

**FY 2019 EXCHANGE NETWORK GRANT PROGRAM AWARDS**  
**Office of Mission Support**  
**U.S. Environmental Protection Agency**  
**FY 19 Grants**

Recipient Name	Total Number of Awards	Total Amount of Awards
States	28	\$5,549,093.00
Tribes	9	\$2,538,635.00
Territories	1	\$105,614.00
<b>All Recipients</b>	<b>38</b>	<b>\$8,193,342.00</b>

Recipient Name	Project Description	Registered Components	Award Amount	Award Date
<b>STATES / INSTRUMENTALITIES OF THE STATE</b>				
<b>Alabama -</b> Department of Environmental Management	This project includes the development and implementation of an online document submission and information publishing portal for the Underground Storage Tank (UST) program.	<i>Not Available - Active Grant</i>	\$199,947	9/17/2019
<b>Alaska -</b> University of Alaska, Anchorage	This project will leverage existing products within the ACCS organization. This project will utilize an existing web mapping service (AKOATS) and existing temperature database to make water temperature data available to organizations across the state of Alaska.	<i>Not Available - Active Grant</i>	\$171,871	9/24/2019

<p><b>Arizona -</b> Department of Environmental Quality</p>	<p>This project will modernize the collection and sharing of environmental data from various Arizona Pollutant Discharge Elimination System (AZPDES) permittees. This will allow all facilities to obtain the required permits and also report compliance data thereby streamlining the process.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$200,000</p>	<p>9/11/2019</p>
<p><b>California -</b> Environmental Protection Agency</p>	<p>The goal of the VES Implementation and GeoServer Services grant is to move the Cal EPA exchange node from older local hardware into the US EPA's shared virtual exchange technology, move identified existing data flows to the new exchange technology, and further open government and information transparency by expanding the geospatial services available through the Cal EPA's public Regulated Site Portal.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$200,000</p>	<p>8/27/2019</p>
<p><b>Colorado -</b> Department of Public Health and Environment</p>	<p>The department is planning develop a Sector-Based Environmental Compliance Dashboard to allow for a cross programmatic view of compliance rates. This will allow the department to identify areas for specific compliance assistance that will lead to improved compliance and prioritize resources to areas of environmental concern. This project supports Goal 3, objective 3.4 of the EPA Strategic Plan.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$197,811</p>	<p>9/6/2019</p>
<p><b>District of Columbia -</b> Department of Energy and Environment</p>	<p>DOEE's Natural Resources Administration (NRA) is planning to procure environmental database software to manage its data. NRA currently does not have centralized database software where data is easy to discover, understand, access, or reuse in a secure manner. These functions will allow NRA to improve its ability to explore and address environmental, business and public policy challenges, ask new questions, identify new relationships, discover new information, and ultimately make knowledge-driven decisions.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$200,000</p>	<p>9/12/2019</p>

<p><b>Hawaii -</b> Department of Health</p>	<p>The project goal involves upgrading Hawaii and Nevada's Air Systems to include electronic data collection, management and sharing features. This will enable air programs in both states to eliminate regulated industry paper application submissions and reporting, streamline data collection and management by employing electronic processes, improve data quality and availability, and expand data access capabilities to interested partners.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$300,000</p>	<p>8/29/2019</p>
<p><b>Illinois -</b> University of Illinois</p>	<p>This grant project will expand access to the GreenBizTracker system for the State of Illinois and beyond, modernize database metrics and add new data collection metrics to increase environmental data outputs and sharing opportunities and create automated data-sharing with ENERGY STAR Portfolio Manager.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$400,000</p>	<p>9/23/2019</p>
<p><b>Kentucky -</b> National Resources and Environmental Protection Cabinet</p>	<p>This grant project will fund a priority project to eliminate NPDES related paper based permitting and provide electronic permitting to our agency using our EEC eForms application.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$198,000</p>	<p>10/3/2019</p>
<p><b>Louisiana -</b> Department of Environmental Quality</p>	<p>LDEQ seeks to develop a module for inclusion in our Integrated Data Management System that would automate and modernize the Public Participation Groups processes, allow for the development of standardized templates for public notices and other public participation activities, and eliminate duplicative data entry.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$195,300</p>	<p>9/23/2019</p>
<p><b>Maine -</b> Department of Environmental Protection</p>	<p>This project includes the development of a web database application as well as the establishment of data flows to streamline the program's beaches monitoring and notification data transmission to EPA target databases (eBeaches and WQX).</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$178,408</p>	<p>9/26/2019</p>

