

FY 2017 EXCHANGE NETWORK GRANT PROGRAM AWARDS
Office of Environmental Information
U.S. Environmental Protection Agency
FY 17 Grants

FY 2017 EXCHANGE NETWORK GRANT PROGRAM RECIPIENTS		
Recipient Name	Total Number of Awards	Total Amount of Awards
States	27	\$7,535,528.00
Tribes	4	\$1,476,592.00
All Recipients	31	\$9,012,120.00

FY 2017 EXCHANGE NETWORK GRANT PROGRAM RECIPIENTS				
Grant ID	Recipient Name	Project Description	Award Amount	Award Date
STATES / INSTRUMENTALITIES OF THE STATE				
	Alabama - Department of Environmental Management	The Alabama Department of Environmental Management proposes to create an ADEM Web Portal using Shared CROMERR Services (SCS) as the user management core; transition the AEERS application to use the new ADEM Web Portal system that will be developed in step one above; transition the Electronic Drinking Water Reporting System (eDWRS) to use the new ADEM Web Portal system that will be developed in step one above; transition the Electronic Notice of Intent (eNOI) system to use the new ADEM Web Portal system that will be developed in step one above; and transition the Electronic Discharge Monitoring Report (eDMR) system to use the new ADEM Web Portal system that will be developed in step one above.	\$300,000	9/18/2017

OS-83922001-1	Alaska - Department of Environment Conservation	The Alaska Department of Environmental Conservation proposes to add and improve tools for searching, analyzing, and displaying data in Ambient Water Quality Monitoring System (AWQMS); implement a project dashboard to provide a quick summary of data collected for a selected project; leverage the new AWQMS assessment data reporting and tracking capabilities; leverage the Water Quality Portal (WQP) Web Services from within the Alaska AWQMS instance; and streamline the flow of data from the NARS Mobile application into AWQMS.	\$229,845	9/29/2017
OS-83923301-1	California - California State University - Sacramento	The Energy-Water-Emissions Dashboard (EWED) will integrate three EN data sources and other federal data sources into a new web service and two web-based user interfaces that support integrated decision making and planning at the energy-water-climate nexus. The EWED user interfaces will include a near-real-time dashboard of power plant facility water demands and emissions, as well as advanced tools for users to perform detailed analyses and scenario development at different geographic and jurisdiction scales. the goal of EWED is to improve integration, accessibility, usability, and timeliness of complex environmental data.	\$299,699	8/24/2017
OS-83921201-1	Colorado - Department of Public Health and Environment	The CO DPHE will implement an Executive Dashboard on Permitting Related Activities; develop a standard set of API's for searching and publishing facility records; and conduct Exchange Network Training and travel.	\$296,485	8/25/2017
OS-83921801-0	Delaware - Department of Natural Resources and Environmental Control	The state will modify five databases that currently store national Pollutant Discharge Elimination System (NPDES) related data that in order to meet the requirements with Phase II of the NPDES e-Reporting Rule.	\$299,438	7/27/2017
OS-83920301-1	Hawaii - Department of Health	The Hawaii State Department of Health (DOH) proposes to implement the Compliance Monitoring Data Portal (CMDP).	\$150,000	7/19/2017

OS-83922201-1	<p>Indiana - Purdue University</p>	<p>The Purdue University proposes to enhance the dataset within Great Lakes to Gulf Virtual Observatory web application (GLTG); enhance the dataset within the Great Lakes Monitoring web application; create enhanced visualization tools on Great Lakes to Gulf Virtual Observatory (GLTG) and Great Lakes Monitoring (OLM) web apps.</p>	<p>\$295,630</p>	<p>10/24/2017</p>
OS-83921701-0	<p>Iowa - University of Iowa</p>	<p>The University of Iowa State Hygienic Laboratory (SHL) proposes to automate data transmission of drinking water test results between OpenELIS and the cloud-based Safe Drinking Water Information System (SDWIS) Prime database via the Compliance Monitoring Data Portal (CMDP).</p>	<p>\$299,672</p>	<p>8/11/2017</p>
OS-83922401-0	<p>Kansas - Department of Health and Environment</p>	<p>The KSDHE proposes to develop a web based application that receives the National Pollutant Discharge System (NPDES) eReporting Rule required information (Phase 2) from NPDES permittees, in compatible with the Integrated Compliance Information System-National Pollutant Discharge Elimination System (ICIS-NPDES) in an Extensible markup Language (XML) schema format and can upload the data via a batched system (Open Node) to EPA's ICIS; and develop a solution that facilitates the exchange of state listing and TMDL data to the EPA ATAINS's web-based application.</p>	<p>\$300,000</p>	<p>8/15/2017</p>
BG-00D21417-4	<p>Kentucky - Department of Energy and Environment Cabinet</p>	<p>The Kentucky Energy and Environment Cabinet proposes to transition from Safe Drinking Water Information System (SDWIS) State and implement SDWIS Prime; transition from existing state reporting systems/methodologies to the Compliance Monitoring Data Portal (CMDP); and to perform a gap analysis, and to design and develop software for state specific components needed for implementation of the Clean Water Act program and transferring data from these systems between the Kentucky Department of Environmental Protection (KYDEP) and the Environmental Protection Agency (EPA).</p>	<p>\$93,655</p>	<p>9/20/2017</p>

