FY 2022 EXCHANGE NETWORK GRANT PROGRAM AWARDS
Office of Mission Support
U.S. Environmental Protection Agency
FY 22 Grants

Recipient Name	Total Number of Awards	Total Amount of Awards
States	24	$5,111,717.00
Tribes	8	$1,840,946.00
Territories	1	$197,356.00
All Recipients	33	$7,150,019.00

Grant ID	Recipient Name	Project Description	Award Amount	Award Date
		STATES / INSTRUMENTALITIES OF THE STATE		
BG96464622	**Alabama**-Department of Environmental Management	The proposed project seeks to develop and implement data exchange between the National RCRA Info Database and a contact developed database system. This process will utilize and build upon the ADEM Web Portal and a contract developed database system, both of which were developed from previous exchange network grant awards. The project goals including analysis and planning to support the development of data exchange from the Alabama Environmental Permitting and Compliance System (AEPACS) to RCRA Info to increase program efficiency and effectiveness, to prefill historical data into AEPACS, and to implement the data exchange between the two entities.	$151,501	10/14/2022

84050901	**Arizona**- Department of Environmental Quality	Arizona DEQ seeks to Streamline and implement an e-reporting tool for Large Municipal Separate Storm Sewer System (MS4) permittees to submit their Discharge Monitoring Reports (DMRs). E-reporting lowers burden for permittees and regulators; improve data quality, availability, timeliness; and ultimately improves compliance enforcement. Project goals include developing an online application to allow Large MS4 permittees to submit Discharge Monitoring Reports (DMRs). Data will flow into core systems that will be shared between programs.	$199,875	10/11/2022
84051501	**Arkansas**- Arkansas Division of Energy and Environment	The Arkansas Division of Energy and Environment seeks to incorporate the numerous Access and SQL databases into their Environmental Management System (EMS) so that legacy databases can be phased out and information can be readily shared and available for consumption in multiple forms to multiple users across the agency. Goals include incorporating the permit data system and incorporating auxiliary databases.	$200,000	11/15/2022
84050501	**California**- State Water Resources Control Board	California State Water Resources Control Board will enhance existing and new data flows by routing them through VES instead of the California Environmental Protection Agency's (CalEPA) physical node, develop a Limit and Monitoring Requirement Extraction Tool that generates xml codes based on NPDES Permit requirements that will be flowed to USEPA's System (ICIS), create the flow for sanitary sewer overflow data as required by the eReporting Rule, and conduct an audit of the cradle to grave data exchange process.	$190,000	8/7/2022
84052001	**Colorado**- Department of Public Health and Environment	The proposed project seeks to allow the environmental divisions of the Colorado Department of Public Health and Environment to further modernize their permitting system by creating a cloud hosted solution for the electronic submission of environmental permits and their associated data. Project goals include modernizing the collection and processing of water permits and associated data.	$199,757	11/15/2022

84051401	**Delaware**-Department of Natural Resources and Envrionmental Control	The Delaware Department of Natural Resources and Environmental Control proposes creating an enterprise view of Sanitary Sewer Overflows (SSOs) in Delaware. SSOs pose a significant environmental and public health concern. Yet across the State the status of SSO's and the relevant data associated with them is incomplete. Better data, shared broadly, will inform environmental decisions, expand the effectiveness of sewer rehabilitation and maintenance programs and provide transparency and awareness for all State residents. The goals of this project are to establish a comprehensive wastewater collection system including the clear identification of known SSO's and their proximity to waterbodies and an accessible, electronic solution for reporting and data collection to establish a central, relational database.	$199,398	10/25/2022
84051201	**District of Columbia**-Department of Energy and Environment	The DC Department of Energy and Environment seeks to restructure and add features to an online Quickbase application that handles the compliance, enforcement, and workflow of multiple stormwater management regulatory and incentive programs. If successful, funding from this EN grant will enable DOEE to improve operational efficiency, to enhance program evaluation, monitoring, and policy-making capabilities, and to provide greater data access, transparency, and usability to various stakeholders.	$200,000	12/13/2022

