



## LOWER PLATTE SOUTH natural resources district

3125 Portia Street | P.O. Box 83581 • Lincoln, Nebraska 68501-3581  
P: 402.476.2729 • F: 402.476.6454 | www.lpsnrd.org

Agenda Item #11

### Memorandum

**Date:** April 9, 2020  
**To:** Each Director  
**From:** Paul D. Zillig, General Manager  
**RE:** Water Resources Subcommittee Meeting Minutes.

The Water Resources Subcommittee met via video/teleconference at 5:30 p.m. on Monday, April 6, 2020. Subcommittee members participating included Bob Andersen, Karen Amen, Greg Osborn, David Landis, Chelsea Johnson, Vern Barrett, and Dan Steinkruger. Others accessing the meeting included Larry Ruth, Gary Hellerich, Kathy Hauschild, Nathan Kuhlman, Katie Cameron, Dick Ehrman, Maclane Scott, Chris Witthuhn, Dan Schulz, Mike Murren, David Potter, Jared Nelson, and myself.

Chair Andersen opened the meeting and called on Katie Cameron to present the proposed actions related to the Eastern Nebraska Water Resources Assessment (ENWRA). Cameron first reported that the ten NRDs are accomplishing a lot working together on this project along with the University of Nebraska Conservation & Survey Division (UNL CSD), the United States Geologic Survey (USGS) and a private consultant Aqua Geo Frameworks, LLC (AGF). Cameron reported on the attached four agreements related to the Nebraska GeoCloud project. prior to the Subcommittee taking action.

Cameron reported that the ten NRD Interlocal for the NEBRASKA GeoCloud (NGC) project needs to be extended two years, the cost to the participants will remain the same. It was moved by Steinkruger, seconded by Osborn, and unanimously approved by the Subcommittee to **recommend the Board of Directors authorize the General Manager to sign the Nebraska GeoCloud Interlocal Cooperative Agreement.**

The Subcommittee then discussed a two year extension of the agreement with UNL CSD to host the Nebraska GeoCloud project at a cost of \$94,100. It was moved by Barrett, seconded by Steinkruger, and unanimously approved by the Subcommittee to **recommend the Board of Directors authorize the General Manager to sign the Nebraska GeoCloud Sub-agreement with the University of Nebraska Conservation & Survey Division.**

The Subcommittee then considered the AEM Data Integration and Bedrock Mapping Project agreement with USGS, which extended the agreement two years at an additional cost of \$8,500. It was moved by Amen, seconded by Barrett, and unanimously approved by the Subcommittee to **recommend the Board of Directors authorize the General Manager to sign the Nebraska GeoCloud Sub-agreement with the United States Department of the Interior – Geologic Survey.**

The final of the four Nebraska GeoCloud agreements was to contract with Aqua Geo Frameworks for an additional \$7,200 of services. It was moved by Steinkruger, seconded by Barrett and unanimously approved by the Subcommittee to **recommend the Board of Directors authorize the General Manager to sign the Nebraska GeoCloud Sub-agreement for Professional Services with Aqua Geo Frameworks, LLC.**

The next two agreements related to extending ENWRA for an additional two years. A copy of those agreements are attached. The first agreement is between the six partnering NRDs to extend the Coordinator position. It was moved by Barrett, seconded by Osborn, and unanimously approved by the Subcommittee to **recommend the Board of Directors authorize the General Manager to sign the Eastern Nebraska Water Resources Assessment Interlocal Agreement Amendment No. 6 to continue ENWRA Coordinator services.**

The final ENWRA item was to approve an agreement with UNL CSD to extend the Coordinator position another 2 years. It was moved by Amen, seconded by Steinkruger, and unanimously approved by the Subcommittee to **recommend the Board of Directors authorize the General Manager to sign the Eastern Nebraska Water Resources Assessment Cooperative Agreement Amendment #1 with the University of Nebraska Conservation and Survey Division to provide 60 percent of the salary and benefits plus operating costs for the ENWRA Coordinator Position thru June 30, 2022.**

The next item on the agenda concerned the rehabilitation of the principal spillway at Plattsmouth Watershed Dam 7-C (see attached map). Staff reported that Plattsmouth is responsible for the routine maintenance and the NRD is responsible for the major maintenance, the rehabilitation of the principal spillway pipe is major maintenance. Murren reported that the rehabilitation required spraying a liner on the inside of the 110 foot long, 18 inch diameter pipe to re-inforce the pipe. Bids were opened last Friday and one bid in the amount of \$91,542 was received from C&L Water Solutions from Colorado. Murren reported C&L has done similar types of projects. A letter recommending approval of the bid from our engineer, FYRA Engineering, was distributed and is attached.

