

**Poplar Bluff Electrical Board Meeting
Thursday, March 4, 2021 – 5:00 p.m.
City Council Chambers – 301 South 5th Street
Poplar Bluff, Missouri 63901**

MINUTES

The Poplar Bluff Electrical Board held a regular meeting on Thursday, March 4, 2021, in the City Council Chambers, 301 South 5th Street, Poplar Bluff, Missouri. Ron Rains called the meeting to order promptly at 5:00 p.m. Roll call was as follows:

ROLL CALL

<u>Members Present</u>	<u>Members Absent</u>	<u>Others Present</u>
Bryce Huffman Ron Rains Scott Stone Keith Berry	Lyndell Coleman Mark Long	Irene Morse Tony Chilton

Approval of January 7, 2021 Minutes

Mr. Keith Berry made a motion to approve the January 7, 2021, minutes as printed. Mr. Scott Stone seconded the motion. With all attending Board members in favor, the motion carried unanimously.

Advertisement

This meeting was advertised in the Daily American Republic on Saturday, February 27, 2021.

Disclosure of Interest

None Reported.

New Business

A. Request to put master electrical license in escrow – Joe Patterson.

With no other discussion reported, Mr. Scott Stone made a motion to grant Mr. Joe Patterson's request for his master electrician's license onto escrow. Mr. Keith Berry seconded the motion. With all attending Board members in favor, the motion carried unanimously.

B. Request to put master electrical license in escrow – Matthew Kahrhoff.

With no other discussion reported, Mr. Keith Berry made a motion to grant Mr. Matthew Kahrhoff's request for his master electrician's license onto escrow. Mr. Scott Stone seconded the motion. With all attending Board members in favor, the motion carried unanimously.

C. Request to put master electrical license in escrow – Jason England.

With no other discussion reported, Mr. Scott Stone made a motion to grant Mr. Jason England's request for his master electrician's license onto escrow. Mr. Keith Berry seconded the motion. With all attending Board members in favor, the motion carried unanimously.

D. Request to put master electrical license in escrow – Tim Berry.

With no other discussion reported, Mr. Scott Stone made a motion to grant Mr. Tim Berry's request for his master electrician's license onto escrow. Mr. Keith Berry seconded the motion. With all attending Board members in favor, the motion carried unanimously.

E. Request to put journeyman electrical license in escrow – S. Jason Montague

Mr. Keith Berry advised the current ordinance only allows Master Electricians to put their license in escrow. The ordinance does not say anything about journeyman allowing them to put their license in escrow. Mr. Berry advised he personally does not have any issues with a journeyman putting their license in escrow, but the board needs to determine if they want to allow journeyman to also be able to put their license in escrow since they have the state license. Mr. Scott Stone advised he does not have any issues with it either. He advised if they have a state license, and they are working under their state license. Mr. Berry asked if someone has a journeyman license, and they do not renew it how long do they have before they have to take the test again. Ms. Irene Morse advised March 31, 2021. She advised the licenses are due at the end of December, but they have until March 31, 2021 to renew their license. If they do not renew by that time, then they have to take the test again. Chairman Ron Rains asked about policy and ordinance. Ms. Morse advised it is an ordinance. Chairman Rains advised this will have to be changed by ordinance and will have to be a recommendation to City Council. This would not be changed until the Council approves it. Mr. Keith Berry made a motion to recommend to city council to amend the ordinance to allow journeyman as well as master electricians to place their license

in escrow for the same period of time that is set for the master. Mr. Berry advised the city needs to contact S. Jason Montague and Mr. Dennis Priest to let them know they need to renew their license for another year to keep their license active or until such time the council will allow them to put their license in escrow. Mr. Bryce Huffman asked what does it matter either a master or journeyman that has a State license what does it matter if they do not renew their Poplar Bluff License? Mr. Tony Chilton advised it does not matter really. Mr. Berry advised the only thing would be if they decide not to renew their state license and want to work for Poplar Bluff and only have a license in Poplar Bluff. This would allow them to pull their license back out of escrow and do work as a license electrician here without having to go retake the test. It just puts it in a holding pattern if they decide to drop the state license.

