

FY 2010 EXCHANGE NETWORK GRANT PROGRAM AWARDS
Office of Environmental Information
U.S. Environmental Protection Agency
2010

FY 2010 EXCHANGE NETWORK GRANT PROGRAM - TOTALS		
Type of Recipient	Total Number of Awards	Total Amount of Awards
Tribes	9	\$1,728,725
States	37	\$7,053,971
Territories	0	\$0
All Recipients	46	\$8,782,696

FY 2010 Exchange Network Grant Program-Recipients		
Recipient Name	Project Description	Award Amount
State Grants		
Alabama Department of Environmental Management	Alabama Department of Environmental Management proposes to implement a full batch Integrated Compliance Information System-National Pollutant Discharge Elimination System (ICIS-NPDES) node flow and collect and manage SSO-related compliance data electronically. This project will improve transparency and accountability because the data will be made easily accessible to stakeholders and EPA via the Department's eFile web application.	\$200,000
Arkansas Department of Environmental Quality	Arkansas Department of Environmental Quality (ADEQ) proposes to integrate current ambient groundwater quality monitoring program data flows into the Water Quality Exchange (WQX); compile groundwater quality data from other state agencies into WQX and U.S. Geological Survey National Water Information System (NWIS); and develop a web-based mapping and retrieval application.	\$200,000
California Air Quality Management District	California Air Quality Management District proposes to improve and increase data flow to the EPA's Air Quality System (AQS) and the National Air Quality Notification System (AIRNow) by developing a suite of installation tools, training aids, and documentation for the Data Management System (DMS) to support DMS evaluation, installation, and usage by air monitoring agencies.	\$200,000
California Environmental Protection Agency	California Environmental Protection Agency proposes to establish publishing capability on the California EPA Node; make hazardous materials inventory data available to federal agencies, including the Department of Homeland Security, state agencies, and Certified Unified Program Agencies (CUPAs) for emergency response and planning purposes; and modify the California EPA Node and the California Environmental Reporting System (CERS) to publish selected hazardous materials information. CERS is a web-based reporting tool for businesses to report required regulatory information, including hazardous waste, underground storage tank, and above ground storage tank data.	\$200,000
California State Water Resources Control Board	California State Water Resources Control Board proposes to lay the foundation for data transfer from the state's web-based water quality regulatory database, the California Integrated Water Quality System (CIWQS), to EPA's Integrated Compliance Information System-National Pollutant Discharge Elimination System (ICIS-NPDES); and 2) implement the sustainable transfer of Discharge Monitoring Report (DMR) data for NPDES major facilities to ICIS-NPDES.	\$150,000
Hawaii Department of Health	Hawaii Department of Health proposes to implement the eBeaches data flow in order to share in-house water quality and monitoring data and swimming advisory data with EPA and the public. The Department will also develop and implement the Homeland Emergency Response Exchange (HERE) System for Hawaii's environmental emergency responders and integrate the HERE system with Hawaii's recently implemented Environmental Health Data Warehouse (EHW), which includes environmental facility and site information from various data systems, including information on hazardous waste, Safe Drinking Water Information System, and underground storage tanks.	\$200,000
Iowa Department of Natural Resources	Iowa Department of Natural Resources proposes to upgrade electronic reporting systems to bring a list of reports into compliance with the Cross-Media Electronic Reporting Regulation (CROMERR) and adapt Indiana's eAuth application portal solution to make it easier to add future reports to the portal. State Permitting and Air Reporting System (SPARS) and Wastewater Permit Information Exchange (WWPIE) will be updated to accept monthly Discharge Monitoring Reports (DMR) for facilities with National Pollution Elimination Discharge System (NPDES) permits.	\$200,000
Kansas Department of Health and Environment	Kansas Department of Health and Environment (KDHE) plans to implement a Water Quality Exchange (WQX) biological water quality monitoring data flow to EPA; implement new Safe Drinking Water Information System (SDWIS) data flows and Cross-Media Electronic Reporting Regulation (CROMERR)-compliant reporting to improve data exchanges between KDHE and EPA; implement new Integrated Compliance Information System-National Pollutant Discharge Elimination System (ICIS-NPDES) stormwater data flow; and develop an automated EPA/state interagency chemical spill data sharing program.	\$197,500

