stream - The current limiting value for the fuse needs to be less or equal to the interrupting value of Circuit Breaker. Current limiting fuses work better when there are no circuit breakers.
- Current limiting fuses have problems with dynamic devices like circuit breakers. The fuse and circuit breaker need to be listed together.
- L&I and Tacoma accept current limiting fuses upstream of HVAC equipment. Seattle accepts current limiting fuses if a third party evaluates it. Seattle accepts the same testing labs as the state.

Labor and Industries – Dennis Straely

- June Currents has been released, with a summary of the WAC changes.
- The marina owners were concerned about 30 milli-amp protection requirement. The state will give a 1 year grace period on the requirement.
- NFPA accepting proposals for 2020 NEC.
- 9 Inspector positions are open.
- Plan review is sitting at 4 weeks.
- Arc Flash Labeling Requirements are changing for service gear.
- Derating conductors routed on rooftops are being reduced. The conduits do need to be off the roof to allow for air flow.
- State is unsure how to enforce torque wrench requirements.
- Sammamish City will be doing their own electrical inspections.

City of Seattle – Rich Meell

- Seattle Electrical Code has passed committee.
 - 110.16 - Incorporated 70E Language into the Seattle Electrical Code.
 - The owner of a single unit in a unit sub division can provide a circuit to power general lighting.

- o Seattle will accept floor boxes to be mounted on the floor instead of in the floor.
- o Elevators - heat load and working clearance. SCL is restricting that only equipment serving elevators can be in the elevator machine room. Mechanical engineer needs to account for any step down transformers in the room. Elevator equipment is sensitive to heat.
- o 680.4 - Pool equipment must all now be listed.
- o 700.5 - Solar PV Systems needs to follow requirements for electrical services.
- o Seattle is accepting the argument that if building can be shut down during generator maintenance, then a 2nd generator would not be required.
- o Scott Lau will replace Rich at the Electric League Meetings.

City of Bellevue – Not Present

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PSE – Andrew Pultorak

- No Update

Snohomish PUD – Not Present

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Energy Code – Andrew Pultorak

- NEET is getting together with other groups and looking at 2018 code. They are meeting on regular basis and are looking for input from the community. The 2018 code is going to be delayed a year and won't be effective until 2020.

IAEI / NFPA – Al Hewitt

- The meeting is scheduled for second Saturday in July. There is also an 8 Hour class on NEC updates.

IEEE / IAS– Ken McGowan

- Asco put on a presentation on transfer switches.

Electric League – Brook Walker

- The League has rented out Mariner Power Alley on Friday - Tickets still available. 50 dollar tickets with dinner.
- The next meeting will be in September.

New Business –

- Automatic Sump Pumps may now be required in elevator pits, Check with AHJ.
- 3M is promoting E-Wrap around emergency system to improve survivability for radio repeater system. Requirements for protection is being reviewed by the fire departments

Adjournment