With no other discussion reported, Mr. Scott Stone made a motion to deny Mr. S. Jason Montague's request for his journeyman electrician's license onto escrow. Mr. Keith Berry seconded the motion. With all attending Board members in favor, the motion carried unanimously.

F. Request to put master electrical license in escrow – Herbert Holsapple.

With no other discussion reported, Mr. Keith Berry made a motion to grant Mr. Herbert Holsapple's request for his master electrician's license onto escrow. Mr. Scott Stone seconded the motion. With all attending Board members in favor, the motion carried unanimously.

G. Request to put journeyman electrical license in escrow – Dennis Priest.

With no other discussion reported, Mr. Keith Berry made a motion to deny Mr. Dennis Priest's request for his journeyman electrician's license onto escrow. Mr. Scott Stone seconded the motion. With all attending Board members in favor, the motion carried unanimously.

Unfinished Business

A. City requirement for the service main to have an exterior mounted main disconnect on all commercial properties.

Chairman Ron Rains advised he has spent a lot of time researching especially after Mr. Keith Berry sent his email because it brought up more questions and he needed to do some more research on it. He revised the original proposal. This is just a proposal to make it easier for the inspection and more clarity. Mr. Berry asked if all disconnects had to be over circuit rated or protected. Which means there will be a breaker outside. Chairman Rains added or a fuse. Mr. Berry added some type of over circuit protection outside. Mr. Berry asked if it was a two 3 phase and 600 amps per phase would you have to put a

disconnect on the outside. Chairman Rains advised yes with one service, but per code, you would not have to have one on the main panel, unless you choose to.

Chairman Rains advised the 2020 National Electrical Code made a change for residential disconnects, where you have an emergency disconnect on the outside of the residents and if you read that, they have listed three ways. He advised he is proposing a service disconnect that is marked as emergency disconnect service disconnect. He advised you could also have a meter, but it would have to be a disconnect meter. However, it also lists other disconnects which is the circuit breaker which is on the supply side of each service disconnect that are suitable as a service equipment and marked emergency disconnect that is not serviced. He advised that is very confusing. The first thought was you could put a non-fuse disconnect there, but you can't do that because if you go back and read 230.85 it says "For one- and two-family dwelling units, all service conductors shall terminate in disconnecting means having a short-circuit current rating equal to or greater than the available fault current. If more than one disconnects is provided, they shall be grouped." Chairman Rains added if you put a non-fused disconnect, you will not have a short circuit current rating. The only way you can get that is with a fuse in it. He advised if you read the first page it is clear, "The necessary equipment consisting of circuit breaker or switches and fuses and their accessories connected to the servicing utility intended to constitute the main control and disconnect servicing utility. Service equipment may consist of circuit breakers or fuse switches that are provided as disconnect. It must have some type of short circuit current protection device and the only way to accomplish that is with a fuse or breaker. Mr. Bryce Huffman suggested the city does not decide on the design on the disconnect. The city states a main disconnect and let the engineer design it to code. Simplify it where they do not get into the details of the design. Mr. Berry advised some commercial buildings may not be engineered. Chairman Rains advised for example that shopping center by 10 Box. Mr. Huffman asked how does that happen? Mr. Tony Chilton advised they used the plans from the previous building. Chairman Rains advised he thought this was a simple deal, but the more he researched it the more questions he had. He was trying to assist the current and any future inspectors for clarity. Mr. Berry advised he agrees to simplify it. It does not necessarily have to be laid out as code specifies, but just with an emergency disconnect from the outside. An emergency disconnect on the outside would have to meet code from the engineering guide lines and whatever code is at that time. Chairman Rains suggest he change it to read new commercial buildings and then add for alternations. He believes any alternations need to be addressed at this time so they would not have to go back later to add it down the road. Mr. Chilton advised the city can send letters to the electricians once the changes have been figured out. Mr. Huffman advised they could use whatever they wanted to in Colorado. They just had to have put a disconnect on it. Chairman Rains advised they want to do some more research on this matter. Mr. Bryce advised the City of Arvada had a main disconnect requirement. He suggested we look at their ordinance to see how it reads. Chairman Rains advised he would like to do some more research. At this point his question is if a knife blade switch is acceptable. He advised only thing he has on there is the termination of service conductors with the service conductors is terminated it ends the power supply responsibility. That is the gray area. Chairman Rains advised he would like to see how other cities are interpreting this.