Kentucky Department of Environmental Protection	Kentucky Department of Environmental Protection will further develop their web portal (ePortal) and document management (eDocuments) systems into compliance with EPA's Cross-Media Electronic Reporting Regulation (CROMERR). The project will upgrade the state's existing ePortal and eDocument systems to bring them into CROMERR compliance using software already developed by other states that are using similar technology platforms.	\$198,034
Kentucky Department of Environmental Protection	Kentucky Department of Environmental Protection proposes to implement electronic transmission of discharge monitoring reports (DMR's) for ICIS-NPDES data and pilot the flow of DMR data from permittees to ICIS-NPDES using the net DMR tool.	\$75,000
Louisiana Department of Transportation and Development	Louisiana Department of Transportation and Development proposes to update and revise the National Hydrography Dataset (NHD) for watersheds that originate in Mississippi and Texas but flow into Louisiana; at least eight of these cross-state watersheds will be updated and submitted for incorporation into the NHD program. Additional goals are to further the cooperation between the various agencies responsible for mapping, geospatial data, NHD stewardship, and environmental monitoring in each state; identify and utilize the most up-to-date data sources for the digital database and map revision process; and connect the participating states' environmental sampling networks to the NHD, thus enabling three states' monitoring programs to better interact and exchange information.	\$349,782
Maine Department of Environmental Protection	Maine Department of Environmental Protection proposes to enhance its web-based air emissions inventory tool known as the Maine Air Inventory Reporting System (MAIRIS).	\$50,000
Massachusetts Department of Environmental Protection	The Massachusetts Department of Environmental Protection proposes to bring eDEP, the state's existing online environmental data reporting system, into compliance with EPA's Cross-Media Electronic Reporting Regulation (CROMERR) by reusing and building upon EPA-approved CROMERR solutions developed by other states and/or the Central Data Exchange solution developed by EPA.	\$200,000
Michigan Department of Environmental Quality	Michigan Department of Environmental Quality (MDEQ) proposes to enhance the web-based facility data integration application and data pool and create a flow of high quality Facility Registry System (FRS) data from MDEQ to EPA.	\$181,500
Michigan Department of Environmental Quality	Michigan Department of Environmental Quality proposes to establish a Response Resource Inventory Exchange; develop effective update and maintenance tools; and implement a pilot of the Response Resource Inventory within a limited geographic area.	\$343,219
Minnesota Department of Administration	Minnesota Department of Administration proposes to produce a high-resolution National Hydrography Dataset (NHD) Plus dataset for portions of Minnesota.	\$200,000
Mississippi Department of Environmental Quality	Mississippi Department of Environmental Quality proposes to create a Cross-Media Electronic Reporting Regulation (CROMERR) compliant e-government portal solution in its Regulatory Services Portal (RSP) that meets the needs of each partner state and may be used by other states interested in a single e-governmental portal for environmental reporting.	\$200,000
Mississippi Department of Environmental Quality	Mississippi Department of Environmental Quality proposes to develop a Water Quality Exchange (WQX) flow for biological and habitat data and information and develop an Assessment Total Maximum Daily Load Tracking and Implementation System (ATTAINS) data flow for water quality assessment and Total Maximum Daily Load (TMDL) information.	\$150,000
Missouri Department of Natural Resources	Missouri Department of Natural Resources proposes to implement ambient water quality data flows from the Missouri Clean Water Information System (MoCWIS) to EPA's Storage and Retrieval (STORET) system; implement ambient water quality data flows from the U.S. Geological Survey (USGS) into the MoCWIS; implement water quality assessment and impairment data flows using the EPA Office of Water Integrated Report (OWIR) schema; and maintain accurate National Hydrography Dataset (NHD) data.	\$199,998
Montana Department of Environmental Quality	Montana Department of Environmental Quality (MTDEQ) proposes to meet the requirements of the Cross-Media Electronic Reporting Regulation (CROMERR) and submit an application that describes the system to EPA for approval. The application will allow the MTDEQ regulated community to submit its reports and documents electronically in a trouble-free, secure, and legally-supported manner.	\$75,000

