

FY 2011 EXCHANGE NETWORK GRANT PROGRAM AWARDS
Office of Environmental Information
U.S. Environmental Protection Agency
October 25, 2011

FY 2011 EXCHANGE NETWORK GRANT PROGRAM - TOTALS		
Type of Recipient	Total Number of Awards	Total Amount of Awards
Tribes	12	\$1,832,488
States	44	\$7,651,580
Territories	2	\$400,000
All Recipients	58	\$9,884,068

FY 2011 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description	Award Amount	Award Date
STATES			
Alabama Dept. of Public Health	The Alabama Department of Public Health, Bureau of Clinical Laboratories (ADPH/BCL) proposes to assess, design, and implement an electronic file transfer schema to facilitate data transfer from the ADPH/BCL to the Alabama Department of Environmental Management (ADEM), the reporting agency. This system will be compatible with data requirements for the Safe Drinking Water Information System (SDWIS) and eBeaches data exchanges for ADEM's Division of Water and of Coastal Programs.	\$ 194,783	9/13/2011
Alaska Dept. of Environmental Conservation	The Alaska Department of Environmental Conservation (ADEC) proposes to implement four flows: Water Quality Exchange (WQX), Beach Notification, Substance Registry System (SRS), and the National Hydrography Dataset Event (NHDEvent) flow of Assessment Database (ADB) data with participation in the Clean Water Act Integrated Reporting (OWIR-ATT ITP). Alaska also intends to extend the existing Integrated Compliance Information System for the National Pollutant Discharge Elimination System (ICIS-NPDES) flow by adding an additional data family, and to implement a proposed Electronic Discharge Monitoring Reports (eDMR) solution. Additional goals include development of QA/QC controls and additional reporting for water quality.	\$ 178,441	9/20/2011
Arizona Dept. of Environmental Quality	The Arizona Department of Environmental Quality proposes to convert the current Pollution Control System (PCS) data exchange to the new Integrated Compliance Information System-National Pollutant Discharge Elimination System (ICIS-NPDES) data exchange; and obtain and implement an internet based solution to exchange Discharge Monitoring Reports (DMRs) electronically.	\$ 117,845	1/04/2012

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California Dept. of Toxic Substances Control	The California Department of Toxic Substances Control proposes to integrate the historical hard copy documents related to DTSC's Site Cleanup, Permitting and Enforcement activities into EnviroStor and to develop interconnectivity between DTSC's EnviroStor database and U.S. EPA's Envirofacts database systems.	\$ 200,000	9/15/2011
California Dept. of Toxic Substances Control	The California Department of Toxic Substances Control (DTSC) proposes to integrate and consolidate environmental datasets from the local, regional, state and federal authorities of the Modesto region in the Central Valley of California and the exchange of the integrated dataset on the Exchange Network (EN). Also, create ArcGIS Geodatabase (gdb) using DTSC-established, OGC-compatible standards (projection, datum, metadata). The project will develop plume maps for Volatile Organic Compounds (VOCs) in soil gas and groundwater.	\$ 120,000	9/15/2011
California Dept. of Public Health	The California Department of Public Health (CDPH) proposes to develop a web-services Laboratory Information Management System (LIMS) interface applicable to 26 State public health laboratories. They will also establish an Air Quality System (AQS) data flow to allow State public health laboratories to share measurements.	\$ 59,000	9/19/2011
Colorado Dept. of Public Health	The Colorado Department of Public Health and Environment (CDPHE) propose to exchange ambient air quality monitoring data with EPA via the Air Quality System (AQS) data exchange on the Exchange Network (EN). To complete this, Air Pollution Control Division (APCD) will update the hardware and software of the system used to collect data from Colorado's network of ambient air monitoring sites with the intent of enabling automated data validation routines. The implementation of such routines will allow the majority of data collected by APCD to flow to AQS via EN automatically and identify individual data points or intervals for additional inspection.	\$ 178,858	9/19/2011