It was moved by Steinkruger, seconded by Osborn, and unanimously approved by the Subcommittee to **recommend the Board of Directors approve the bid of \$91,542 from C&L Water Solutions, Inc. for the Plattsmouth Dam 7-C Spillway Rehabilitation Project.**

The next item on the agenda was to consider approval of two additional utility relocation agreements required for the construction of the Upper Salt 3-A Rehabilitation/SW 2<sup>nd</sup> Street Relocation Project. The first agreement is for Norris Public Power District, a copy of the proposed agreement and two maps showing the location of the existing power lines is attached. The estimated cost to relocate the two lines is \$3,068.18. It was moved by Osborn, seconded by Amen, and unanimously approved by the Subcommittee to **recommend the Board of Directors approve the Removal and Replacement Agreement with Norris Public Power District for a power line relocation for the Upper Salt Creek 3-A Watershed Rehabilitation Project.**

The second agreement is with Windstream Communications for a line relocation on the west end of Upper Salt 3-A. Attached is a map showing the location of this utility and a copy of the agreement, there is no estimated cost at this time, it should be a minor amount. It was moved by C. Johnson, seconded by Amen, and unanimously approved by the Subcommittee to **recommend the Board of Directors approve the Removal and Replacement Agreement with Windstream Communications for a line relocation for the Upper Salt Creek 3-A Watershed Rehabilitation Project.**

The next item on the agenda was to consider a proposal to relocate and replace a hard surfaced driveway, fence, and gate system that must be moved to construct the Upper Salt Creek 3-A Watershed Rehabilitation Project. The Vergith's own the property at the southwest portion of the project and the driveway to their home will be closed during construction. Murren reviewed the attached proposal from Fulton Construction to do the required work. The subcommittee discussed the history and details of the proposal. It was moved by Steinkruger, seconded by Osborn, and unanimously approved by the Subcommittee to **recommend the Board of Directors approve the proposal from Fulton Construction to relocate and replace the Vergith driveway, fence, gates, mailbox, etc at an estimated cost of \$18,520.**

Staff also reported that Lancaster County Rural Water District No. 1 completed their cost estimate to replace nearly ½ mile of water line for the Upper Salt Watershed Rehabilitation/SW 2<sup>nd</sup> Street Relocation Project. The estimated cost is \$49,858.05. Last month the NRD entered into an agreement for LCRWD #1 to remove and replace the line. This work will begin early this summer.

The final action item was to consider a request from the City of Waverly for additional assistance with their wellhead protection efforts. Ehrman reported that Waverly continues with their pro-active approach to protecting their water supply. The NRD partnered with the nearly complete, wellhead protection study/plan. One action item identified was to establish a demonstration farm on the 60 acre well field farm owned by the City. Ehrman reviewed the attached project summary and reported that the City is requesting 50% cost-share for their \$10,000 cost of the project this year.

The subcommittee discussed the request and it was moved by Landis, seconded by Osborn, and unanimously approved by the Subcommittee to **recommend the Board of Directors approve 50% cost-share, not to exceed \$5,000 of NRD cost, with the City of Waverly for the Waverly Best Management Practice Demonstration Farm project.**

The final item were reports. Ehrman reported on the attached summary showing Lancaster County's amendments to the confined animal feeding operation (CAFO) rules (most recently for poultry applications) and highlighted those changed related to the NRD water well permitting process. Staff also updated the Subcommittee on the construction at Oak-Middle 82-B and the upcoming work to restore the top of the dam at North Oak 1-A/Wildwood.

There being no additional business the meeting adjourned at 6:50 pm.

PDZ/pz

cc: Steve Seglin  
Corey Wasserburger