FY 2021 EXCHANGE NETWORK GRANT PROGRAM AWARDS
Office of Mission Support
U.S. Environmental Protection Agency
FY 21 Grants

Recipient Name	Total Number of Awards	Total Amount of Awards
States	36	$6,930,121.00
Tribes	11	$2,746,325.00
Territories	0	$0.00
All Recipients	47	$9,676,446.00

Grant ID	Recipient Name	Project Description	Award Amount	Award Date
		STATES / INSTRUMENTALITIES OF THE STATE		
BG96464621	**Alabama -** Department of Environmental Management	Analyzing and planning to increase program effectiveness and efficiency by configuring an electronic permitting and compliance system for the ADEM Air Division; configuring electronic forms and processes to increase efficiency of submissions of permit applications and compliance reports; and retaining data required for submission to ICIS and establish a more streamlined approach to submitting data to ICIS.	$200,000	2/18/2022
84028401	**Arizona -** Department of Enviornmental Quality	Developing a web-based application to receive permit applications and manage well inventory and transmit the data to the National UIC Database.	$200,000	8/20/2021

84027601	**Arkansas -** DFA Division of Environmental Quality	Improving OWQ data management and integrity; and improving field staff technology to complete their work in the field.	$200,000	8/25/2021
84001008	**Arkansas -** Natural Resources Commission	Meeting all data and reporting requirements; and ensuring compatibility with EPA SRF database.	$12,000	9/20/2021
84029901	**California -** Air Resources Board	The California Air Resources Board proposes to develop a public-facing web application called the Technology Clearinghouse. Grant funds will be used to support the transition from locally installed code tables to Exchange Network web services as the authoritative source of Source Classification Codes and AP-42 emission factors, use FRS Query web services to integrate FRS data into the Clearinghouse, and develop a strategy to prepare for automated electronic reporting of control technology determinations from CARB's Technology Clearinghouse to EPA beginning in 2024. Project benefits include promoting the identification of technology gaps and facilitating technological advancement to achieve lower emission rates and decrease cost of compliance as well as showcase innovative, community-driven strategies for reducing exposure to air pollution in disproportionately burdened areas.	$200,000	2/11/2022
84030001	**California -** Monterey Bay Unified Air Pollution Control District	Selecting and awarding a contractor; planning and developing a project schedule; designing the ICIS-Air Data Flow; developing the ICIS-Air Data Flow Extract Procedures; providing user acceptance training; and putting the Exchange Network node into production.	$97,573	9/15/2021
84028301	**Colorado -** Department of Public Health and Environment	Developing an Air Toxics Data Lake.	$197,570	8/25/2021

84030801	**Florida -** Department of Environmental Protection	Streamlining and modernizing data reporting by upgrading to the SDWIS database and CMDP for greater certainty, compliance, and effectiveness.	$200,000	8/26/2021
84031001	**Hawaii -** Department of Health	Increasing environmental interest in geospatial information accessibility; expanding electronic submittals and online services; and improving data security.	$200,000	8/23/2021
84028701	**Illinois -** Environmental Protection Agency	Consolidating, reviewing for quality (QA/QC), and submitting biological, fish-tissue, and habitat-assessment datasets to WQX; and creating a mobile application for entering field measurements offline.	$200,000	9/23/2021
84029101	**Illinois -** University of Illinois	Integrating CoolClimate calculator into GreenBizTracker; increasing EJ and economic data access and use nationally; training businesses to identify, share and understand climate data and visualize impact; and increasing equity and inclusivity through tool availability.	$400,000	9/22/2021
84028801	**Iowa -** Department of Natural Resources	Streamlining Title V compliance reporting; centralizing storage of Air Compliance Data with REST API access; and automizing ICIS-Air Data Submissions via OpenNode2 Data Flow.	$200,000	9/27/2021
84031201	**Kansas -** Department of Health and Environment	Implementing user-defined and configurable data prefill; creating dashboard metrics/environmental indicators; and establishing electronic submittal system in KOLAR for plans and reports required for UIC Operators across Class I, III and V wells.	$200,000	9/9/2021
BG-00D21421	**Kentucky -** Energy and Environment Cabinet	Configuring, installing, and implementing SLEIS; synchronizing TEMPO, and SLEIS Data; and documenting lessons learned and year 2 emissions.	$200,000	3/30/2022
84030101	**Louisiana -** Department of Environmental Quality	Creating a system to receive Title V reports in electronic format.	$124,000	8/19/2021

