

Electric Committee Minutes  
Monday, November 24, 2014  
5:50 pm

Attending: Aldermen Metzger, Koerber, Trantham, Heller and Frederick; Mayor Smith, Tim Birk, Shawn Kennedy, Aldermen Thomas and Notheisen, and Chuck Fissinger from BHMG.

The Electric Committee meeting was called to order at 5:50 pm by Alderman Metzger.

1. Petitions by Citizens on Non-Agenda Items. None
2. Approval of 09-09-13 Electric Committee Meeting Minutes. After review, a motion was made by Alderman Frederick to approve the minutes as presented. Motion seconded by Alderman Trantham. Motion passed unanimously.
3. Arc Flash Study. Tim introduced Chuck Fissinger from BHMG Engineering who presented a power point presentation on Arc Flash. Arc Flash, mandated by OSHA and NFPA, is the amount of energy able to be delivered to a utility. The City's old 2.4 Kv system at the power plant cannot handle the new energy for faults on the system. The City has a lot of older equipment that won't meet the current regulations. Suggested changes include:
  1. Purchase & install a new 5 MVA transformer.
  2. Generators 2,3,5, and 6 – take out of service and disconnect (this is less than 1,500 kw)
  3. Reconfigure generator 4 to be stand alone.
  4. Reconfigure generator 1 to be stand alone.
  5. Purchase 5 MVA transformer and install generator 7 and 8 to it.The contracted price to accomplish this is estimated at \$600,000, however Tim thinks this could be accomplished in-house around \$450,000. This is labor intensive project and it is hard to get a good estimate right now on a transformer because the copper pricing is fluctuating. We will also look at getting a rebuilt transformer from Soloman for the emergency use only generators. There is currently \$350,000 in this year's budget, so Tim would like to purchase some materials for this project in the current fiscal year. After further discussion, Alderman Koerber made a motion to approve the project for the reconfiguration to conform with the arc flash; seconded by Alderman Heller. Motion passed unanimously.
4. Comments. Alderman Koerber inquired about the outage the other week. Tim responded that one of the breakers opened and they had to replace a fuse. The outage was about an hour. Tim also reported that they had a few calls from residents requesting that their trees be trimmed. Alderman Heller made a motion to adjourn; seconded by Alderman Trantham. Motion passed unanimously. Meeting adjourned at 6:35 pm.