FY 2013 EXCHANGE NETWORK GRANT PROGRAM AWARDS
Office of Environmental Information
U.S. Environmental Protection Agency
August 26, 2014

FY2013 EXCHANGE NETWORK GRANT PROGRAM TOTALS		
Type of Recipient	**Total Number of Awards**	**Total Amount of Awards**
Tribes	12	$2,929,400.00
States	28	$6,490,391.00
Territories	2	$500,000.00
All Recipients	42	$9,919,790.00

	FY 2013 EXCHANGE NETWORK GRANT PROGRAM RECIPIENTS			
Recipient Name	**Project Description**	**Award Amount**	**Award Date**	
STATES				
Alabama Department of Environmental Management	The Alabama Department of Environmental Management proposes to implement the virtual node on EPA's Exchange Network.	$55,000	11/7/2013	
Alaska Department of Environmental Conservation	The Alaska Department of Environmental Conservation proposes to create Discharge Results and Online Permitting (DROPS) data publishing web services to expose internal permitting data and business rules to external systems; integrate DROPS and ICIS using combined web services; evaluate virtual node alternative for the Department of Environmental Conservation and develop geospatial validation tool for receiving waters.	$270,441	11/7/2013	
California State Water Resources Control Board	The California State Water Resources Board proposes to move the current California Environmental Data Exchange Network (CEDEN) Node to the EPA's cloud virtual node. Publish data, connect two strategic California water quality data applications, which convert data into information that are used by decision makers and the public to the Exchange Network.	$300,000	11/7/2013	
Colorado Department of Public Health & Environment	The Colorado Department of Public Health & Environment proposes to implement facility portal for the electronic reporting of e-NOI and e-APEN.	$287,888	11/7/2013	
Delaware Department of Natural Resources and Environmental Control	The Delaware Department of Public Health & Environment proposes to develop electronic reporting of notices of intent and flow the data to ICIS. Revise AQS data repository and data flow to comply with new version 3.0 schema.	$150,000	11/7/2013	

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Idaho Department of Environmental Quality	The Idaho Department of Environmental Quality proposes to develop and deploy the Air Facility System data exchange.	$66,522	11/7/2013
Indiana Purdue University AG & Biological Engineering	The Purdue University AG & Biological Engineering proposes to create a software engine (PCGEN) that produces pollutant coefficients from querying water quality data. Upgrade of existing web-based decision support tool, L-THIA LID, to make use of coefficients generated from water quality data drawn from location-based services provided by the USGS and Exchange Network services. Upgrade of another existing web-based decision support tool, P-LDC, to consume from the new service the same set of pollutant coefficients. Create materials and provide extensive outreach and training for the users of the online decision support system. The effort includes an effective public relations campaign to encourage the use of these two specific tolls and the proposed PCGEN.	$286,431	11/7/2013
Iowa Department of Natural Resources	The Iowa Department of Natural Resources proposes to implement and enhance the State and Local Emissions Inventory System (SLEIS) system.	$166,360	11/7/2013
Kentucky Department for Environmental Protection	The Kentucky Department of Environmental Protection proposes to design and develop Microsoft.Net web forms/pages for each NOI so that it meets the requirements of the Kentucky Pollutant Discharge Elimination System (KPDES) permitting process and notice of intent. Design and Develop TEMPO automated data quality checks to improve the administrative and technical review process. Create active data layers to allow real-time GIS review of location data associated with each NOI submission to improve the technical review. Create and Implement ICIS-NPDES XML data flows to automate data extraction to the Exchange Network to eliminate double data entry.	$230,700	11/7/2013

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Maine Department of Environmental Protection	The Maine Department of Environmental Protection proposes to add historical facility OBD data housed in RESCOM & ATS to EFIS. OBD and CAFO data flows to ICIS-NPDES. Build Sewer Overflow Event (CSO, SSO, Bypass) data fields to EFIS. Sewer Overflow Event data flows to ICIS-NPDES, implement stand-alone, CROMMER modules for User Verification and Production of a Document of Record for any Maine, on-line data collection System-Implement CROMMER modules for eDMR-Air facility, Permit, and Compliance data flows to ICIS-AFS.	$194,084	11/7/2013
Michigan Department of Environmental Quality	The Michigan Department of Environmental Quality proposes to design data publishing web services to the Beach Notification data exchange, develop and release an enhanced Beach Notification plugin for ECOS OpenNode2, implement the sustained data flow of WQX and Beach Notification from Michigan's Beach data management to U.S. EPA.	$156,000	11/7/2013
Michigan Department of Environmental Quality	The Michigan Department of Environmental Quality proposes to develop web feature service and GML schema for invasive species, implement geosynchronization-based services to support geospatial data exchange, develop dashboard for geospatial data publishing, integrate and deploy Exchange Network node, geospatial data integration testing, develop Exchange Network documentation and community engagement.	$300,000	11/7/2013
Missouri Department of Natural Resources	The Missouri Department of Natural Resources proposes to implement the new EPA Cross-Media electronic reporting Regulation (CROMMER) web service for compliant functionality. Link other department reporting systems into the new CROMMER web service and build a department API for future CROMMER Compliance.	$300,000	11/7/2013
Montana Department of Environmental Quality	The Montana Department of Environmental Quality proposes to develop middle-tier application program interface (API) to support business and GIS datasets, develop data publishing tool subsets and migrate those datasets for 24/7 exchange and publishing.	$299,990	11/7/2013

