



May 3, 2016

Mr. Jason Bird  
Superintendent of Electric Operations  
Rochelle Municipal Utilities  
700 West Second Street  
Rochelle, IL 61068

Ref: 1502 – CHS Voltage Regulator  
Voltage Regulator Recommendation

Dear Mr. Bird:

CHS has approached the City several times over the last few years regarding their concerns of the primary voltage the City is providing to their facility. CHS and their consultants have met with the City and BHMg to discuss the possible solutions to increase the facilities voltage. Based on these meetings, the best immediate solution for the City and CHS is to provide voltage regulators that will be installed at the CHS facility.

The City requested proposals from GE, ABB, Siemens, and Cooper Power Systems for the three (3) pad-mounted voltage regulators. Cooper Power Systems was the only vendor to submit a proposal based on the fact that they are the only manufacturer that offers pad-mounted regulators. The other vendors offered to submit proposals for substation regulators that would be required to be installed in an on-site substation. Based on the limited space on the CHS property and the safety concerns with an on-site substation, it is BHMg Engineers' recommendation to only consider pad-mounted regulators.

Cooper Power Systems offered several different options in their proposal for the specific configuration of the regulator. After reviewing this proposal with Jason Bird, it was decided based on lead-time and operational functions that the City would prefer three (3) single phase voltage regulators with a multi-phase controller. This configuration has a cost of \$104,058.00.

The lead-time on this equipment is 16 weeks from receipt of order. Based on this lead-time, the City will need to order soon to be able to complete the installation during the CHS Fall outage.

It is the recommendation of BHMg to accept the proposal from Cooper Power Systems for the three (3) pad-mounted voltage regulators. With the City's approval, release, and financial approval; BHMg can assist with issuing a purchase order.

Should you have any questions concerning the proposal or the project, please do not hesitate to contact me.

Sincerely:

**BHMg Engineers, Inc.**

A handwritten signature in black ink, appearing to read 'Lukas Pirok', written in a cursive style.

Lukas Pirok, P.E.