



Agenda Memo

Crest Hill, IL

Meeting Date:	November 24, 2023
Submitter:	Ronald J Wiedeman
Department:	Engineering
Agenda Item:	A Resolution for a Professional Services Agreement for a Four-Year Water System Generator Replacement Program-Design Services by and Between the City of Crest Hill, Will County, Illinois and Strand and Associates, Inc. in the amount of \$202,000.00.

Summary: Staff is looking to put in place a four-year water system generator replacement program. Well numbers 1, 7, 10, 11 and 9/12 have old and inefficient generator while there are no generators at wells 4 and 8. The existing generators need replacement. During a recent review of the generators the following have been found.

- The mufflers are severely corroded,
- The doors and base are corroded,
- The interior generator paint is peeling
- The interior generator components are corroded.
- The well 11 generator recently had issues of not running properly due to a defective gas regulator.

Even though the city will be switching to a new water supply after 2030 our wells will need to be ready to be put into service if an emergency occurs. These generators are an important part of the operation of the wells.

The plan is to go out early 2026 for the procurement of 7 generators. Once we have procured the generators the installation of the new generators will be completed over a 4-year period where we would target installation at a rate of 2 each budget year.

Staff would like to get the consultant moving on the design and preparation of the procurement and bid and contract documents. Attached is an agreement from Strand & Associates to provide professional design services for this scope of work.

These services will include the following:

- Attend project coordination meeting.

- Gather and process a topographic survey of each location.
- Prepare generator sizing calculations.
- Perform project utility coordination.
- Preparation of Plans and Specifications and Construction Estimates for up to 4 separate bid packages.
- Prepare procurement specifications and assist in review of the quotes received.
- Quality Assurance/Quality Control
- Project Administration and Management
- Provide support during the bidding process.

Construction Engineering has not been negotiated at this time, but will be once the project is ready for bid. Once the construction engineering scope and fee are determined, an agreement will be presented to the City Council for review and approval.

Recommended Council Action: A Resolution for a Professional Services Agreement for a Four-Year Water System Generator Replacement Program-Design Services by and Between the City of Crest Hill, Will County, Illinois and Strand and Associates, Inc. in the amount of \$202,000.00.

Financial Impact:

Funding Source: Water Fund

Budgeted Amount: \$115,000.00, See Note 1

Cost: \$202,000.00

Note 1: To cover shortage will need to complete an internal transfer from account no. 07-06-5331 in the amount of \$100k:

Attachments:

Resolution-Generator Replacement Wells

Exhibit A- Four-Year Water System Generator Replacement Program.