FY 2015 EXCHANGE NETWORK GRANT PROGRAM AWARDS

Office of Environmental Information
U.S. Environmental Protection Agency
FY 2015 Grants

FY2015 EXCHANGE NETWORK GRANT PROGRAM TOTALS		
Type of Recipient	**Total Number of Awards**	**Total Amount of Awards**
States	31	$8,588,188.00
Tribes	4	$1,238,606.69
Territories	1	$141,600.04
All Recipients	36	$9,968,394.73

FY 2015 EXCHANGE NETWORK GRANT PROGRAM RECIPIENTS		Award Amount	Award Date
Recipient Name	**Project Description**	**Award Amount**	**Award Date**
STATES			
Arizona Department of Environmental Quality	The Arizona Department of Environmental Quality proposes to streamline and modernize air compliance reporting for efficient data upload; and to streamline and consolidate emissions reporting for enhanced data sharing and improved billing process.	$473,305	9/21/2015
California Department of Water Resources	The California Department of Water Resources (CDWR) proposes to partner with the Western States Water Council (WSWC), State of South Dakota Department of Environment and Natural Resources, and State of Nevada, Division of Water Resources to implement the Water Data Exchange (WaDE) dataflow through an interstate data aggregation platform, based on the WSWC's WaDE data schema and framework.	$442,768	7/23/2015
California University of California-Davis	The University of California, Davis proposes to implement a virtual node to improve the ease with which tribes and state agencies can retrieve water-sustainability data; improve retrieval and interpretation of water sustainability information; and increase the likelihood of decision-making supporting sustainability by the range of water users from individuals to state organizations.	$499,896	7/29/2015
Colorado Department of Public Health & Environment	The Colorado Department of Public Health and Environment proposes to develop and implement tools for the reporting and evaluation of SDWIS Prime Data.	$284,898	7/27/2015
Delaware Department of Natural Resources and Environmental Control	The Delaware Department of Natural Resources proposes to migrate from its use of Safe Drinking Water Information System (SDWIS) Federal Reporting Services System to SDWIS Prime and to update its Water Quality Exchange dataflow to ensure compliance with the latest schema updates.	$159,000	8/20/2015

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STATES			
Hawaii Department of Health	The Hawaii Department of Health proposes to design, develop, and implement the Integrated Compliance Information System for Air data exchange.	$197,815	6/1/2015
Idaho Department of Environmental Quality	The Idaho Department of Environmental Quality proposes to develop database schema for housing data relevant to the National Pollutant Discharge Elimination System; transmit data via the Central Data Exchange to the Integrated Compliance Information System-Permit Compliance System; standardize data reporting and storage to ensure data quality; and develop, test, and deploy web-based applications for application submittals, electronic notice of intents, and Network Discharge Monitoring Reports.	$299,996	6/9/2015
Indiana Purdue University	The Purdue University Research Foundation proposes to enhance the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) data flow to the Water Quality Exchange (WQX) through the creation of reporting process documentation and outreach to other organizations interested in FIFRA reporting; create tailored Representational State Transfer services from the WQX data stream; and enhance the Indiana Water Quality Monitoring Inventory database and map.	$223,104	7/29/2015
Kentucky Department for Environmental Protection	The Kentucky Department of Environmental Protection (KYDEP) proposes to review its current water quality data management business processes and make any necessary changes based on the business process requirements recommended in the final report of Total Maximum Daily Load Tracking and Implementation System Redesign Planning Workgroup 2; and design and implement a new Extensible Markup Language flow and Application Programming Interface assessment module for the existing Kentucky Water Assessment Data for Environmental Monitoring System.	$290,624	9/30/2015
Louisiana Department of Environmental Quality	The Louisiana Department of Environmental Quality (LDEQ) proposes to develop a new application for water quality data access whereby raw data and summary level results are accessible in a geospatial based interface; and to develop a data collection application for direct field data entry.	$300,000	6/9/2015