OS-83920201-1	Louisiana - Department of Environmental Quality	This project will improve the water quality assessment process and implement the Assessment Total Maximum Daily Load Tracking and Implementation System (ATTAINS) dataflow.	\$300,000	7/11/2017
OS-83922801-0	Minnesota - Department of Health	The purpose of this grant is to acquire funding to support Minnesota DoH, Drinking Water Protection (DWP) Section to: develop an interactive electronic field inspection tool (e-Inspection Tool) for Public Water System Supervision (PWSS) Sanitary Survey and Sources Water Protection Program, to rollout a DWP e-Inspection Program; use the e-Inspection device to provide to Minnesota public water systems (PWSs) onsite Compliance Monitoring Data Portal (CMDP) users training.	\$150,000	9/19/2017
OS-83921901-0	Nevada - Department of Conservation and Natural Resources	Under this project, the Nevada DEP will develop a system for electronic reporting of air emission data from regulated facilities to the DEP; Adopt and deploy the Compliance Monitoring Data Portal (CMDP) for reporting of Public Water System Data; And, modify or retool their existing Drinking Water Operator management system, Safe Water Operator Certification System (SWOGS), from an Open Database Connectivity (ODBC) connection to a system that utilizes Web Service Calls.	\$300,000	7/27/2017
OS-83920401-0	New Hampshire - Department of Environmental Services	This project will also increase the quality and availability of geospatial data for resumption of flow to Facility Registry System (FRS) and for new flows to EPA's Central Data Exchange (CDX). The project will also create a web service to support emergency planning, response, and recovery in the event of stream crossing failures during floods.	\$300,000	7/27/2017
OS-83922101-0	New Jersey - Rutgers University, Newark	To use EPA's current continuous water monitoring exchange framework to share water quality, encode air quality data, upload data to WQX, and configure data flows and test existing XML schema to upload FRS data and location via the Virtual Exchange Services to EPA's FRS.	\$299,962	9/27/2017

OS-83922301-0	<p>North Carolina - University of North Carolina at Chapel Hill</p>	<p>The project will develop a financial reporting system for water and wastewater systems in North Carolina and to facilitate integration and visualization of water and wastewater system financial data in Financial Sustainability and Rates Dashboard.</p>	<p>\$299,991</p>	<p>7/27/2017</p>
OS-83920101-0	<p>North Dakota - Department of Health</p>	<p>The North Dakota Department of Health (ND DoH) proposes to publish data using web services and build a web tool to display this data. The grant will be used for a project goal of publishing data from five program areas using web services to make the standard data sets for each program area available through an interactive map based web page in a way that is functional and easy to use for the public as well as other stakeholders.</p>	<p>\$300,000</p>	<p>7/27/2017</p>
OS-83923001-0	<p>Oklahoma - OK Water Resources Board</p>	<p>This goal expands on work underway by the MDE and the Utah Dept. of Water Quality which is enhancing AWQMS to better support management of assessment units, designated used, and assessment criteria as well as improve upon existing reports/exports that aid in assessing the level of impairment of a water body/assessment unit. This goal will add additional capability to record and flow assessment data via the EN to the new Assessment and TMDL Tracking and Implementation System (ATTAINS).</p>	<p>\$496,389</p>	<p>7/20/2017</p>
OS-83920501-2	<p>Oregon - Department of Environmental Quality</p>	<p>This project will increase the state's environmental data availability for internal and external consumption. The multisensor data set is extensively used by states, interest groups, advocacy organizations, the regulated community , and the general public. Thus the dataset will reach abroad audience, including data being cataloged data with WQX. The state is committed to packaging it product(s) for distribution to organizations who also need a similar data solution.</p>	<p>\$300,000</p>	<p>7/27/2017</p>
		<p>This project will upgrade two existing data flow (AQS and WQX) and create one new flow (Radon Mitigation), enhance a prior grant-developed Business Intelligence Component, and establish</p>		