84050401	**Hawaii**- Department of Health	The proposed project will allow the Hawaii Department of Health to centralize environmental health information to allow EHA staff to connect cross-program complaint, investigation, violation, enforcement, and incident environmental interest data for improved compliance, enforcement, and support of emergency response. Project goals include the development and implementation of innovative shared services for the accessibility and querying of complaint, investigation, violation, enforcement, and incident event data and providing related environmental interests geospatially. Prioritized data sets include complaint and enforcement records from Clean Air, Clean Water and Solid Waste Systems and Incident Sample Event Data from the Navy Drinking Water System Incident.	$200,000	8/30/2022
84052501	**Kansas**- Kansas Department of Health and Environment	The proposed project seeks to modernize the Kansas Department of Health and Environment's data warehouse, rebuild attendant functions, capture additional environmental data, and improve timely upload to WQX as well as increased access to data through web map applications. The goals of this project include ensuring clean and safe water for communities through providing higher quality water data.	$200,000	11/1/2022
84052601	**Kansas**- Kansas State University	Kansas State University seeks to work with five tribes experienved with a variety of site data management systems, to create ways to easily obtain, consolidate, analyze and share environmental land and facility data, for internal Tribal effective environmental decision making with password protected accounts, and to share select subsets of that data for funding applications and reporting purposes. The project goals are to establish application program interfaces (APIs) to move data of choice in and out of a centralized node/database to and from existing open source Tribal analytical tools and publicly available data, and to work with participating Tribes on proofs of concepts.	$400,000	10/17/2022

BG-00D21423	**Kentucky**- ENERGY AND ENVIRONMENT CABINET	The KY Energy and Environment Cabinet seeks to implement a proven software to streamline and modernize electronic permitting and reporting data that can be used by both the public and the agency for reporting to EPA. EEC eForms migrates data into TEMPO to reduce the business and administrative burden of the agency. The project will also create more effective partnerships by using both TEMPO and EEC eForms which provide software solutions used by many other regulatory agencies that have a proven track record and success implementing these products. Furthermore, successful completion of this project is anticipated to lead to the following environmental results: improved water quality by improving permit/compliance reporting and analysis of this data.	$200,000	2/1/2023
84052201	**Missouri**- Department of Natural Resources	The proposed project will aid and enhance the Missouri DNR's transition to SDWIS Modernization by moving towards web services for retrieving data as needed. The grant would pay for a Safe Water Information Management Reports Web software to replace the currently used SWIMR Central application. Missouri would also implement the upgraded version of Safe Water Consumer Confidence Reports. In addition to the initial purchase, the grant would also be applied to the first two years of maintenance costs on the product.	$56,403	11/30/2022

84052901	**Montana**- Department of Environmental Quality	The proposed project seeks to implement e-reporting infrastructure for collecting public water supply data and information. MTDEQ will reduce its data collection burdens by implementing a public water supply compliance-based e-reporting and integrating with federal systems including SDWIS. The Public Water Supply Web Based Infrastructure Implementation PWSWII project improves data consistency by transitioning MTDEQ to the use of web services for public water supply data collection and reporting. The use of web services to provide up-to-date public water data ensures data is reported consistently and is useful to other regulatory jurisdictions and the public. Goals include expanding e-reporting capabilities, increasing data access and availability, and providing up-to-date drinking water information and requirements quicker, thereby improving environmental protection.	$200,000	11/14/2022
84051001	**Nevada**- Division of Environmental Protection	The Nevada DEP will develop a database with web access for permittees, the public and EPA to information from the Underground Injection Control (UIC) program, eliminating paper submittals of all NDEP UIC permit applications and monitoring reports.	$200,000	9/23/2022
84050701	**Nevada**- Nevada System of Higher Education Western Nevada College	Western Nevada College seeks to further expand the technical and mapping capabilities of GreenBiTracker (GBT) to enable green business programs across the nation to better identify Environmental Justice Communities and to better provide services to them. The project goals are to reduce emissions by providing information on Green Business Programs nationally, promote environmental justice, detect violations and propote compliance, and ensure chemical and pesticide safety.	$400,000	10/27/2022