Nevada Department of Conservation and Natural Resources	Nevada Department of Conservation and Natural Resources (NDCNR) proposes to replace a state underground injection control (UIC) program database system to enable management of all relevant UIC data and exchange of program data with EPA; adapt a Toxics Release Inventory (TRI) Viewer System to serve state needs; and implement the flow of TRI data from EPA to the States.	\$200,000
New Mexico Environmental Department	New Mexico Environmental Department (NMED) proposes to develop an Exchange Network data flow for attribute data required under the Clean Water Act Sections 303(d) and 305(b) and track Total Maximum Daily Loads (TMDL) through the Assessment TMDL Tracking and Implementation System (ATTAINS) Integrated Report (IR) and prepare and submit spatial data representing the complimentary water assessment reporting units and submit spatial data through the Exchange Network for inclusion in EPA's Reach Address Database.	\$200,000
New Mexico Department of Health	New Mexico Department of Health (NMDOH) proposed to implement a unified laboratory reporting tool, the Laboratory Information Management Systems (LIMS), for two sections of the New Mexico environmental primacy testing laboratory and establish an electronic connection for the transmission of laboratory results to the Safe Drinking Water Information System (SDWIS).	\$120,000
New York Department of Environmental Conservation	New York Department of Environmental Conservation (NYSDEC) proposes to implement the new Emissions Inventory System (EIS) data flow to replace the existing National Emissions Inventory (NEI) data flow that NYSDEC has had in place for a number of years; implement the new Facility ID (FACID) data flow to eventually replace the existing Facility Registry System (FRS) data flow that NYSDEC has had in place for a number of years; and enhance existing data flows to provide additional publishing services to Exchange Network partners.	\$200,000
North Dakota Department of Health	North Dakota Department of Health (NDDoH) proposes to implement an Emissions Inventory System (EIS) data flow; implement an Integrated Compliance Information System-National Pollutant Discharge Elimination System (ICIS-NPDES) data flow; and develop a method for integrating the state's Watershed Boundary Dataset (WBD) and the National Hydrography Dataset (NHD) within two pilot sub-basins.	\$200,000
Ohio Department of Natural Resources	Ohio Department of Natural Resources proposes to develop and launch a new data flow on the EPA Exchange Network for Class I, II, III, and V UIC data. This system will incorporate the data elements required to flow data to the national UIC database, meet participating states' data management needs, install the system in the participating states, and provide training and support.	\$200,000
Ohio Environmental Protection Agency	Ohio Environmental Protection Agency (OEPA) proposes to build e-applications modules (National Pollutant Discharge Elimination System [NPDES]/permitting-related) for Ohio's EPA Web portal; develop a Trading Partner Agreement (TPA) for sharing of asbestos and e-permitting data with partners and the public; complete a back-end system upgrade based on 2010 and 2011 front-end XML schema changes for the Toxics Release Inventory (TRI); fund Exchange Network (EN) and environmental information-related meetings by internal agency staff; and increase and upgrade storage capacity for EN geospatial data and other EN data.	\$135,000
Oklahoma Department of Environmental Quality	Oklahoma Department of Environmental Quality (OKDEQ) proposes to develop an integrated system for online permit and license applications, which will include up to three initial data flows; and improve the Department's currently approved and functioning Cross-Media Electronic Reporting Regulation (CROMERR) portal in an effort to increase online data submission by program staff and the reporting community.	\$200,000
Oregon Department of Environmental Quality	Oregon Department of Environmental Quality (ORDEQ) proposes to implement an underground injection control (UIC) data exchange; utilize the Homeland Emergency Response Exchange (HERE); and participate in Exchange Network (EN) mentorship and collaboration.	\$200,000
South Carolina Department of Health and Environmental Control	South Carolina Department of Health and Environmental Control (SCDHEC) proposes to continue to improve node flow capabilities while improving environmental data quality and further enhance the capabilities of South Carolina's Network to include a way to collect and disseminate quality information electronically in a timely manner to the public.	\$75,000
Tennessee Department of Environment and Conservation	Tennessee Department of Environment and Conservation (TDEC) proposes to enhance and sustain its 2007 implementation of its node by strengthening the state's systems and utilizing the available node plug-ins for RCRAInfo Compliance Monitoring and Enforcement (CME) module, and underground injection control (UIC) data exchanges.	\$200,000

Texas Commission on Environmental Quality	Texas Commission on Environmental Quality (TCEQ) proposes to develop an underground injection control (UIC) data management system and data flow; upgrade the Water Quality Exchange (WQX) data flow to include biological and habitat data; add Compliance Monitoring and Enforcement (CME) data to the RCRA data flow; improve the Facility Registry System (FRS) data flow via the Central Data Exchange (CDX); and maintain the TCEQ Exchange Network Node to keep up with specification and protocol changes.	\$140,000
Utah Department of Health	Utah Department of Health (UDoH) proposes to expand data sharing with network partners via electronic file sharing and network publishing through collaboration and reuse of existing tools and services and enhance Utah's interfaces to the data exchanges for Safe Drinking Water Information System (SDWIS), Air Quality System (AQS), and Environmental Public Health Tracking program.	\$189,600
Vermont Department of Environment and Conservation	Vermont Department of Environment and Conservation (VDEC) proposes to develop, implement, and deploy an electronic underground injection control (UIC) system to be designated as a data source and integrate it with both existing online permitting software and elements of the Agency's exchange network infrastructure.	\$199,582
Washington Department of Ecology	Washington Department of Ecology (WSDOE) proposes to enhance the existing Washington State pollution prevention reporting system, develop a data exchange to the National Pollution Prevention (P2) Results Data System, develop web-based protocols for Washington businesses and governments to report greenhouse gas (GHG) emissions and sustainability metrics to the National P2 Results Data System, and increase participation in the system by 25 percent by September 30, 2012.	\$350,000
Washington Governor's Office of Regulatory Assistance	Washington Governor's Office of Regulatory Assistance (ORA) proposes to streamline the environmental document development process by helping document preparers initially develop complete and accurate documents; streamline the environmental document review and decision-making process by reducing delays associated with incomplete documents and requests for additional information; and improve overall environmental outcomes through early identification, consideration, and integration of relevant environmental data and information.	\$339,995
Wisconsin Department of Natural Resources	Wisconsin Department of Natural Resources (WDNR) proposes to implement a Cross-Media Electronic Reporting Regulation (CROMERR)-compliant electronic signature system and implement the exchange of specific data from the Assessment Total Maximum Daily Load Tracking and Implementation System (ATTAINS);	\$134,761