Chairman Rains advised the second thing he wanted to bring before the board are generators. He advised generators are addressed in NEC2017. It says if a commercial building is providing a permanent supply standby power system greater than 15 kw rating or remote lock, emergency stops which shall be provided at or near the outgoing service disconnecting means. 445.18A states you must have disconnecting

means and that in the generator. That is already in the generator. Cut the power to the generator is already in the NEC2017 for commercial. It is a main kill switch. It kills the generator. The 445.18 reads "Generators with greater than 15 KW Rating shall be provided with an additional requirement to shut down the prime mover. This additional shutdown means shall be located outside the equipment room or generator enclosure and shall also meet the requirements of 445.18(B)(1) and (B)(2)." Chairman Rains advised it is an exterior generator, it would be mounted up and it would have an exterior lock-in closure. Mr. Berry asked the question would be how are exterior. He advised other than hospitals and facilities like that already having an interior inside the building generator. Chairman Rains advised that would be industrial, that is the reason for the second part he put in there. It is already in the code.

Chairman Rains advised the third item he defined a commercial building. He advised Chief Ralph Stucker wanted to exclude Hospitals, Nursing Homes and Residential Care Facilities. Chairman Rains advised he addressed that in the proposal. He feels the definition of commercial building needs to be listed in the ordinance.

With no other discussion reported, Mr. Scott Stone made a motion to table this for further review. Mr. Keith Berry seconded the motion. With all attending Board members in favor, the motion carried unanimously.

Discussion

A. State License Requirements

Ms. Irene Morse advised the city's attorney, Mark Richardson advised if anyone presents a state license the city must honor it. The city cannot add any conditions. Mr. Keith Berry asked if a State License Contractor could purchase an apprentice card for individuals. Ms. Morse advised she will have to look at the ordinance to determine how it reads. Mr. Bryce Huffman asked what is the point of an apprentice card? He advised the master could write a letter for his apprentice verifying his employment if he wanted to take the journeyman's test. Mr. Berry explained like in his situation, his master passed away and he does not have a master to write the letter, however, he has his cards to prove his employment. Chairman Rains asked if a journeyman would be applicable under a state contractor. Ms. Morse advised a journeyman can purchase his own license once he passes the test. However, a journeyman can not pull a permit. Mr. Huffman advised they did all that work for continue education and they can not enforce it with state license holders. Mr. Berry advised the state statute is very specific the municipal facilities can not add any extra requirements to state contractors. The only requirement they must provide is a bond.

Chairman Rains advised Ms. Melissa Allen was asking if the board is going to adopt the NEC2020 Code in the near future and is there a need for a class. Mr. Huffman advised the State of Arkansas and State of

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Colorado updates to the current code automatically. He asked if the State of Missouri is going to enforce the code updates. Mr. Berry advised he thinks the state is still trying to establish procedures. Chairman Rains advised he will tell Ms. Allen they are nowhere near adopting the 2020 code, however, there may be some interest on a class similar that was given on the 2017 code.

Adjournment

With no other discussion reported, Mr. Scott Stone made a motion for adjournment. Mr. Keith Berry seconded the motion. With all attending Board members in favor, the Poplar Bluff Electrical Board meeting for this evening came to a close at 5:49 p.m.

Respectfully Submitted,



Ms. Irene Morse, Recording Secretary