ID	Recipient	Description	Amount	Date
84028201	**Louisiana -** Department of Natural Resources	Optimizing WQX Data Management and Reporting System; and utilizing geographic information and multimedia to address environmental, natural resources, and human health challenges.	$200,000	9/28/2021
84029801	**Massachusetts -** Office of Coastal Zone Management	Increasing quality and quantity of external data provided to MassDEP; increasing quantity of quality-assured data uploaded to WQX; and increasing capacity for data analysis and data sharing among community-based monitoring groups.	$199,996	10/14/2021
84026801	**Montana -** Department of Environmental Quality	Collecting Emission Inventory Program requirements; collecting Emission Inventory IT requirements; customizing and testing the MTDEQ CAERS module; deploying CAERS and train regulated facility operators; transitioning from locally installed code tables to web services; and transitioning to CERS v2 Schema.	$200,000	9/14/2021
84026701	**Nebraska -** State Fire Marshal	Providing public stakeholders with open access to information on and locations of USTs; and developing standardized schema for describing UST infrastructure.	$400,000	9/27/2021
84031801	**Nevada -** Division of Environmental Protection	Development of the NDEP Database.	$200,000	8/16/2021
84029301	**Nevada -** Washoe County Health District	Developing a system for electronic reporting of air emission data from regulated facilities to AQMD.	$200,000	8/20/2021
84026301	**New Hampshire -** Department of Environmental Services	Upgrading NH SLEIS from version 1.2 to version 2.x; and updating data flow utilizing the CERS XML v2.	$82,209	9/15/2021

84030401	**New Jersey -** Sports and Exposition Authority	Automating the data ingest procedure for drone flights; developing a spatial database schema and building a searchable query interface that will accept the telemetry metadata extracted from drone imagery; developing a prototype application that leverages the spatial database and geo-registered mosaic images; and developing an archival data request system where interested parties such as researchers and intra-agency officials can submit requests for raw image data.	$199,940	10/19/2021
84027401	**New York -** Department of Environmental Conservation	Improving compliance; increasing accuracy of publicly available water quality monitoring data; and increasing accuracy of publicly available water quality assessment information.	$200,000	9/8/2021
84031601	**North Carolina -** University of North Carolina	Assessing and capturing relevant state data and evaluate how visualizations support the viable utility reserve; integrating data analysis tools with data structures and encouraging data reuse; and providing a resource guide for capturing and scaling utility data.	$200,000	8/19/2021
84026601	**Oklahoma -** Department of Agriculture, Food, and Forestry	Analyzing, designing, and implementing data and form conversion; developing e-Forms for CAFO and PFO programs; implementing ODAFF testing and AEMS staff and end user training; and deploying for online users and project evaluation.	$197,583	9/29/2021
84027501	**Oklahoma -** Department of Environmental Quality	Enhancing the SLEIS Application.	$200,000	9/28/2021
84029701	**Rhode Island -** Department of Environmental Management	Deploying the CAERS in Rhode Island; streamlining reporting by eliminating double work for facilities entering data into both air emissions inventory and TRI; and modernizing the emissions inventory reporting system to allow e-reporting of emissions data.	$200,000	9/29/2021

84031301	**Rhode Island -** Infrastructure Bank	The Rhode Island Infrastructure Bank proposes to create an interface and webservices that will facilitate automated reporting using the new EPA State Revolving Fund (SRF) Database. The requested funds will be used to prepare data and processes for this new integration and design and develop an interface in the EnABLE system to support the integration with the new EPA SRF Database. Project benefits include increased accuracy, compliance and effectiveness in accordance with EPA goals and increased efficiency and productivity of the Bank's staff.	$45,750	3/8/2022
84034301	**South Carolina -** Department of Health & Environmental Control	Training and transitioning the regulated community into CMDP; connecting state lab LIMS to CMDP via CMDP user interface; and improving data quality in SDWIS state database.	$200,000	10/7/2021
84031401	**Texas -** Commission on Environmental Quality	Determining requirements to start a transition work plan; completing a Transition Work Plan to include all requirements included in Goal 1; correctly formatting, validating, and quality checking inventory and compliance data to be ready for migration to the CMDP; migrating and populating into CMDP the required data; deploying and correctly configuring the DSE to TCEQ's Production environment; transitioning TCEQ to the CMDP and sucessfully deploying the DSE; preparing TCEQ staff to administer TCEQ's implementation of the CMDP and adopting/training external customers on CMDP; preparing laboratories and public water systems to adopt CMDP processes; creating a plan/schedule for Labs to phase out existing submission methods and adopt the CMDP; and providing these services to the SSRC.	$200,000	9/9/2021
84027801	**Utah -** Department of Environmental Quality	Developing electronic reports and surveys for Utah's solid waste facilities; and developing a public facing recycling information & data sharing mechanism.	$177,000	8/20/2021

