

New Mexico Water Data Initiative Update

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<https://newmexicowaterdata.org>

In 2019, Water Data Act became statute (NMSA 1978, §72-4B). Implementation of this statute is a collaborative effort of state agencies listed below, working together to modernize how we SHARE, INTEGRATE, and MANAGE a wide range of water data.

- Convened by Bureau of Geology and Mineral Resources
- Office of State Engineer
- Interstate Stream Commission
- Environment Department
- Energy, Minerals and Natural Resources Department

Project began in 2019 with ~\$100K provided to the NM Bureau of Geology (under New Mexico Tech).

WHAT WE HAVE ACCOMPLISHED

- Structured governance and work groups (see Figure 1)
- Built initial data catalog to illuminate data and engagement (catalog.newmexicowaterdata.org)
- Designed and deployed website for further communications (newmexicowaterdata.org)
- Developed data infrastructure plan
- Data integration using SensorThings API data standard is underway
- Developing tools, dashboards, and applications to discover and use water data
- Annual reports completed every September 1 (see 2022 Water Data Plan)
- Initiated several regional pilot projects, including Pecos and Rio Grande basins
- Increased funding through philanthropy, grants and new state funding (see Figure 2)

NEXT STEPS

- Need to build funding for state agencies for short and long term staffing needs and to improve technical skills
- Internal agency data management in some cases is further behind than expected, need significant upgrades to modernize
- Reduce paper data transfer
- Address data gaps – especially groundwater / aquifers and water use data



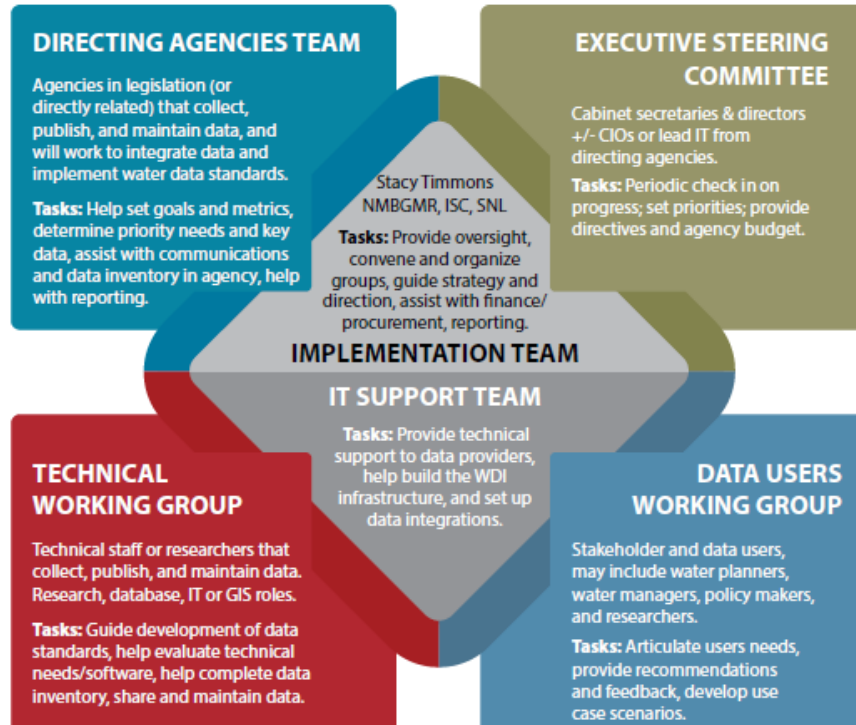


Figure 1. Governance structure for NM Water Data Initiative.

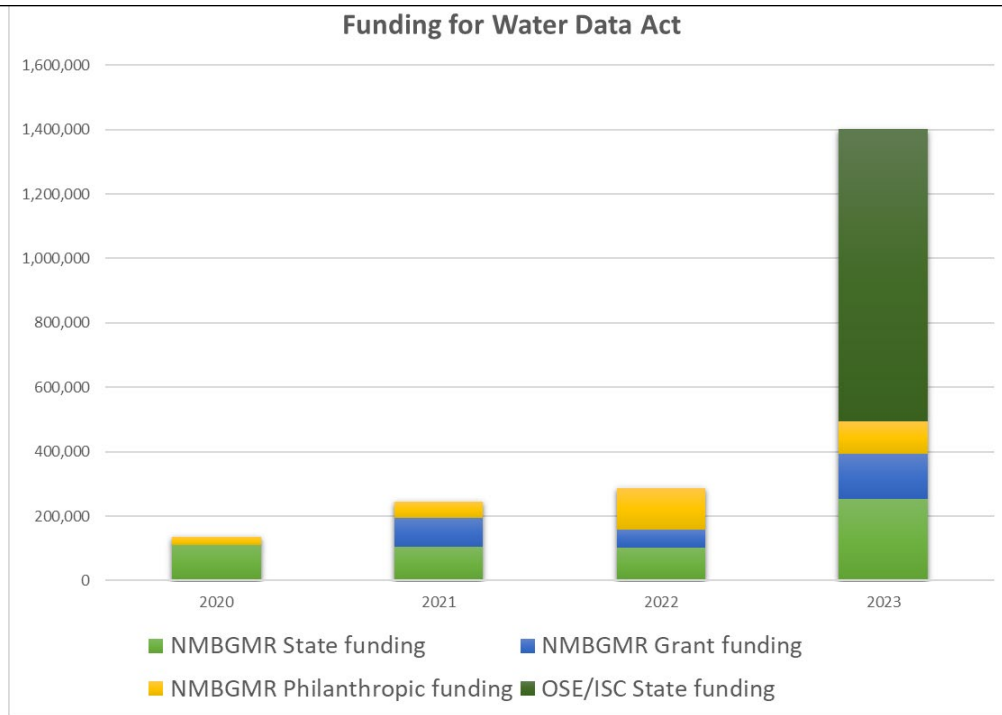


Figure 2. Total funding for NM Water Data Initiative to date, including recurring and non-recurring funds. Funding goals identified on pages 7-8 of the 2022 Water Data Plan aim for \$2.65M in recurring funds for all agencies and \$6.5M for non-recurring funding.

