

FY 2019 NGWMN Projects

California: Water Replenishment District of Southern California

(Round 1)

The Water Replenishment District of Southern California is a current provider of WL and WQ data to the NGWMN. This project is to provide persistent data services, perform site maintenance work, and to drill a well to fill a gap in the NGWMN. Well Maintenance work is to perform slug testing at all current wells and to do site improvements at 8 wells. The new proposed well is in a groundwater recharge zone and will be completed in 6 zones.

Colorado Department of Natural Resources

(Round 1)

The Colorado Department of Natural Resources is a current water-level data provider. This project is to expand water-level sites in the High Plains aquifer, maintain persistent data services, and create and connect lithology data. About 616 sites monitored as part of the USGS High Plains study in the High Plains will be added to the NGWMN. Persistent data services work will also include the establishment of a new lithology table and setting up web services to connect this data to the NGWMN. The site information gap filling effort is to enter lithology data for the current 160 NGWMN wells into the newly created lithology database.

Florida: Suwanee River Water Management District

(Round 1)

The Suwanee River Water Management District project is to become a new data provider of water-level data for the NGWMN. The project will establish the SRWDM as a NGWMN data provider and provide one year of persistent data service.

Illinois State Geological Survey and Illinois State Water Survey

(Round 1)

The Illinois State Geological Survey and the Illinois State Water Survey work together to provide data to the NGWMN. In this project the ISGS is proposing to drill at least 5 new wells to fill gaps in the NGWMN (objective 5). The ISGS will also transfer funds to the ISWS to provide persistent data services for 1 year.

Indiana Geological Survey

(Round 2)

The Indiana Geological and Water Survey is a current water-level data provider. This project is to drill 2 new wells to fill gaps in the NGWMN. One well will complement a current shallow well with a deep well that better represents the aquifer conditions. The second well will fill a gap in the Network in an area with groundwater availability concerns. Seismic survey work will be conducted as match to site the wells in the deepest parts of the aquifer.

Iowa Department of Natural Resources

(Round 2)

The Iowa Department of Natural Resources is a current water-quality data provider. This project is to support persistent data services for 2 years. The purpose is to ensure that NGWMN data is up to date and available.

Iowa Geological Survey

(Round 1)

The Iowa Geological Survey is a current provider of water-level data to the NGWMN. This project is for one year of well maintenance activities. Specific well maintenance activities include periodic pumping of observation wells and initial hydraulic testing to establish a baseline connection at 13 wells.

Iowa Geological Survey

(Round 2)

The Iowa Geological Survey is a current water-level data provider. This project is to provide persistent data services for 1 year. The purpose is to ensure that NGWMN data is up to date and available. The agency will also begin work on upgrading services to WaterML2 and GWML2 standards.

Kansas Geological Survey

(Round 1)

The Kansas Geological Survey is a current water-level data provider. This is a two-year project to expand sites in the High Plains aquifer, support persistent data services for 1 year, and perform well maintenance activities. New sites in the High Plains aquifer are to support the USGS High Plains aquifer assessment effort. Maintenance work is redeveloping and airlifting four Trend wells to preserve good aquifer connection.

Kentucky Geological Survey

(Round 2)

The Kentucky Geological Survey is proposing to become a new data provider to the NGWMN. This project is to become a new provider in the first year of the project and to provide persistent data services for the second year of the project. Eight wells will be added to the NGWMN in this project. The Kentucky Geological Survey is expanding their water-level monitoring, so the number of wells should increase.

Maryland Department of Natural Resources

(Round 1)

The Maryland Department of Natural Resources is a NGWMN data provider through a Cooperative Matching Funds agreement with the USGS Maryland WSC. This project is to perform well maintenance activities at NGWMN Sites. This work includes a borehole camera survey to assess 42 wells and slug testing to set baseline conditions at 28 wells.

Minnesota Department of Natural Resources

(Round 2)

The Minnesota Department of Natural Resources is a current water-level data provider. This project is to drill 7 new wells (at 4 locations) to fill gaps in the NGWMN (Objective 5). This proposal was submitted during the FY 2019 first round and was not funded. The agency addressed the Program Board's concerns and resubmitted the proposal.

Missouri Department of Natural Resources

(Round 1)

The Missouri Department of Natural Resources is a data provider through a Cooperative Matching Funds program with the Missouri WSC. This proposal is to perform well maintenance activities at 10 wells. Maintenance activities include pumping 9 existing monitoring wells to verify connection to the aquifer and reconstructing an existing well.