	38 Total States	\$7,053,971
	Tribes	
Alaska Inter-Tribal Council	Alaska Inter-Tribal Council (AITC) proposes to develop a node that will utilize geo-spatial and regional data that will increase empirical data collection throughout the entire state of Alaska.	\$100,000
Arizona Salt River Pima-Maricopa Indian Community	Salt River Pima-Maricopa Indian Community (SRPMIC) proposes to develop and implement the greenhouse gas node-to-node data exchange system; upgrade the network security infrastructure; develop web-based training for the Tribe's information technology and EPNR staffs; and offer the training to other Arizona Native American Communities through a partnership with the Inter Tribal Council of Arizona, Inc. (ITCA).	\$180,000
California Big Balley Rancheria Band of Pomo Indians	Big Valley Rancheria Band of Pomo Indians proposes to reduce the reporting burden on tribes and increase regulatory data exchanges through a more secure and reliable server and will mentor tribes to submit data to the tribe's regional Exchange Network Node and become regional node partners.	\$130,000
Montana Fort Peck Tribes	Fort Peck Tribes proposes to fully utilize the Water Quality Exchange (WQX) v2.0 schema compatibility of the Ambient Water Quality Monitoring System (AWQMS) to flow habitat and biological monitoring data parameters; integrate existing data sources from EPA, states, and the U.S. Geological Survey into AWQMS through web services; employ a geospatial data delivery option for rapid qualitative analysis and enable queries of existing area legacy data; participate in Exchange Network (EN) conferences to discuss Region VIII efforts and to utilize the success of other EN partners; and provide technical support to tribes through the Region VIII Peer Training Network (PTN).	\$275,000
Nevada Wind River Paiute Tribe	Wind River Paiute Tribe proposes to implement the Water Quality Exchange (WQX) and develop Open Geospatial Consortium (OGC) enabled capabilities and tools to support non-regulatory data flows including data validation/reporting tools as well as provide training.	\$289,930
New Mexico Pueblo of Acoma	Pueblo of Acoma proposes to implement Air Quality System (AQS), Emissions Inventory System (EIS), and greenhouse gas (GHG) data flows and implement Water Quality Exchange (WQX) data flows.	\$199,984
Oklahoma Caddo Nation of Oklahoma	Caddo Nation of Oklahoma proposes to ensure that four of eight Western Oklahoma tribes improve their local data management capabilities and ensure that they can successfully send their water quality data to EPA via the Water Quality Exchange (WQX) or send EPA data via the Caddo Nation Environmental Exchange in one of the other existing databases by the end of the grant period.	\$200,000
Oklahoma Iowa Tribe of Oklahoma	Iowa Tribe of Oklahoma proposes to implement a regional Ambient Water Quality Management System (AWQMS) database and application; load data into the AWQMS and flow it to the Water Quality Exchange (WQX) on a regular basis; create a peer trainer network; provide tribal training on AWQMS; enhance AWQMS database security for data sharing; and enhance reporting and data analysis capabilities.	\$252,242
Wisconsin Oneida Tribe of Indians of Wisconsin	Oneida Tribe of Indians of Wisconsin proposes to support the goal of providing decision-makers and the public with timely, accurate information from water quality data from watersheds within the Oneida Reservation. This will be done by developing XML schema to exchange water quality data to STORET. The goal to exchange of water quality data via the Water Quality Exchange (WQX) is a Tier 1 Activity and is to become a Network Node Client using available Node client developer software kit (SDK) to exchange this data. The project seeks to reduce reporting burdens and enhance the quality of environmental management decisions by normalizing data sets for exchange with EPA. This experience can be shared with other Tribes to assist in the development of exchange nodes.	\$101,569
	9 Total Tribes	\$1,728,725