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Delaware Dept. of Natural Resources and Environmental Control	The Delaware Department of Natural Resources and Environmental Control proposes to provide a unified electronic flow of source testing data, where states can receive, review, store, search, and retrieve source test reports that are submitted electronically; be an efficient use of resources by building off the existing capabilities of U.S. EPA's Electronic Reporting Tool (ERT), or similar system, as the primary software tool to perform input source testing data and perform calculations; use EPA's Central Data Exchange (CDX) as a single centralized access point to receive test plans and reports; and develop sufficient customization and flexibility to meet project partner's data submittal needs.	\$ 350,000	9/28/2011
Florida Dept. of Environmental Protection	The Florida Department of Environmental Protection proposes to enable the ambient monitoring data and associated metadata for ambient monitoring to use the Exchange Network for submittal of the regulatory ambient air monitoring data for the State of Florida.	\$ 74,500	9/13/2011
Hawaii Dept. of Health	The Hawaii State Department of Health proposes to develop and implement the Integrated Compliance Information System-National Pollutant Discharge Elimination System (ICIS_NPDES) data exchange for permit, inspection, and enforcement action data families.	\$ 200,000	9/16/2011
Illinois Dept. of Public Health	The Illinois Department of Public Health (IDPH) proposes to enhance its Safe Drinking Water Information Systems (SDWIS) through this project proposal by the addition of various add-on features. They plan on implementing Lab to State reporting by XML data, an electronic data verification feature, and the Drinking Water Watch module.	\$ 191,161	9/12/2011

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Indiana The Office of Indiana State Chemist	The Office of Indiana State Chemist (OISC) proposes to upgrade a web-based tool for calculating load duration curves (often used in Total Maximum Daily Loads (TMDL)) into one that will have more utility and improved decision-making capabilities because it connects to the exchange network web services. They will also facilitate the flow of pesticide registration (FIFRA) data sets into the EPA Exchange Network (EN) Central Data Exchange (CDX) which are not now available there.	\$ 197,676	9/20/2011
Indiana Dept. of Environmental Management	The Indiana Department of Environmental Management (IDEM) proposes to extend the IEDX by integrating established National Environmental Information Exchange Network (NEIEN) data schemas and web services with IDEM's Node 2.0 to include the following priority data flows: Resource Conservation and Recovery Act Information System (RCRAInfo) and the Homeland Security Data Exchange. IDEM will extend its collaborative efforts by participating in the Homeland Security and Dept. of Justice data exchange network by sharing IDEM's data set among Indiana's state agencies.	\$ 170,000	9/27/2011
Iowa Dept. of Natural Resources	The Iowa Department of Natural Resources (Iowa DNR) proposes to upgrade Iowa's application and flow to EPA's Facility Registry System (FRS) to take advantage of the geospatial capabilities of Facility ID 3.0 schema, and improve data integration both with FRS and between Iowa's program databases and its data warehouse. DNR also plans to publish Iowa's water body assessment data (also known by EPA's database called ATTAINS) and develop a simple desktop client viewer application. This will allow other states to query and get data related to the 305b program to improve consistency in assessments for rivers that cross state lines.	\$ 200,000	9/20/2011

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Kansas Dept. of Health and Environment	The Kansas Department of Health and Environment proposes to implement a new ambient Air Quality System (AQS) data exchange; implement a new Underground Injection Control (UIC) Class V Well data exchange; and implement new historical chemistry and radiological Water Quality Exchanges (WQX) using the exchange network.	\$ 193,273	9/02/2011
Kentucky Dept. of Environmental Protection	The Kentucky Department of Environmental Protection (KYDEP) proposes to upgrade and modernize their environmental data system. The system modernization will extend the system life cycle of our existing system, which is used by six (6) states.	\$ 200,000	9/06/2011
Louisiana Dept. of Environmental Quality	The Louisiana Department of Environmental Quality proposes to upgrade the Air Monitoring software and database; develop and implement an Air Quality System (AQS) Exchange Network data flow; and develop and implement Toxics Release Inventory (TRI) Exchange Network data flow.	\$ 119,642	9/09/2011
Maine State Planning Office	The Maine State Planning Office proposes to develop reusable, transferrable software services that will enable the EN community and the general public to request and access data from node installations that will be delivered via OGC services such as web Mapping Service (WMS), the web feature service (WMS) and the Sensor Observation Service (SOS).	\$ 298,312	9/29/2011
Maryland Dept. of Environment	The Maryland Department of the Environment (MDE) proposes to complete two network exchange data flows for Toxic Release Inventory System (TRIS) and eBeaches.	\$ 196,639	9/29/2011
Michigan Dept. of Natural Resources and Environment	The Michigan Department of Natural Resources proposes to develop an expanded water quality data exchange (WQX); expand the data exchange to include biological monitoring data; develop an activity tracking and metadata data exchange; and provide data integration or harmonization options.	\$ 350,000	9/30/2011