Montana Bureau of Mines and Geology

(Round 2)

The Montana Bureau of Mines and Geology is a current water-level and water-quality data provider. This project is to provide persistent data services for 2 years. The purpose is to ensure that NGWMN data is up to date and available.

Nebraska Conservation and Survey Division

(Round 1)

The Nebraska Conservation and Survey Division is a current water-level data provider. This is a one-year project is to add High Plains water-level sites to the NGWMN. The new sites are to support the USGS High Plains aquifer assessment.

New Hampshire Geological Survey

(Round 1)

The New Hampshire Geological Survey is a current data provider to the NGWMN. This project is to add a new site to the NGWMN that will include gap filling and site maintenance at the new well. Maintenance work will also be performed at three other wells to replace protective casings to ensure the integrity of the wells. The project also provides persistent data service for the second year of the project.

New Mexico Institute of Mining and Technology

(Round 1)

The New Mexico Institute of Mining and Technology is a current provider of water-level data. This project is to provide persistent data services and fill data gaps. Gap filling will include a borehole camera survey and well depth verification at 14 wells.

North Carolina Department of Environmental Quality

(Round 1)

The North Carolina Department of Environmental Quality is a current data provider. This project is to drill additional wells to enhance the NGWMN. Two new well nests will be drilled for the area near the Virginia-North Carolina border to address interstate and coastal issues. Each well nest will consist of 4 wells completed in different major aquifers in the Northern Atlantic Coastal Plain.

North Carolina Department of Environmental Quality

(Round 2)

The North Carolina Department of Environmental Quality is a current water-level and water-quality data provider. This project is to drill a new set of wells to fill a gap in the Network. There will be 4 wells screened in different major aquifers in the Northern Atlantic Coastal Plain. This proposal was submitted during the FY 2019 first round and was not funded. The agency addressed the Program Board's concerns and resubmitted the proposal.

Oklahoma Water Resources Board

(Round 2)

The Oklahoma Water Resources board is a current water-level data provider. This project will add 93 new water-level sites and 22 water-quality sites to the Network, provide persistent data services for 1 year, conduct borehole camera surveys of 9 wells, and perform slug testing on up to 22 wells.

Oregon Water Resources Department

(Round 1)

The Oregon Water Resources Department is a current water-level data provider. This project is to add NGWMN Sites, provide persistent data services, and fill gaps at NGWMN sites. New sites will be added in the Portland Basin as an effort to build an interstate monitoring network of the Pacific Northwest Basin Fill aquifer in the area. Gap filling work involves evaluating and adding historic water-level data and reconciling their data with USGS data.

South Carolina Department of Natural Resources

(Round 1)

The South Carolina Department of Natural Resources is a current NGWMN data provider. This project is to do well maintenance activities and to drill two new wells to fill NGWMN gaps. Well maintenance work involves well-head repairs to 15 wells to secure the wells and pumping 4 monitoring wells to verify connection to the aquifer. Well drilling work is to construct two additional wells at new major aquifers to an existing site in Richland County.

Texas Water Development Board

(Round 1)

The Texas Water Development Board is a current NGWMN data provider. This project is to add wells to the NGWMN (Blaine, Rio Grande, and High Plains aquifers) and perform well maintenance activities at 8 wells with floating oil-phase produce that impact water-level measurements.

Utah Geological Survey

(Round 2)

The Utah Geological Survey is a current water-level and water-quality data provider. This project is to perform well maintenance on 8 water-level Network sites. These wells are not routinely pumped and will be pumped during this project to assess aquifer connectivity. This proposal was submitted during the FY 2019 first round and was not funded. The agency addressed the Program Board's concerns and resubmitted the proposal.

Washington State Department of Natural Resources

(Round 1)

The Washington State Department of Natural Resources is a current data provider to the NGWMN. This project is to add wells to the NGWMN in two new counties and in the Columbia Plateau Basaltic rock aquifer statewide, perform persistent data services, and fill data gaps in new wells. Gap filling work is focused on the new wells being added to the network and primarily involves entering data for these sites into the agency database.

Washington State Department of Natural Resources

(Round 2)

The Washington State Department of Natural Resources is a current water-level data provider. This project is to drill 4 new wells that will be used to collect water-level and water-quality data for the NGWMN. This proposal was submitted during the FY 2019 first round and was not funded. The agency addressed the Program Board's concerns and resubmitted the proposal.