<p><b>Michigan -</b> Department of Environmental Quality</p>	<p>The project goal for this funding request is to enable the Compliance Monitoring Data Portal in Michigan.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$28,811</p>	<p>9/25/2019</p>
<p><b>Michigan -</b> Department of Environmental Quality</p>	<p>This project will develop a pilot web application that uses GIS, 3D visualization, and object-oriented programming to construct digital morphological process, and emissions models of industrial facilities based on a variety of data sources, including airborne lidar data for urban and surface morphology, industry-supplied process engineering and emissions data, air emissions inventories maintained by the State of Michigan and the U. S. Environmental Protection Agency, and the results of air dispersion modeling used as the basis for permitting decisions.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$200,000</p>	<p>9/24/2019</p>
<p><b>Montana -</b> Department of Environmental Quality</p>	<p>This project, Centralized Authentication for Regulatory and Permitting Systems (CARPS), shall provide Montana with an Enterprise-wide user authentication system that will bridge multiple applications within the agency. These applications include: Montana DEQ's Fees, Applications, Compliance, and Tracking System (FACTS), Montana's Air Quality Reporting System (ARMB Workflow), Geospatial systems, and a centralized CRM system.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$200,000</p>	<p>8/28/2019</p>
<p><b>Nebraska -</b> Department of Environmental Quality</p>	<p>The purpose of this project is to streamline the data collection and exchange process in order to be more efficient in compliance decision-making, create more transparency for compliance decision in order to deepen the public's trust, utilize consistent data with certainty of its accuracy in order to provide the most effective public health protection, reduce the environmental impact of paper reporting, and train departmental staff so that these levels of excellence can be maintained.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$120,000</p>	<p>9/25/2019</p>

<p><b>Nevada -</b> Department of Conservation and Natural Resources</p>	<p>This project by NDEP enhances the ICIS/NPDES data flow by capturing data from the existing in-house data system. This project will modify the state system to comply with the proposed NPDES eReporting Rule Phase II by populating the ICIS-NPDES system with reports generated by the EPA eReporting Phase II facilities.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$152,500</p>	<p>9/11/2019</p>
<p><b>New Mexico -</b> Environment Department</p>	<p>This project will enable the creation of the NMED Open Data Portal, which supports the Exchange Network Solicitation Priority of improved Data Availability by improving access to NMED data and documents programmatically via APIs for map and other web services.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$199,160</p>	<p>9/6/2019</p>
<p><b>North Dakota -</b> Department of Health</p>	<p>The grant will be used to add additional reports to the departments Cross Media Electronic Reporting Rule (CROMERR) Compliant Electronic Reporting System to meet the NPDES Electronic Reporting Rule. This will include adding data flows for Stormwater Construction Transfers and modifications, Notice of Terminations for six NPDES general permits and electronic reporting form for the 316(b) report.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$200,000</p>	<p>9/6/2019</p>
<p><b>Oklahoma -</b> Department of Environmental Quality</p>	<p>The Oklahoma Department of Environmental Quality proposes to update current electronic reporting systems in two divisions in two separate project goals. The first goal is to replace the current compliance inspection forms, or elnspection forms, with a new system to allow for timely reporting to other divisions within the department and EPA. The second goal is to expand an existing emissions inventory reporting system to include excess emissions reporting.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$200,000</p>	<p>9/19/2019</p>