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Mississippi Dept. of Environmental Quality	The Mississippi Department of Environmental Quality (MDEQ) proposes to implement a data sharing solution for MDEQ and Yazoo Mississippi Delta Water Management District (YMD) groundwater withdrawal and surface water diversion permit data.	\$ 200,000	3/6/2012
Missouri Dept. of Natural Resources	The Missouri Department of Natural Resources proposes to upgrade the Air Quality Data System (AQDS); to develop a Toxic Release Inventory (TRI) plug-in and data flow to upgrade the Underground Injection Control (UIC) system and data flow.	\$ 199,439	9/20/2011
Montana Dept. of Environmental Quality	The Montana Department of Environmental Quality (MTDEQ) proposes to develop the Underground Storage Tank (UST) and Leaking Underground Storage Tank (LUST) Facility Registry System (FRS) data, verify and improve UST and LUST location data focusing on active tank and release sites (including LUST Trust ARRA sites), and establish internal and external partnerships for data sharing and technology reuse.	\$ 200,000	9/29/2011
Nevada Dept. of Environmental Protection	The Nevada Department of Conservation & Natural Resources proposes to upgrade their system for submittal of air monitoring data to the Air Quality System (AQS) and upgrade their Facility Profiler system and data flow to the Facility Registry System (FRS).	\$ 61,572	9/12/2011
New Hampshire Dept. of Environmental Control	The New Hampshire Department of Environmental Services proposes to continue to maintain and enhance the 1:24,000-scale NH Hydrography Dataset (NHHD) by integrating storm water and wastewater infrastructure into the existing hydrographic network in the Great Bay Estuary watershed, where water quality impacts are a priority concern.	\$ 132,842	9/27/2011
New Jersey Dept. of Environmental Protection	The New Jersey Department of Environmental Protection proposes to streamline the data collection, data normalization, and analysis process needed to prepare a bi-annual dataset for Integrated Reporting.	\$ 200,000	9/22/2011

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New Mexico Environmental Department	The New Mexico Environment Department proposes to develop Java2 versions of the TRI plug-in, obtain the TRI submit manifest service for the OpenNode2, and create a NMED database repository for the NM TRI data.	\$ 100,000	9/26/2011
Nevada Division of Environmental Protection	The Nevada Department of Conservation & Natural Resources proposes to upgrade its system for submitting air monitoring data to the Air Quality System (AQS) and upgrade its Facility Profiler system and Facility Registry System (FRS) data flow.	\$ 61,572	9/13/2011
North Carolina Dept. of Environment and Natural Resources	The North Carolina Department of Environment and Natural Resources (DENR) proposes to develop a new outbound RCRAInfo Handler data plug-in for OpenNode2, which will allow the NC Node to receive copies of RCRAInfo data from the EPA Central Data Exchange and eliminate the dual data entry burden for DENR's Division of Waste Management staff. The project will also develop an updated plug-in for OpenNode2 to support version 2.0 of the UIC schema.	\$ 140,500	9/28/2011
North Dakota Dept. of Health	The North Dakota Department of Health proposes to update the North Dakota version of the Facility Profiler Warehouse Database, especially the geo-coding capabilities, and improve the interactive web mapping tool. The update will include implementing the most current facility data flow on the state network node. The Department will also update its Electronic Reporting Information System (ERIS) which is a Cross-Media Electronic Reporting Rule (CROMERR) approved system to allow National Pollutant Discharge Elimination System (NPDES) permitted facilities to submit Discharge Monitoring Report (DMR) data electronically.	\$ 200,000	9/20/2011
Ohio Environmental Protection Agency	The Ohio Environmental Protection Agency proposes to complete the mapping of their ATTAINS-related data to the Office of Water Integrated Report Attribute (OWIR-att) and National Hydrography Dataset Event (NHDEvent) Extensible Markup Language (XML) schemas, to automate this data exchange with EPA using the Exchange Network.	\$ 40,000	9/29/11