84050301	**New Hampshire**- Department of Environmental Services	New Hampshire Department of Environmental Services seeks to expand the use of the upgraded State and Local Emissions Inventory System (SLEIS) to allow for automatic updates of facility-related data; to allow regulated sources to submit air emissions data directly into SLEIS online; to generate invoices for emission fees; and to establish a platform to be able to accept electronic payment of emission fees. Project goals include allowing for collection and submission of timely and accurate emissions data, modernizing NHDES' emissions reporting system by incorporating facility-related data and emissions data from sources into SLEIS, and providing a platform for online submittal of emissions data; data review; and direct transmittal of data to EPA.	$157,788	12/21/2022
84051301	**North Dakota**- Department of Environmental Quality	North Dakota Department of Environmental Quality seeks to implement a software tool that would allow both the Groundwater Protection Program and the Watershed Management Program areas to electronically capture field data and then upload the data to the respective program data system. The project would also streamline and automate the upload of lab analytical result data associated with the field samples into the respective program data systems. Goals include electronic collection and transfer of field data for groundwater and surface water monitoring programs. Additionally, implementing software to streamline transfer and upload data from labs to respective groundwater and surface water data systems.	$200,000	11/8/2022

84052101	**Oklahoma**- Oklahoma Water Resources Board	The proposed project will 1) Implement direct import of certain NARS mobile app outputs into OWRB's re-used data management system, 2) Streamlining and improving water quality monitoring data capture, management, and analysis capabilities in our re-used water quality data management shared platform, 3) Implement data management and data sharing improvements and support for NALMS re-used data management system, and 4) Implement data capture and data sharing improvements and support for NALMS re-used mobile app.	$394,200	12/8/2022
84052401	**Pennsylvania**- Department of Environmental Protection	The proposed project first seeks to enhance the Pennsylvania DEP's ATTAINS data flow tool. The second goal is to enhance DEP's WQX tool to add addition biological, physical habitat, and metric data not previously transferred. The third goal is to deliver an approach document for DEP's Water Quality Program outlining data/sensors integration with existing systems and recommending a pathway to publish these data and metadata in open formats.	$199,898	9/21/2022
84050801	**Rhode Island**- Department of Environmental Management	This proposed project seeks to create remote access to business and environmental data RIDEM OAR is increasingly facing pressure to meet their mission while reducing costs, increasing technology, and deliver faster outcomes. Remote access to data will help improve environmental decisions by making the data more open, interoperable, and readily usable. Specifically, the goal of the project is to improve access to information through the creation of an electronic file database for regulated entities documentation currently stored in paper files. The electronic files will be searchable and readily available to remote staff, federal partners, field inspectors, and interested users. Goals include improving compliance assurance data management and develop a categorized searchable electronic database.	$200,000	9/13/2022

84052301	**Utah**- Department of Environmental Quality	This project seeks to modernize the Utah DEQ Tier 2 Submission Portal by developing an Application Programming Interface (API) and an updated Submission Portal that will allow future functionality for analyzing and sharing Tier 2 data, decrease submission errors, and allow the integration of Tier 2 data into multiple applications and software endpoints. The API will also enable Tier 2 facility reports to be accessed directly from the UDEQ Interactive Map and will allow Local Emergency Planning Committees to access Tier 2 facility information for both enforcement and emergency response planning. Goals include advancing environmental justice, enforcing environmental laws and ensuring compliance, reducing waste and preventing contamination to revitalize communities, and to ensure chemical safety for people and the environment.	$181,500	12/14/2022
84051601	**Washington**- Department of Health	The Washington State's Department of Health Office of Drinking Water will migrate from its in-house data system to the EPA contractor supported data system used across the country, SDWIS-State. The project is centered around a major data migration effort. The project will include a full gap analysis, transition plan, compliance systems data mapping, identifying and completing data clean up, migration to SDWIS-State, and training.	$200,000	11/8/2022
84051901	**Washington**- State of Washington Pollution Liability Insurance Agency	This Washington State Pollution Liability Insurance Agency seeks to transparently and effectively track petroleum contaminated land that is not assigned a parcel number and cannot currently be managed using deed restrictions. Its completion will also ensure that cities, counties and other state agencies can easily and efficiently look up petroleum contamination on non-parceled land, such as rights-of-way and easements that may impact road or other infrastructure projects and identify the party responsible for its cleanup and coordinate the cleanup with other ground-disturbing activities.	$181,397	12/21/2022