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New Mexico Environment Department	The New Mexico Environment Department (NMED) proposes to purchase server to house NMED Environmental Data Repository, create NMED Environmental Date Repository, execute retrieve, verify, tag (or annotate, for sourcing info) and cache procedures for data sources. Develop Java Opennode2 version 2 FacID 2.0 plugin, publish FacID 3.0 data and implement FacID 3.0 data flow with the EPA.	$280,266	11/7/2013
North Carolina Department of Health and Human Services	The North Carolina Department of Health & Human Services proposes to develop a single maintainable, accurate, and up-to-date inventory of NC Class V septic systems. Flow data on Class V septic systems to the EPA Exchange Node (via DENR). Research the required elements of a framework on which to build a more automated Class V septic system surveillance and management system, with improved access to data at the source.	$249,585	11/7/2013
North Dakota Department of Health	The North Dakota Department of Health proposes to update an Air Quality Database to track AFS data and to flow AFS data to EPA using Exchange Network (EN) node, update ambient AQS quality assurance tools and implement updated AQS data flow v 3.0 on EN node, update ERIS system to enable electronic submission of annual compliance certification reports and semi- annual monitoring reports for Title V air emissions sources.	$300,000	11/7/2013
Ohio Environmental Protection Agency	The Ohio Environmental Protection Agency proposes to publish all major Ohio EPA regulated facility information 24/7 out to the public/to publicly accessible web pages. Make Drinking Water Watch (DWW) available to the public through the web. Establish a new node-to-node flow for Drinking Water Parametric Data, continue TRI system support and increased efficiency of the TRI data flow based on XML schema changes and new reporting requirements. Develop a TPA outlining conditions for providing data exchange- related data to identified partners.	$300,000	11/7/2013
South Carolina Department of Health and Environmental Control	The South Carolina Department of Health & Environmental Control proposes to utilize shared CROMERR services and components.	$65,797	11/7/2013
South Dakota Department of Environment and Natural Resources	The South Dakota Department of Environment & Natural Resources proposes to build and implement a virtual node, add biology/habitat data module to WQX flow and build FRS data flow.	$221,524	11/7/2013

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Texas Commission of Environmental Quality	The Texas Commission of Environmental Quality proposes to implement WaDE in pilot state agencies and WSWC.	$500,000	11/7/2013
Utah Department of Natural Resources	The Utah Department of Natural Resources proposes to improve data flow from the Utah Department of Drinking Water (UDDW) Safe Drinking Water Information System (SDWIS) database using an existing Exchange Network (EN) node housed by the Utah Department of Environmental Quality Office of Information Technology (UDEQ OIT). Establish a 24/7 flow of publically available EN water quality data on their website in a geospatial XML format and create publically available, reusable applications to interpret and analyze water quality data.	$241,027	11/7/2013
Utah Department of Environmental Quality	The Utah Department of Environmental Quality proposes to develop and implement an online Emissions Inventory System (EIS), update and expand the Utah Department of Environmental Quality interactive map to include Air Emissions data.	$75,000	11/7/2013
Virginia Department of Environmental Quality	The Virginia Department of Environmental Quality (VADEQ) proposes to standardize the operational flow for structured GIS data within VADEQ using versioning, understand, document, and standardize data creation and maintenance tasks. Map all addresses in CEDS and prioritize their clean up based on quantity and provide external access to the VADEQ geospatial data sets.	$299,998	11/7/2013
Washington Department of Ecology	The Washington Department of Ecology proposes to develop and implement EPA data flows through the Exchange Network for the Underground Injection Control data flow. Develop and implement EPA data flows through the EN for the Clean Water Act Integrated Report and develop web map application for Water Quality Data sharing.	$279,400	11/7/2013
Washington Department of Fish and Wildlife	The Washington Department of Fish and Wildlife proposes to establish project governance, flow design (refine DET, develop XML schema, and flow configuration document), ready partner local data management systems, implement virtual data sharing and implement 24/7 data publishing.	$498,167	11/7/2013
Wisconsin Department of Natural Resources	The Wisconsin Department of Natural Resources proposes to implement Underground Injection Control (UIC) priority data flow to U.S. EPA and add Fish Contaminant and Consumption Advisory data to water quality exchange.	$116,210	11/7/2013