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Oklahoma Dept. of Environmental Quality	The Oklahoma Department of Environmental Quality proposes to move the tracking and submission of former STORET data into an improved internal data-management system, format the data for WQX, and submit it to the EPA using the Exchange Network. Add geospatial data for regulated entities and other points of environmental interest stored in department databases in a searchable “Facility Profiler” system.	\$ 199,960	9/26/2011
Oregon Dept. of Environmental Quality	The Oregon Department of Environmental Quality proposes to upgrade the previous RCRAInfo data submission to the newest available version. It also plans to use the AQS data exchange to help integrate data sources, increase data efficiency, and provide frequent data submissions. Finally, it plans to continue participation with the Exchange Network (EN) governance boards, provide mentorship to EN partners, continue to outreach on EN priorities with staff and external partners, and continue to collaborate with program staff on the EN benefits, efforts and progress.	\$ 200,000	9/02/2011
Pennsylvania Dept. of Environmental Protection	The Pennsylvania Department of Environmental Protection proposes to continue to develop and deploy two additional Exchange Network Phase 1 priority data flows, UIC and eBeaches, and to continue to upgrade and migrate to existing flows from PADEP’s Node 1.1 to its Node 2.0 environment. PADEP also plans to provide data from at least one of these flows to the (Commonwealth) enterprise level by utilizing web services or the metadata to publish data through the corporate business intelligence suite of Business Objects data access tools.	\$ 199,770	9/22/2011
Pennsylvania Dept. of Environmental Protection	The Pennsylvania Department of Environmental Protection proposes to replace an emission inventory and compliance system with EPA’s CERS schema, meet CROMERR and EPA Emission Inventory System (EIS) requirements, expand and improve emissions and compliance data collection and reporting, utilize the Exchange Network to implement an automated data exchange with EPA for criteria pollutants and toxics; and publish emissions data in an e-Government portal.	\$ 200,000	2/14/2012

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Rhode Island Dept. of Environmental Management	The Rhode Island Department of Environmental Management proposes to develop a Cross-Media Electronic Reporting Rule (CROMERR) compliant web portal and establish an online permitting application. It will also upgrade its existing WQX and FRS flows to the Node 2.0 specification.	\$ 140,000	9/26/2011
South Carolina Dept. of Health and Environmental Control	The South Carolina Department of Health and Environmental Control proposes to enhance its ability to collect environmental data electronically by developing a system that will facilitate the on-line submission of environmental permitting applications and reporting data.	\$ 200,000	9/30/11
South Dakota Dept. of Environment and Natural Resources	The South Dakota Department of Environment and Natural Resources (SD DENR) proposes to build two new priority data flows; Underground Injection Control (UIC) and Air Quality System (AQS).	\$ 147,367	9/22/2011
Tennessee Dept. of Environment and Conservation	The Tennessee Department of Environment and Conservation (TDEC) proposes to enhance its network presence by implementing the Air Quality System (AQS) and the Assessment TMDL Tracking and Implementation System (ATTAINS) data exchanges.	\$ 200,000	9/06/2011
Texas Commission of Environmental Quality	The Texas Commission on Environmental Quality (TCEQ) proposes to build 15 new Air Quality System (AQS) Version 3 data flows; develop flows for the Integrated Compliance Information System–National Pollutant Discharge Elimination System (ICIS-NPDES) inspection and enforcement data families; and build a RCRA oil handler data flow.	\$ 200,000	9/16/2011
Vermont Dept. of Environmental Conservation	The Vermont Department of Environmental Conservation (VTEC) proposes to develop and implement an electronic Integrated Compliance Information System- National Pollution Discharge Elimination System data flow that will exchange program data with the EPA through the Exchange Network.	\$ 200,000	1/5/2012
Washington Recreation and Conservation Office	The Washington State Recreation and Conservation Office propose to adopt the National Hydrography Dataset (NHD) as the official state Hydrography layer.	\$ 200,000	9/20/2011

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Wisconsin Dept. of Natural Resources	The Wisconsin Department of Natural Resources (WDNR) proposes to continue final processing of hydrologic units (HUCs) in Wisconsin to high resolution NHD and develop a specific data exchange format to facilitate reporting of the state's water use data to the Great Lakes Commission; design, develop and implement a shared method to send sample information from the DNR to the Wisconsin State Lab of Hygiene prior to, or concurrent with, the transmittal of the actual sample for analysis; develop, test and implement the Air Quality System (AQS) data flow, enhancing and streamlining the data review and validation process; and assimilate and integrate state (stationary source) and federal (TRI) air emission inventories for quality assurance, analysis, and improved reporting.	\$ 200,000	5/21/2012
Wyoming Dept. of Environmental Quality	The Wyoming Department of Environmental Quality (WDEQ) proposes to make the submission of permit applications and monitoring data to the Wyoming Pollutant Discharge Elimination System (WYPDES) EPA Cross-Media Electronic Reporting Rule (CROMERR) compliant.	\$ 100,000	9/30/2011
TRIBES			
Seldovia Village Tribe Alaska	The Seldovia Village Tribe (SVT) proposes to expand its Water Quality Exchange (WQX) data flow to include geospatial data collected by SVT personnel, as well as water quality data from the Kachemak Bay Area, Alaska, collected from other local environmental organizations.	\$ 149,155	9/26/2011