OS-83920601-1	<p>Pennsylvania - Department of Environmental Protection</p>	<p>an open data portal for environmental data for the Commonwealth in conjunction with national on-going efforts at both EPA and CDC.</p>	\$282,584	7/27/2017
OS-83925401-1	<p>Rhode Island -Department of Environmental Management</p>	<p>The proposed project will expand RIDEM's capacity to exchange environmental data through the Exchange Network by establishing two new data flows. More specifically, it will assist the RIDEMOWR in addressing two priority needs: (1) updating an outmoded database in order to develop and initiate a new data flow for the Underground Injection Control Program and (2) transitioning to ATTAINS for tracking and reporting water quality assessment results. The resulting improved capacity to exchange data in these program areas will result in more efficient business processes that reduce reporting burdens and facilitate timely public access to the data.</p>	\$300,000	7/27/2017
OS-83922601-1	<p>South Carolina - Department of Health and Environmental Control</p>	<p>This project will adopt and deploy the Compliance Monitoring Data Portal (CMDP); and adopt and deploy Safe Drinking Water Information System (SDWIS) Prime.</p>	\$266,000	7/27/2017
OS-83920801-1	<p>South Dakota - Department of Environment and Natural Resources</p>	<p>The project will create new EN data flows for the SD DENR and also improve access and availability of environmental data to internal and external users. New capability for Electronic Notice of Intent (eNOI) reporting will be crated. A data flow will be built to transmit eNOI data to IDIS-NPDES. A web-based mapping application will be created to allow users to interact with DENR-STORET water quality data.</p>	\$298,000	8/31/2017

OS-83920901-0	<p style="text-align: center;">Utah - Department of Environmental Quality</p>	<p>This proposal consists of three goals: The first is to update and expand the existing oil and gas online system for permitting and reporting. The second goal is to integrate an oil and gas emissions reporting system into the Centralized Air Emissions Reporting System (CAERS) online database. The third goal is to create UT Division of Air Quality (DAQ) bridge tool for automated upload of Oil and Gas (O & G) inventories to the Emissions Inventory System (EIS).</p>	\$275,000	6/21/2017
OS-83921101-0	<p style="text-align: center;">Virginia - Department of Health</p>	<p>The Virginia Department of Health proposes to transition Safe Drinking Water Information System State to SDWIS Prime.</p>	\$300,000	7/25/2017
OS-83923201-1	<p style="text-align: center;">Washington - Department of Health</p>	<p>The project will improve radon data flows and coordinate radon data flow to an Exchange Network (EN) node or virtual network from partner states in order to increase the flow of radon data through EN.</p>	\$374,378	8/15/2017
OS-83921301-1	<p style="text-align: center;">West Virginia - Department of Environmental Protection</p>	<p>The state is creating a unified Tanks database and software system with a web interface. The project unites the data collection and data flow for four programs: the Underground Storage Tank Program, the Aboveground Storage Tank Program, the Leaking Underground Storage Tank Program, and the Leaking Aboveground Storage Tank Program. A mobile inspection tool will enhance data collection and reporting, and the creation of web portals will facilitate data exchange to numerous stakeholders</p>	\$128,800	7/25/2017
TRIBES				
OS-83921401-0	<p style="text-align: center;">Tribe, Region 6 - Cherokee Nation</p>	<p>This project will create a national Tribal Mentoring Program; develop an ATTAINS webpage on the Inter-Tribal Environmental Council website; provide logistical support and coordinate for Tribes to receive technical assistance with the utilization of the ATTAINS Reporting Tool; perform technical outreach efforts for the ATTAINS Reporting Tool; and create and publish a newsletter that will showcase the ATTAINS Reporting Tool for the tribal water program.</p>	\$300,000	7/27/2017

OS-83922701-0	<p>Tribe, Region 10 - Coeur d'Alene Tribe</p>	<p>The Coeur D'Alene (CDA) Tribe proposes to collecting data using Unmanned Aerial System (UAS) flight imagery; process/interpret/store the data; share the water quality data and maps through the Coeur d'Alene Tribe's Portal for ArcGIS website.</p>	<p>\$262,592</p>	<p>9/28/2017</p>
OS-8391501-0	<p>Tribe, Region 6 - Eight Northern Indian Pueblo Council</p>	<p>This project will provide improved exchange of, and access to, water quality data between tribes and the EPA. The project will provide for further enhancements for quality assurance, data analysis, and reporting capabilities of our hosted WQX compatible database to meet requirements of the EPA National Strategic Plan and tribe-specific reporting needs.</p>	<p>\$493,521</p>	<p>8/10/2017</p>
OS-83923101-0	<p>Tribe, Region 5 - Fond du Lac Band of Lake Superior Chippewa</p>	<p>The project will provide for enhancements to leverage and improve upon new features that Fond du Lac Band of Chippewa anticipate being added to AWQMS for implementing the Assessment TMDL Tracking and Implementation System (ATTAINS) EN data flow, and the use of AWQMS as a continuous water quality sensor data "appliance" via web services. The project also intends to provide improvements for continuous monitoring data capture and management, and continuous monitoring sensor metadata submission to national central catalog. In addition, the tribe propose to implement new information visualization tools in the form of "dashboards" and CIS improvements for the multitude of AWQMS tribal, state, and volunteer users.</p>	<p>\$420,479</p>	<p>7/27/2017</p>