84051801	**West Virginia**-West Virginia Department of Environmental Protection	The West Virginia Department of Environmental Protection's goal is to develop an online application to electronically report injection well inventory, permitting, and mechanical integrity testing data and to gather data for transfer to the EPA. This will result in streamlining and modernizing the collection, reporting, transmitting, and sharing of environmental data for the UIC program while addressing the business needs for increased accuracy and timeliness of data submission, increased compliance with regulations and ultimately a successful UIC program that will protect current and future underground sources of drinking water from contamination.	$200,000	11/1/2022
TRIBES/ INSTRUMENTALITIES OF THE TRIBE				
BG-01J29402-3	Tribe, Region 10-**Jamestown S'Klallam Tribe**	The Jamestown S'Klallam Tribe will design and develop hardware and software solutions to improve the efficiency of key processes that support self-governance and environmental programs, particularly in the areas of environmental data collection, analysis, archiving, and uploading; development and implementation of surface water quality standards; document and report sharing; streamlining EPA processes, climate change adaptation; and tracking and reducing greenhouse gas emissions.	$200,000	12/28/2022
84050601	Tribe, Region 10-**Northwest Indian Fisheries Commission**	The proposed project will upgrade the Northwest Indian Fisheries Commission's existing Water Quality Exchange system called Tribal Water Quality Data Exchange (TWQD) to align with the new WQX 3.0 schema definition. This will bring the existing exchange up to the current EPA standards.	$261,888	12/27/2022

BG-01J95401-3	Tribe, Region 10- **Port Gamble S'Klallam Tribe**	The proposed project will consolidate all the Port Gamble S'Klallam Tribe's spatial data and create an accessible, user-friendly front-end for the Port Gamble S'Klallam Tribe (PGST). If successful, this application will allow us to save time and resources by preventing the duplication of existing data, streamlining the environmental review process for projects, connecting all Tribal government departments to a common data repository, and making GIS data access and analysis easier for Tribal employees.	$200,000	12/21/2022
BG99267205-3	Tribe, Region 2- **Saint Regis Mohawk Tribe**	The Saint Regis Mohawk Tribe seeks to meet their identified business and administrative needs by providing the tribal community with on demand access to environmental mapping data while reducing administrative costs associated with delivery of map data. The project goals are to I-Develop and implement a framework for an online tribal mapping portal and 2-Support tribal community based and informed environmental decision making through access to mapping and visualizing tools.	$184,433	1/4/2022
84051701	Tribe, Region 10- **Shoshone-Bannock Tribes of the Fort Hall Reservation**	The Shoshone-Bannock Tribes propose to build tribal capacity to modernize processes and tools for data collection, storage, visualization, and sharing. Goals of this project are to build tribal capacity to add electronic data collection tools and processes that will streamline and modernize data entry, transfer, storage, and sharing capacity. The ability to streamline the collection process, while populating an interactive data-rich website and flowing information to regional repositories will improve the Tribe's ability to share information across our programs while facilitating cross-jurisdictional data comparisons and exchanges to inform regional decision-making processes.	$194,625	12/14/2022

84052701	Tribe, Region 8- **Standing Rock Sioux Tribe of North & South Dakota**	The Standing Rock Sioux Tribe will further expand the capabilities of the tribal consortium to have a more streamlined flow of data to the exchange network by developing a mobile app for field data and also providing training resources for tribes to build capacity as a consortium and as individual tribal programs.	$400,000	12/7/2022
84052801	Tribe, Region 3- **Upper Mattaponi Indian Tribe**	The proposed project will enable the Upper Mattaponi Indian Tribe to employ water quality monitoring, develop Quality Assurance and Quality Control procedures to support high quality data, build services for automated data submission, and build tribal capacity through training and mentoring. The proposed project will also allow the Tribe to iteratively adapt and revise their current efforts to develop a monitoring plan and data management plan and build technical capacity for continued use and maintenance of the tools developed in the project.	$200,000	11/1/2022
84051101	Tribe, Region 9- **White Mountain Apache Tribe of the Fort Apache Reservation**	The White Mountain Apache Tribe will develop a centralized and consolidated GIS and Integrated Environmental Data Systems department. This capacity-building project will enable consistent, accurate, and timely data sharing in our monitoring, and reporting.	$200,000	12/13/2022
TERRITORIES				
M00906319	**Guam-** Environmental Protection Agency	This project addresses an important expansion of Guam EPA's existing digital exchange network platform, which was built in part with previous EN grants, to enable full paperless permitting for all of the development permits GEPA administers, and to bring digital permitting and e-reporting capabilities to GEPA's UST/LUST program, linking it to US EPA's LUST4 and UST Finder systems.	$197,356	9/27/2022