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Hualapai Tribe Arizona	The Hualapai Tribe Department of Natural Resources (HDNR) proposes to conduct activities to support network infrastructure development and data exchange, analysis, and integration enhancement. This network development and enhancement is integral to an ongoing effort led by HDNR to improve a digital data system for transmission of air, water quality, and other environmental monitoring data to the EPA and other agencies.	\$ 95,000	9/15/2011
Big Valley Rancheria Band of Pomo Indians California	The Big Valley Rancheria Band of Pomo Indians proposes to develop a Clear Lake Data Water Exchange which will bring together multiple jurisdictions to build a comprehensive source of water quality data; increase their Tribal members' ability to access real time water quality data through the development of web pages that link their environmental monitoring to its maps and Water Quality Exchanges (WQX); and increase expand the data exchange to include local tributary monitoring.	\$ 161,730	9/19/2011
Bishop Paiute Tribe California	The Bishop Paiute Tribe proposes to increase speed, efficiency, and timeliness of Air Quality System (AQS) submissions; analyze climate data for the Bishop area; enhance participation in Safe Drinking Water Information System (SDWIS) data exchange; and streamline the Water Quality Exchange (WQX) flow.	\$ 200,000	9/22/2011
Coeur d' Alene Tribe Idaho	The Coeur d'Alene Tribe proposes to enhance their Water Quality Exchange (WQX) data collection and data access from its current version. Specifically, it will create a database that will allow for a more streamlined approach to flowing data to EPA. It will also develop a standardized field data collection form for tribes to utilize in northwest states. Once this is finished, the tribe will build an ArcPad application to facilitate field collection efforts and maintain consistent data collection procedures leading to better environmental decision making. Finally, the tribe proposes to create a web application that will allow a user to access water quality monitoring data via an interactive map server.	\$ 194,917	9/20/2011

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Houlton Band of Maliseet Indians Maine	The Houlton Band of Maliseet Indians (HBMI) Natural Resource Department proposes to implement a Water Quality Exchange (WQX) program.	\$ 79,163	4/18/2012
Washoe Tribe of Nevada and California Nevada and California	The Washoe Tribe of Nevada and California proposes to deploy a Node 2.0 and to implement the Water Quality Exchange (WQX) data flow.	\$ 129,673	9/22/2011
Cherokee Nation Oklahoma	Cherokee Nation proposes to publish Open Dump, Water Quality, and Air Quality data using Node-based solicit calls, allowing the data to be retrieved by the Exchange Network Community with the Exchange Network Browser. This will increase the visibility of Cherokee Nation data.	\$ 175,000	9/20/2011
Eastern Shawnee Tribe of Oklahoma Oklahoma	The Eastern Shawnee Tribe of Oklahoma Environmental Department proposes to: establish a node to submit data to EPA's Water Quality Exchange (WQX); provide training on how to utilize the node for reporting 106 data; establish uniformed collection and reporting techniques among the participating tribes; and develop an ArcGIS Server application to analyze the water quality data, including modeling of on a regional level.	\$ 116,227	9/26/2011
Kaw Nation Oklahoma	The Kaw Nation Environmental Department (KNED) proposes to implement the Air Quality Systems (AQS) and Emissions Inventory Systems (EIS) data flows, building on the knowledge the tribe gained from implementing the WQX data flow.	\$ 199,393	9/20/2011
Muscogee Creek Nation Oklahoma	The Muscogee Creek Nation (MCN) proposes to implement the WQX data flow, replacing its current upload method using WQX Web. With the establishment of the node, the MCN can plan to incorporate node clients with tribal towns who have water quality data to upload.	\$ 200,000	9/20/2011

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Port Gamble S'Klallam Tribe Washington	The Port Gamble S'Klallam Tribe (PGST) Natural Resources Department proposes to implement the WQX data flow and also to submit water quality data using the Northwest Indian Fisheries Commission (NWIFC) Juvenile Migrant Data Exchange (JMX).	\$ 132,230	9/7/2011
TERRITORIES			
American Samoa	The American Samoa Environmental Protection Agency (AS-EPA) proposes to reconfigure the Agency's networking and database infrastructure; expand Geographic Information System (GIS) capabilities across Agency programs; and develop integrated Agency-wide reporting and data standards.	\$ 200,000	8/29/2012
Commonwealth of the Northern Mariana Island	The Commonwealth of the Northern Mariana Islands Division of Environmental Quality (CNMI DEQ) proposes to expand data flows to include data from the Underground Injection Control (UIC) Program and data collected under the new Safe Drinking Water Rules.	\$ 200,000	8/29/2011