

April 7, 2023

Ms. Karyn Rittenhouse
 Water System Superintendent
 City of West Allis
 7525 W Greenfield Avenue
 West Allis, WI 53214

Re: 96th Street Pump Station – Electrical Alternatives Analysis

Dear Ms. Rittenhouse:

We greatly appreciate the opportunity to present this proposal to perform consulting services for you to investigate the inclusion of a generator and transfer switch at the 96th Street Pump Station.

Donohue understands that the existing station contains dated electrical distribution equipment, is without back-up power and the City owns the medium voltage transformer south of the station, both creating reliability concerns for the City. Donohue has extensive generator design experience as demonstrated in the map to the right.

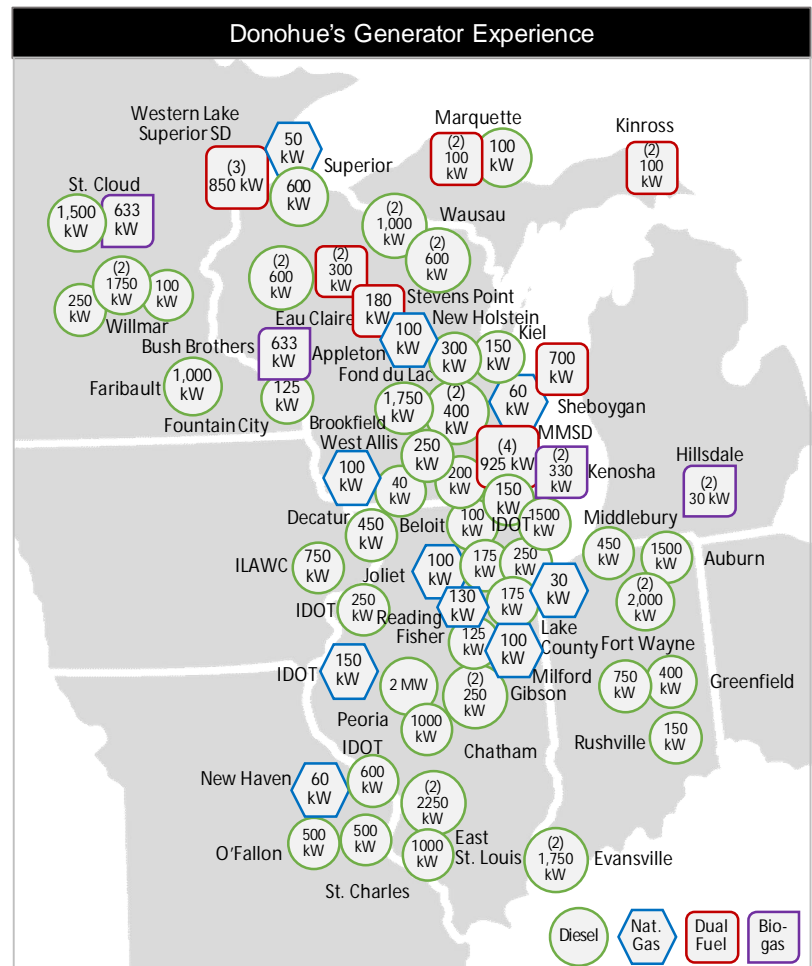
The facility's main power is fed from a substation style transformer located on the south side of building. Power is transformed to 480 volt and terminates in a switchboard assembly within the building. The assembly powers three pumps located in the building and a bypass pump located in a vault on the south end of the property.

Scope of Services

Donohue will provide the following services:

Data Review and Recommendations

- Attend kick-off meeting at facility
- Review the provided facility electric bills
- Review the power supply from WE Energies and size generator
- Determine open versus closed transition transfer scheme
- Determine location of new generator and transfer switch



Alternatives Analysis

- Provide pricing for natural gas generator; provide comparative diesel generator pricing and associated lead times for each for comparison purposes
- Determine cost of generator and transfer switch addition; scope assumes equipment will be located outdoors with new service from the existing transformer
- Determine the cost associated with transferring ownership of the transformer to the electric utility; convert the site to a more traditional arrangement with the electric utility owning infrastructure to the electric meter cabinet
- Determine the added cost to replace the electrical distribution equipment in the building
- Provide a technical memorandum summarizing the findings, opinion of probable construction costs, and estimated lead times
- Attend review workshop to determine path forward (intent is City Electrical Inspector will be present)

Project Timing

Donohue will deliver reviewable bidding documents within six (6) weeks following the Kick-off Meeting.

Compensation

Compensation for the work as defined in the Scope of Services of this proposal shall be in accordance with Donohue's standard chargeout rates in effect at the time the Services are performed. The total cost for these basic Services will not exceed the amounts below without prior written approval from City.

Total \$7,900

We look forward to collaborating on this project.

Sincerely,



Michael Stohl, PE, Client Team Leader
920.803.7345