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TERRITORIES				
American Samoa Environmental Protection Agency	The American Samoa Environmental Protection Agency proposes to implement data flows using current agency reporting and data standards, customize and implement cloud based ArcGIS server with web editing applications. Transition to cloud based node using newly developed Integrated agency-wide reporting and data standards surrounding cloud based ArcGIS server.	$200,000	11/7/2013	
Guam Environmental Protection Agency	The Guam Environmental Protection Agency proposes to enhance and improve the Exchange Network infrastructure and populate the Guam facility registry system.	$300,000	11/7/2013	
TRIBES				
Penobscot Nation Maine	The Penobscot Nation proposes to publish benthic macroinvertebrate (with other WQX) data on PIN node and provide referenced web-based WQX summary and assessment tools.	$298,470	11/7/2013	
Saint Regis Mohawk Tribe New York	The Saint Regis Mohawk tribe proposes to publish XML data to publicly accessible website, create geo-enabled field data collection tool and implement virtual node support for states, tribes, and territories.	$293,832	11/7/2013	
Oneida Tribe Wisconsin	The Oneida Tribe of Indians proposes to implement FacID, TRI and RCRAInfo inbound data flow from EPA and establish an Integrated Database and web-based spatial Viewer.	$190,390	11/7/2013	
Fond du Lac Band of Lake Superior Chippewa Minnesota	The Fond du Lac Band of Lake Superior Chippewa proposes to improve communication and information sharing among Region 5 tribes and EPA about wild rice ecology, management, and a standardized method for wild rice monitoring. Collect wild rice data across Region 5 based on the SOPs developed by the tribal consortium and establish a long term regional wild rice database. Compile existing wild rice monitoring data and recent or ongoing wild rice research within EPA Region 5.	$315,458	11/7/2013	
Kaw Nation Oklahoma	The Kaw Nation proposes to develop and implement Exchange Network database and software application for fish and macroinvertebrate and development of exchange flow for fish and macroinvertebrate data.	$131,916	11/7/2013	

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The Muscogee (Creek) Nation Oklahoma	The Muscogee Creek Nation proposes to develop tribal emergency response incident and resource data exchanges, mobile application to allow updates in the field and back to the Muscogee Creek Nation using EN services and a geospatial data viewer using ArcGIS to display partners emergency response information along with pertinent environmental data.	$500,000	11/7/2013
Kickapoo Tribe Kansas	The Kickapoo Tribe proposes to import/enter available historic water quality data from 1990-2012 into the Ambient Water Quality Monitoring System (AWQMS) and flow it to WQX. Establish a sustainable set of procedures and mechanisms for the on-going import, QA/QC, flow, and publishing of monthly or quarterly data sets to WQX. Enhance GIS reporting and data analysis capabilities. Get trained and participate in the Exchange Network conferences to present the KEO's efforts to utilize the success of other EN partners.	$122,700	11/7/2013
Santee Sioux Nation Nebraska	The Santee Sioux Nation proposes to develop standards policy for OEP-Trading partner agreements policy for OEP-data access and Exchange policy for OEP, virtual node creation and data transmission via the Exchange Network.	$40,491	11/7/2013
Bishop Paiute Tribe California	The Bishop Paiute Tribe proposes to flow real time air quality, meteorological and visibility data to Bishop tribal website, adding archival and data analysis capability. Publish integrated air and analytical tools to tribal website and develop data management tools for HFR, NWR, and MA programs.	$268,366	11/7/2013
Hualapai Indian Tribe Arizona	The Hualapai Tribe proposes to refine 24/7 data publishing to EPA through their node client and web site to improve data transfers and data access. Upgrade of data transfer protocol to ensure longevity of data exchanges. Provide database and network training courses and workshops for HDNR personnel to enhance knowledge base for future integration with cloud services and virtual data sharing.	$200,000	11/7/2013
Washoe Tribe of Nevada & California Nevada	The Washoe Tribe of Nevada and California proposes to utilize WQX to flow biological and habitat monitoring parameters and implement a Tribe to EPA flow of air quality data to EPA's AQS system.	$251,000	11/7/2013

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Northwest Indian Fisheries Commission Washington	The Northwest Indian Fisheries Commission proposes to organize project governance, complete project planning/ design phase and build implement an enterprise production database that would use the complete WQX schema. Build a new and enhanced client for water quality data entry, data management, and TWQD/WQX data Exchange. Create a web service to view water quality monitoring locations and associated data and perform analysis of data with regard to adjacent spatial information.	$316,777	11/7/2013