

**Electric League Code Committee
Meeting Notes from 04/18/2018
Submitted by Murray L McKinney Jr**

Attendance:

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|---------------------|-----------------------|-----------------|------------------------|
| Murray McKinney Jr. | Mckinney Engineering | Al Hewitt | Bussmann |
| Tim Hingtgen | City of Bellevue | John Saldana | City of Seattle |
| Brook Walker | Electric League | Andrew Pultorak | Puget Sound Energy |
| Dennis Straley | Labor and Industries | Jimmy Matuszak | Siemens |
| Randy Wilson | Cummins Sales & Serv. | Lydia Shompole | PowerStudies |
| Dan Steinert | McKinstry | Cameron Clark | Eaton Electrical |
| Rich Bratlde | WSDOT | Mike Brisbois | Sigma Six Solutions |
| Jenna Pine | Schneider Electric | Bob Schneider | D. Hittle & Associates |

Opening:

Presentation of Miscellaneous NEC Code Article 240: Allan Toole - Secondary Size Conductors Transformers

- 450.3A has the breaker sizes for transformers under different conditions. Secondary protection not required if you meet supervised location requirements.
- Bellevue considers a space where only qualified people access the equipment.
- Bellevue requires secondary conductors longer than 15 feet to be encased.
- Sizing the primary breaker on a transformer can be higher if there is secondary over current protection. Larger primary circuit breaker on a transformer can reduce nuisance tripping.

Labor and Industries – Dennis Straley

- Stakeholder meetings are being lightly attended. Questions involve new legislative action dealing with apprenticeship. The program was approved and the effective date is 2023. Trainees start a 4 year program which means that implementations need to happen in 1 year.
- Cities can now establish their own penalties for not complying to code.
- Tukwila has a new electrical inspector supervisor.
- IAEI magazine had an article about the use of fittings. Many conduit fittings are suitable only with taper fittings. EMT technically should not be used with some of the fittings. A taper fitting is a threaded end of a pipe. Steve (the chief electrical inspection) says he doesn't see the state writing that correction. The state views that just because UL didn't investigate a certain use doesn't mean the state voids the UL rating. Installations will be reviewed cases by case by inspector. AHJ's haven't seen a problem using these fittings with EMT.

City of Seattle – John Saldana

- New permitting system is in transition on April 30th. Inspections on Monday need to be submitted by Friday the 27th at noon. There may be some chaos and there will be a help number.
- There is training at SDCI to get familiar with the system.

City of Bellevue – Tim Hingtgen

- Bob Johnston retired. Bruce Reynolds is taking a more active role in plan review. Bellevue planning on training an inspector, Chuck Murray, to also do plan review.

PSE – Andrew Pultorak

- On June 20th there will be a major West Coast Conference on energy management in Seattle.

Snohomish PUD – Not Present

Energy Code – Dan Steinert

- May 25th is the deadline for code proposals. There is a document online that deals with financial analysis for any major changes. You may need to provide estimates for what a change would do to the construction budget.

IAEI / NFPA – Al Hewitt

- Training was last Saturday. 50 people turned out. Class was on circuit breakers and fuses.
- Next training is July in Kent. Third Saturday of the month.
- Al is also doing a code update class as well at the JATC in Kent.

IEEE / IAS– Cameron Clark

- There was a meeting last night from Westinghouse on motors and gear reducers and their new modular drive systems.
- IEEE looking for new presentations.

Electric League – Brook Walker

- May 17th lunch meeting on EV Charging Stations and Load Management Systems.
- League is settled in its new office, 12356 Northup Way, Bellevue, 98005

New Business

- There is a question about a definition of a “vault”. Oldcastle may have the answer on what defines the definition of a “vault”.
- Seattle Triggers plan review if project adds more than 400 amps or 5000 sqft. Even if plan review isn't required the inspector may require load calculations. Each AHJ has different requirements for what triggers the plan review process.
- During remodels, existing code violations in other parts of the electrical system may come into effect. L&I holds the owner responsible and not the contractor responsible for existing violations. L&I will contact ownership and not the contractor if a safety concern is present.

Adjournment