<p><b>Pennsylvania -</b> Department of Environmental Protection</p>	<p>This proposal will continue PA DEP's commitment to wider data accessibility by actively participating with activities within EPA's eEnterprise, Clean Water, and Waste Management programs.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$198,645</p>	<p>8/28/2019</p>
<p><b>Tennessee -</b> Department of Environment and Conservation</p>	<p>The primary goals of TDEC are to support EPA's FY 2018-22 Strategic Plan and Tennessee's NPDES Electronic Reporting Rule Phase 2 Implementation Plan. With this support, we are pleased to have the opportunity to apply for financial assistance to facilitate our efforts for requiring NPDES permittees and other regulated entities to submit reports electronically by December 21, 2020. TDEC has been fortunate in the past to receive funding from the Exchange Network that greatly improved our data integration, data flows and data sharing. Recent announcements of EPA's delays in providing a NeT electronic solution before the deadline give the State of Tennessee an opportunity to lead by example. TDEC has the drive and vision to develop internal solutions that can be scaled to other states and registered for reuse. TDEC has also committed internal resources including interdisciplinary technical expertise, project managers and state funding to ensure a successful and aggressive implementation of Phase 2.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$200,000</p>	<p>9/3/2019</p>
<p><b>Texas -</b> Commission on Environmental Quality</p>	<p>This grant will provide for the transition of the ICIS-Air and RCRAInfo data flows from the TCEQ physical node implementation to the EPA's Exchange Network YES multi-tenant (shared) implementation. Transitioning to the VES will simplify future development and maintenance of these data exchanges.</p>	<p><a href="#">14071</a></p>	<p>\$200,000</p>	<p>9/10/2019</p>
<p><b>Vermont -</b> Department of Environmental Conservation</p>	<p>This grant project will include the implementation of the Compliance Monitoring Data Portal (CMDP)</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$60,500</p>	<p>9/24/2019</p>

<p><b>Virginia -</b> Department of Health</p>	<p>VADEQ plans to expand its electronic data collection capabilities to meet requirements of the eReporting Rule. VADEQ will integrate Shared CROMERR Services (SCS), of ID Proofing and eSignature into the agency's external portal framework and create electronic forms for NOIs and Annual Reporting for Nonmetallic Mineral Mining Permits. The complete solution will enable VADEQ to meet EPA goals and support Virginia Governor's Executive Order E06, which calls for increased data transparency of environmental data among the Commonwealth of Virginia's citizens and stakeholders.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$191,942</p>	<p>9/30/2019</p>
<p><b>Washington -</b> Department of Ecology</p>	<p>This project will update Puget Sound Shoreline and Beach geometry in the National Map to expand data access and allow exchange of habitat, regulation, water quality and discharge information to better protect and restore the physical, chemical and biological integrity of Puget Sound's sensitive nearshore areas. This project supports salmon and orca whale survival and recovery efforts.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$199,122</p>	<p>9/16/2019</p>
<p><b>Washington -</b> Department of Recreation and Conservation Office</p>	<p>The State of Washington Recreation and Conservation Office, the Washington Department of Fish and Wildlife (WDFW), and the Northwest Indian Fisheries Commission (NWIFC) along with the Governor's Salmon Recovery Office (GSRO), propose to engage with certain Washington State Indian tribes, to design and develop a new data exchange for adult fish harvest, hatchery and fish trap data.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$399,403</p>	<p>9/24/2019</p>

