



Agenda Memo

Crest Hill, IL

Meeting Date:	1/30/23
Submitter:	Mark Siefert, Director of Public Works
Department:	Public Works
Agenda Item:	Recommendation to enter into an agreement with Strand for an emergency well transition plan and the source water protection plan

Summary:

This proposed contract would cover two items that are coming on the horizon, one mandated by the IEPA and the other for when the switchover to Lake Michigan water takes place.

When the City of Crest Hill switches to Lake Michigan as its source water, the 8 wells that the city currently manages will need to be switched from a primary role to a back up role. As a primary source of water, they need to have iron filtration, and primary and secondary chemical addition. When the wells switch over to the back up or emergency roll, they will only need to have chlorine added if they are ever turned on. Since the iron filters, and secondary chemicals will not be needed they will need to be removed, and piping and SCADA changes will need to occur. Also, the piping for the wells will need to be changed to allow for monthly flowing of each well. Each well needs to be flowed monthly for bacterial testing even as an emergency backup well. Most importantly the well pumps and motors themselves will have to be changed out to pump directly to the water distribution system instead of pumping to the iron filter like they do now. This plan would cover and set up a plan and give cost estimates on how the city would be able to accomplish all of this.

The second part of this contract is the Source Water Protection Plan. The IEPA has mandated that:

b) A community water supply in existence as of July 26, 2019, must develop and submit to the Agency for approval a source water protection plan within the following time frame after July 26, 2019:

1) within 3 years, for a community water supply serving a population greater than 50,000 persons;

2) within 4 years, for a community water supply serving a population of greater than 3,000 but less than or equal to 49,999 persons; or

Strand would submit this report by July 26, 2023 on behalf of the City of Crest Hill which would include preparing a map and sources of all potential pollution, and preparing a Source Water Protection Plan for submittal to the IEPA.

Recommended Council Action:

To enter into an agreement with Strand and Associates for a NTE contract of \$77,900 for an emergency well transition plan, and source water protection plan.

Financial Impact:

Funding Source: Water

Budgeted Amount: \$380,000

Cost: \$77,900

Attachments:

Strand Contract