84028501	**Virginia -** Department of Environmental Quality	Developing an Environmental Bulk Data Exchange application for direct flow of data from permitted facilities to VADEQ's Comprehensive Environmental Data System (CEDS).	$196,500	8/25/2021
84027701	**Washington -** Department of Ecology	Organizing project governance, scope, and timelines; mapping to WQX 3.0 schema and creating WQX Web import configurations; developing views and code to consume automated WQX Web API services, test, and flow data for Ecology and partners who submit federal grant and other data to EIM; and developing a Data Dashboard for EIM data managers to send and track flows to WQX Web.	$200,000	9/28/2021
84029401	**Wisconsin -** Department of Natural Resources	Creating a Waterway and Wetland Regulatory Database; and increasing the multi-directional dataflow integration between the Waterway and Wetland Database and the Water ePermitting System and Surface Water Data Viewer.	$200,000	9/17/2021

84028101	**Wyoming -** State of Wyoming	Continuing to ensure that the Wyoming UIC Program meets state and federal regulatory requirements, including requirements for primacy programs, enabling them to continue fulfilling their mission of protecting Wyoming's groundwater; realizing cost-savings by operating and maintaining one WQD DMS rather than several; providing better customer service by offering permittees a consistent permit application and reporting tool with the same sign-on and identify-proofing process and a self-service portal to track permit and compliance documents; providing better communication and information-sharing among permitting programs, leading to improved decision-making to protect environmental resources and better service to permitted facilities; increasing workflow efficiency through digital processes and data standardization and making better use of limited staff resources; supporting Wyoming DEQ's continued transition to a digital records environment, increasing accessibility and transparency to staff and the public; and reducing permitting and compliance times, ensuring robust regulatory mechanisms are in place when and where they're needed.	$200,000	9/17/2021
		TRIBES		
84026401	Tribe, Region 9 - **Big Valley Band of Pomo Indians of the Big Valley Rancheria**	Developing a strategic plan; planning and implementing a database management system; developing website and tools; and providing outreach, training, and other support activities.	$400,000	9/17/2021

84026501	Tribe, Region 9 - **Dry Creek Band of Pomo Indians**	Developing, testing, and implementing the eDMR System within a Tribal Environment; developing a strategic plan for collecting, managing, and assessing data and making the best use of available technology to support water quality monitoring of the Tribe's resources; developing websites, including website content and user tools, to inform the public of critical environmental projects undertaken or issues monitored by the applicant organization; and developing and implementing innovative geospatial tools and technologies to improve monitoring, reporting, data visualization, analysis of environmental and public health.	$200,000	9/20/2021
84028901	Tribe, Region 9 - **Gila River Indian Community**	Assessing geospatial data and data management practices; assessing and developing field and mobile application for use with GRIC field operations; developing data linkages between geospatial data and existing TRACER system; and planning for future public web and mobile applications.	$199,399	8/25/2021
84029501	Tribe, Region 9 - **Kashia Band of Pomo Indians of the Stewarts Point Rancheria, CA**	Optimizing WQX Data Management and Reporting System; and utilizing geographic information and multimedia to address environmental, natural resources, and human health challenges.	$200,000	9/29/2021
84031101	Tribe, Region 10 - **Klamath Tribe**	Implementing an interdepartmental environmental asset and workflow management visual database; and building informative project-based public websites to display environmental findings to tribal membership and the community.	$199,969	9/13/2021
84029601	Tribe, Region 9 - **Native American Environmental Protection Coalition**	Reusing and leveraging the reuse of several newly registered resources; implementing UST/LUST electronic recordkeeping and data management; and collaboratively building capacity through partnership.	$400,000	8/18/2021

84030201	Tribe, Region 6 - **Otoe-Missouria Tribe of Indians**	Reusing/leveraging the State and Tribal Air Quality System; reusing/leveraging and adapting the Fish Consumption Advisories features; and collaboratively building capacity through partnership.	$400,000	9/22/2021
00J70902	Tribe, Region 10 - **Port Gamble S'Klallam Tribe**	Improving the PGST Mobile Application "Strong Water", leading to the ability to create and store sampling templates with various parameters to the mobile application for easy use as the Tribe expands its water quality program.	$134,269	9/6/2021
84026901	Tribe, Region 9 - **Redwood Valley Little River Band of Pomo Indians**	Developing a spatial viewer; developing a data collection app; developing dashboard and webtools for TED webpages; and strategic information management plan development.	$198,718	9/28/2021
84027201	Tribe, Region 3 - **Upper Mattaponi Indian Tribe**	Developing a data management plan; and centralizing environmental data related to Tribal resource decision making.	$215,000	9/29/2021
BG00A00566	Tribe, Region 1 - **Wampanoag Tribe of Gay Head (Aquinnah)**	Developing a database management system; and developing data flow for water quality monitoring data to WQX.	$198,970	9/17/2021