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Missouri Department of Natural Resources	The Missouri Department of Natural Resources proposes to scope, design, and implement a compliance assistance portal for local governments hosted on or accessed through the state website for ATTAINS.	$465,550	9/18/2015
Missouri Department of Natural Resources	The Missouri Department of Natural Resources (DNR) proposes to assess and upgrade the Assessment Total Maximum Daily Load (TMDL) Tracking and Implementation System (ATTAINS). The new ATTAINS will be a cloud-based application that states, tribes, and EPA can use to track water quality assessment decisions, TMDLs, priority areas, and report on strategic measures.	$200,000	7/27/2015
Montana Department of Environmental Quality	The Montana Department of Environmental Quality proposes to implement database changes to accommodate dataflow and implement the new Assessment Total Maximum Daily Load Tracking and Implementation System v1.0 dataflow.	$100,000	7/27/2015
Nebraska Department of Environmental Quality	The Nebraska Department of Environmental Quality (NDEQ) proposes to design and implement agency data systems to centralize the storage of all water quality based data; develop tools/applications to assess surface water quality data against Title 117 - NE Surface Water Standards; and expand NDEQ's current node to implement the ATTAINS v1.0 and Water Quality Exchange 3.0 data flow submittal process.	$130,000	7/27/2015
Nevada University of Nevada, Reno	The University of Nevada, Reno - Board of Regents proposes to implement a National Green Business database of Green Business Programs; establish 6 state interfaces on the National GreenBizTRACK; flow data into National Environmental Information Exchange Network pollution prevention P2 Results data system; implement a web-based Green Business Program user guide for partner states; create a Resources Page to assist businesses in move toward greener operations; and pilot the National System Administration – completing a long-term study on expanding the database to other states.	$499,969	7/29/2015
Nevada Department of Conservation & Natural Resources	The Nevada Department of Conservation and Natural Resources proposes to implement the new Integrated Compliance Information System-National Pollutant Discharge Elimination System General Permit data flow.	$132,134	5/27/2015

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New Hampshire Department of Environmental Services	The New Hampshire Department of Environmental Services proposes to establish a virtual node instance for the state of New Hampshire in accordance with Virtual Node Guidance and Recommendations Document v1.0 that will replace Node 2.0. The State will ensure all data currently flowed through Node 2.0 are successfully flowed through the virtual node, including Integrated Compliance Information System–air data and Air Quality System data.	$300,000	5/22/2015
New Mexico Environmental Department	The New Mexico Environment Department proposes to implement a Tier 1 Integrated Compliance Information System of Air (ICIS-Air) dataflow for electronic data transfer of compliance data from delegated state agency databases through the Central Data Exchange to ICIS-Air.	$124,730	7/23/2015
New Mexico Environmental Department	The New Mexico Environmental Department proposes to collaborate with the Environmental Protection Agency to develop the Water Quality Framework/Assessment Total Maximum Daily Load Tracking and Implementation System (ATTAINS) re-design schema related to 303(d), 305(b), and Total Maximum Daily Load (TMDL) reporting; enable electronic reporting from New Mexico Surface Water Quality Information Database to the new Water Quality Framework/ATTAINS re-design schema related to 303(d), 305(b), and TMDL reporting; and share project products and knowledge of electronic reporting of 303(d), 305(b), and TMDL-related data with EPA and interested states.	$166,028	7/23/2015
New Mexico Environmental Department	The New Mexico Environment Department (NMED) proposes to engage in the Environmental Protection Agency discovery and solutions assessment for Federated Identity Management; assess and document host state (NMED) discovery and solutions assessment engagement for Federated Identity Management; assess and document partner states (Tennessee and Wyoming) discovery and solutions assessment engagement for Federated Identity Management; and conduct contract and grant administration for Federated Identity Management Readiness Assessment Partnership Project.	$472,737	9/21/2015

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Ohio Environmental Protection Agency	The Ohio Environmental Protection Agency proposes to build web services shareable with direct entry/java environment Exchange Network (EN) partners who use two or more Resource Conservation and Recovery Act Information Federal Web Services. They will also develop reusable web services and a Java OpenNode2 plug-in to automatically provide facilities' stack tests, emissions, and compliance data to United States Environmental Protection Agency's Compliance Enforcement Data Reporting Interface.	$300,000	5/20/2015
Oregon Department of Environmental Quality	The Oregon Department of Environmental Quality proposes to implement the Facility Registry System (FRS) exchange, use the FRS data flow to show the feasibility of a publishing model that can display data from multiple sources while also consuming from multiple sources, and mentor and collaborate with other EN partners.	$115,000	7/27/2015
Pennsylvania Department of Environmental Protection	The Pennsylvania Department of Environmental Protection (PA DEP) proposes to map PA DEP State Laboratory Information Management System data elements to the Assessment Total Maximum Daily Load Tracking and Implementation System (ATTAINS) Extensible Markup Language Schema; implement the production of the ATTAINS dataflow; modify the PA DEP State Laboratory Management System; and implement virtual node application.	$267,510	8/6/2015
Tennessee Department of Environmental & Conservation	The Tennessee Department of Environment and Conservation proposes to utilize one or more components of the shared Cross-Media Electronic Reporting Regulation (CROMERR) Services and develop a CROMERR compliant electronic reporting system for hazardous waste.	$241,931	7/23/2015
Utah Automated Geographic Reference Center	The Utah Automated Geographic Reference Center proposes to develop data entry and management tools for the underground injection control Geodatabase.	$102,605	7/27/2015
Utah Department of Environmental Quality	The Utah Department of Environmental Quality proposes to develop a general platform architecture for tablet-based field collection of environmental data.	$110,581	7/27/2015

