

**NEBRASKA WATER SUSTAINABILITY FUND
GRANT FOR APPLICATION NO. 4124
Titled: Groundwater Management program review for Water Sustainability**

Grant amount. \$ 249,900

Project Progress

The project progress this past year has included signing the contract agreement with USGS in January 2017 to develop a CPNRD area based GW model that includes GW management regulations. The new GW model will use the USGS MODFLOW – OWHM modeling program. The USGS and CPNRD are working on Phase I of the project which is to evaluate the current COHYST2010 modeling tools to determine how it can be used to development the MODFLOW-OWHM model in phase II.

Project Activities for coming Year

The next project activities include completing COHYST2010 model review (Phase I) and start MODFLOW – OWHM model development (phase II).

Projected project expenses for remainder of project

Under this project the USGS and CPNRD expect to spend \$123,500 in FY 17, \$241,200 in FY 18, and \$212,000 in FY 19. The remaining total project expense is \$576,700 and the remaining WSF expense is \$249,900.

Reassessment of Project Benefits

There has not been any reassessment of the project benefits. We anticipate the model update for the CPNRD groundwater management plan will provide the analysis that is need to implement rules for maintaining current and futures uses of a sustainable Ground Water aquifer.