<p><b>Washington -</b> Department of Natural Resources</p>	<p>A pilot approach will be implemented to allow DNR to evaluate conversion effort, security protocols, workflow changes, effort of maintaining attributes in the new schema, estimate of training needs for implementation of the conversion for Forest Practices HYDRO regulatory data into NHD.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$200,000</p>	<p>9/25/2019</p>
<p><b>West Virginia -</b> Department of Health &amp; Human Resources</p>	<p>This project seeks to modify the existing interfacing applications that address drinking water program requirements. The proposed interfacing applications will be used to prepare, conduct, manage, and generate reports for sanitary surveys, as well as, producing water system reports and violation letters. The proposed interfacing applications will replace the Open Database Connectivity (ODBC) connection with a ReST API and web service calls compatible with CMDP (Compliance Monitoring Data Portal).</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$157,673</p>	<p>9/30/2019</p>
<b>TRIBES</b>				
<p>Tribe, Region 9 - <b>Bishop Paiute Indian Tribal Council</b></p>	<p>This project proposes to provide a digital form solution to streamline the tribal drinking water regulatory and data sharing process, develop a graphical user interface that supports statistical analysis tools in the AWQMS water quality database, and increases user-defined graphing capabilities in AWQMS.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$199,999</p>	<p>9/16/2019</p>
<p>Tribe, Region 9 - <b>Cahto Indian Tribe of the Laytonville Rancheria</b></p>	<p>The project will create a streamlined system for data analysis, uploading, and reporting. This will allow for the collection of more data parameters. These will be brought together with GPS locations, improved metadata and modeling capabilities. These goals will work towards a broader goal of protecting environmental health and safety on the Rancheria.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$199,129</p>	<p>9/16/2019</p>

<p>Tribe, Region 9 - <b>Habematolel Pomo of Upper Lake</b></p>	<p>Habematolel Pomo of Upper Lake Tribe (HPUL) is partnering with Lake County Water Resource Department (LCWRD) to initiate and develop the Water Quality Data Exchange Program (WQDEP).</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$399,836</p>	<p>9/30/2019</p>
<p>Tribe, Region 10 - <b>Klamath Tribe</b></p>	<p>This grant will be used to transfer computing resources to the EPA for management of the database using Virtual Exchange Services, develop open source tools for the Tribes technical staff and federal agencies to use this powerful data source to better understand and restore water quality in the Upper Klamath Basin, and train the Tribes technical staff to annually maintain the database and use the analysis tools developed as part of the grant.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$200,000</p>	<p>10/1/2019</p>
<p>Tribe, Region 6 - <b>Muscookee Creek Nation</b></p>	<p>This grant aims to align with EN priorities and help further access to environmental data using innovative technologies to make better decision for all partner tribes.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$392,782</p>	<p>9/18/2019</p>
<p>Tribe, Region 9 - <b>Native American Env. Prot. Coalition</b></p>	<p>This grant project will expand on previous successful grant work and add air quality data management, analysis, sharing and flow capabilities and capacity to a network of tribal environmental programs.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$400,000</p>	<p>9/30/2019</p>
<p>Tribe, Region 10 - <b>Snoqualmie Tribe</b></p>	<p>This grant will build tribal capacity to create a visual, interactive, data-rich web service with a geodatabase backend that allows for more efficient coordination intra-tribally and create scalable infrastructure that includes the creation of field applications for data collection that is then hosted in a feature service where other programs and departments can utilize the information.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$200,000</p>	<p>9/26/2019</p>

<p>Tribe, Region 8 - <b>Standing Rock Sioux of North Dakota &amp; South Dakota</b></p>	<p>This project will build the capacity of 23 tribal programs to consolidate, validate, analyze and share their water quality data to the EPA's Water Quality Exchange (WQX), in order to reduce program workload through more efficient processes and mechanisms; and in order to provide higher quality and more timely information to local management, the US EPA, and our public.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$400,000</p>	<p>9/23/2019</p>
<p>Tribe, Region 9 - <b>Yurok Tribe</b></p>	<p>YTEP seeks to, facilitate the sharing of Yurok environmental data, and streamline data exchanges to improve timeliness for decision making.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$146,889</p>	<p>9/20/2019</p>
<b>TERRITORIES</b>				
<p><b>Commonwealth of Northern Mariana Island -</b> Division of Environmental Quality</p>	<p>BECQ wishes to continue its efforts towards improving the collection, storage, retrieval and sharing of environmental data. Achieving these goals will increase BECQ's efficiency at accessing timely environmental data, allowing BECQ to focus resources on other environmental needs, and will allow for better environmental decision making as the most current information will be readily available to management.</p>	<p><i>Not Available - Active Grant</i></p>	<p>\$105,614</p>	<p>9/25/2019</p>