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Utah Department of Environmental Quality	The Utah Department of Environmental Quality (DEQ) proposes to map their Safe Drinking Water Information System (SDWIS) Auxiliary Reports Application/ Construction Assistance, Source Protection and Engineering Reviews Application to SDWIS Prime; map the Analyte Reporting Tool Application to SDWIS Prime; map an automated Sanitary Survey/Level 2 Assessment Application (Electronic Sanitary Survey or equivalent) to Prime; map DEQ's Interactive Map (a GIS–based application that maps sites regulated by DEQ) to SDWIS Prime; and develop the capability to provide a Geographic Information System based Emergency Response Tool.	$300,000	6/9/2015
Vermont Department of Environmental Conservation	The Vermont Department of Environmental Conservation proposes to identify project and Waste Management and Prevention Division (WMPD) requirements; implement a data warehouse and publish regulated WMPD Facility Information; gather requirements for the Air Quality and Climate Division (AQCD); publish regulated AQCD facility information to be shared across department programs and with the general public; connect to the Integrated Compliance Information System of Air data exchange; develop web services; and send Facility Registry System/Facility Identification data to the EPA.	$290,000	5/22/2015
Washington Recreation and Conservation Office	The Washington Recreation and Conservation Office and Governor's Salmon Recovery Office proposes to design a data flow for the Adult Salmon Migrant Data Exchange; build a new Exchange Network flow for Adult Salmon Migrant Data Exchange; build a web service to view adult salmon migrant data and analyze adjacent spatial information; deploy the Adult Salmon Migrant Data Exchange; and train and mentor people using the exchange.	$498,007	7/27/2015

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STATES			
West Virginia University Research Corporation	The West Virginia University proposes to obtain and organize a detailed set of digital (vector Geographic Information System (GIS) and aerial photography) data to support the identification of streams modified or destroyed by surface mining; create and publish (via a Representational State Transfer web map service) a vector GIS dataset of streams modified or destroyed by surface mining; collect from aerial photography vector GIS representations of post-mining surface drainage conditions; and edit the high resolution National Hydrography Dataset data set of West Virginia to more accurately reflect post-mining surface water conditions.	$300,000	1/14/2016
Wisconsin Department of Natural Resources	The Wisconsin Department of Natural Resources (WDNR) proposes to update Wisconsin's data flows to fully implement the Environmental Protection Agency's (EPA) new national data exchange flow configuration; update Wisconsin's Water Quality Exchange (WQX) Schema to utilize the most recent version that supports physical, chemical, biological, habitat, metric, and index monitoring data. The new WQX v3.0 will include minor field updates to existing infrastructure; develop, share, and consume web services and link Wisconsin's datasets to the National Hydrography Dataset in cooperation with EPA through analytical Geographic Information System methods, data transmittal, and online applications.	$300,000	7/29/2015

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TRIBES			
Kaw Nation Oklahoma	The Kaw Nation proposes to upgrade the existing Kaw Nation Air Quality System database and develop web applications; upgrade the existing Kaw Nation Air Emission database; upgrade the existing Kaw Nation Solid Waste database; and upgrade the existing Kaw Nation Water Quality Exchange database and develop web applications for managing physical, chemical, biological, and habitat data.	$217,417	5/27/2015
Otoe-Missouria Tribe of Indians Oklahoma	The Otoe-Missouria Tribe of Indians, Environmental Department proposes to solicit and introduce additional organizations to the tribal data consortium; configure the publishing of data using the virtual node; improve data quality through standardization and thresholds validation; support sharing of data via Representational State Transfer web services; enhance Ambient Water Quality Monitoring System (AWQMS) Geographic Information System capabilities and implement web services based on open geospatial standards; consume Water Quality Exchange (WQX) Extensible Markup Language files in AWQMS; provide COAT members better support for groundwater and drinking water data; share open dumps data via the Exchange Network; consume Water Quality Portal or other Environmental Protection Agency web services and integrate into AWQMS data analysis tools.	$500,000	7/23/2015
Redwood Valley California	The Redwood Valley Little River Band of Pomo Indians Environmental Protection Department proposes to exchange Water Quality data; foster the use of multimedia and geographic information to address environmental, natural resources, and human health issues; and submit data via virtual node services to the Central Data Exchange.	$235,839.69	7/29/2015
Seldovia Village Tribe Alaska	The Seldovia Village Tribe proposes to develop and publish Air Quality System data collected by the Tribe on a spatial viewer, share it with EPA and other partners; and conduct outreach and collaboration with Exchange Network stakeholders.	$285,350	7/27/2015

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	TERRITORIES		
Northern Mariana Islands Division of Environmental Quality	The Commonwealth of the Northern Mariana Islands proposes to transition the existing Safe Drinking Water Information System (SDWIS) database from 3.0 to SDWIS Prime.	$141,600.04	5/12/2015