

FY 2013 EXCHANGE NETWORK GRANT PROGRAM AWARDS
Office of Environmental Information
U.S. Environmental Protection Agency
FY 13 Grants

FY 2013 EXCHANGE NETWORK GRANT PROGRAM RECIPIENTS		
Recipient Name	Total Number of Awards	Total Amount of Awards
States	28	\$6,490,765.00
Tribes	12	\$2,929,400.00
Territories	2	\$500,000.00
All Recipients	42	\$9,920,165.00

FY 2013 EXCHANGE NETWORK GRANT PROGRAM RECIPIENTS				
Grant ID	Recipient Name	Project Description	Award Amount	Award Date
STATES / INSTRUMENTALITIES OF THE STATE				
BG-96464613-2	Alabama - Department of Environmental Management	The Alabama Department of Environmental Management proposes to implement a virtual node on the Environmental Protection Agency (EPA) Exchange Network (EN).	\$55,000	11/7/2013

OS-83546601-1	<p style="text-align: center;">Alaska - Department of Environment Conservation</p>	<p>The Alaska Department of Environmental Conservation (ADEC) proposes to create Discharge Results and Online Permitting System (DROPS) Data Publishing Web Services to expose internal permitting data and business rules to external systems; integrate DROPS and Integrated Compliance Information System (ICIS) using combined web services; and develop geospatial validation tool for receiving waters.</p>	\$270,816	11/7/2013
OS-83547101-1	<p style="text-align: center;">California - State Water Resources Ctrl. Board</p>	<p>The California State Water Resources Control Board proposes to move the California Environmental Data Exchange Network (CEDEN) Exchange Network (EN) node to the Environmental Protection Agency's (EPA) cloud. This project also will publish data by connecting two strategic California water quality data applications which convert data into information that is used by decision makers and the public.</p>	\$300,000	11/7/2013
OS-83547201-0	<p style="text-align: center;">Colorado - Department of Public Health and Environment</p>	<p>The Colorado Department of Public Health and Environment proposes to implement facility portal for the electronic reporting of electronic Notice of Intent (e-NOI) and electronic Air Pollution Emissions Notification (e-APEN) information.</p>	\$287,888	11/7/2013
OS-83547801-1	<p style="text-align: center;">Delaware - Department of Natural Resources and Environmental Control</p>	<p>The Delaware Department of Natural Resources and Environmental Control proposes to develop electronic reporting of notices of intent (eNOI) and flow the data to Integrated Compliance Information System (ICIS); and revise Air Quality System (AQS) data repository and data flow to comply with the new version 3.0 schema.</p>	\$150,000	11/7/2013
OS-83547301-0	<p style="text-align: center;">Idaho - Department of Environmental Quality</p>	<p>The Idaho Department of Environmental Quality proposes to develop and deploy an Air Facility System (AFS) data flow.</p>	\$66,522	11/7/2013

OS-83545401-1	<p style="text-align: center;">Indiana - Purdue U.-AG & Biological Engineering</p>	<p>The Purdue University Agriculture and Biological Engineering Department proposes to create a software engine (PCGEN) that produces pollutant coefficients from querying water quality data; upgrade an existing web-based decision support tool, L-THIA LID; upgrade another existing web-based decision support tool, P-LDC; and create materials and provide extensive outreach and training for the users of the online decision support system.</p>	\$286,431	11/7/2013
OS-83548201-0	<p style="text-align: center;">Iowa - Department of Natural Resources</p>	<p>The Iowa Department of Natural Resources proposes to enhance and implement the State and Local Emissions Inventory System (SLEIS) system, which will also provide benefits through reuse to other states using SLEIS.</p>	\$166,360	11/7/2013
OS-83545501-0	<p style="text-align: center;">Kentucky - Department of Environmental Protection</p>	<p>The Kentucky Department for Environmental Protection (KYDEP) proposes to design and develop Microsoft.net web forms/pages for each notice of intent (NOI) so that it meets the requirements of the Kentucky Pollutant Discharge Elimination System (KPDES) permitting process and NOI; design and develop TEMPO automated data quality checks to improve the Administrative and Technical Review process; create active data layers to allow real-time Geographic Information Systems (GIS) review of location data associated with each NOI submission to improve the Technical review; create and implement Integrated Compliance Information System – National Pollutant Discharge Elimination System (ICIS-NPDES) Extensible Markup Language (XML) data flows to automate data extraction to the Exchange Network (EN) to eliminate double data entry; upgrade eForms to use shared CROMERR services and components; and submit eForms Cross-Media Electronic Reporting Regulation (CROMERR) application to EPA.</p>	\$230,700	11/7/2013

OS-83545601-0	<p>Maine - Department of Environmental Protection</p>	<p>The Maine Department of Environmental Protection (DEP) proposes to expand Integrated Compliance Information System – National Pollutant Discharge Elimination System (ICIS-NPDES) data flow; re-utilize Exchange Network (EN) product for Cross-Media Electronic Reporting Rule (CROMERR) compliance; and integrate legacy Air Facility System (AFS) with the ICIS.</p>	\$194,084	11/7/2013
OS-83549201-1	<p>Michigan - Department of Environmental Quality</p>	<p>The Michigan Department of Environmental Quality proposes to develop a web feature service and GML schema for invasive species; develop GeoSync services for data exchange; develop dashboard for geospatial data exchange; develop exchange node integration and documentation; and conduct integration testing, demonstrations and community engagement.</p>	\$300,000	11/7/2013
OS-83547401-1	<p>Michigan - Department of Environmental Quality</p>	<p>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 Environmental Conservation Online System (ECOS) Open Node2; implement the sustained data flow of the Water Quality Exchange (WQX) and Beach Notification from Michigan’s Beach data management system to U.S. EPA.</p>	\$156,000	11/7/2013
OS-83548701-3	<p>Missouri - Department of Natural Resources</p>	<p>The Missouri Department of Natural Resources (MDNR) proposes to implement the new Environmental Protection Agency (EPA) Cross-Media Electronic Reporting Regulation (CROMERR) web service for compliant functionality; link other department reporting systems into the new CROMERR web service; and build a Department Application Program Interface (API) for future CROMERR compliance.</p>	\$300,000	11/7/2013
OS-83545701-1	<p>Montana - Department of Environmental Quality</p>	<p>The Montana Department of Environmental Quality (MTDEQ) proposes to implement the 3-year MTDEQ 24/7 Data Publishing and Exchange Project.</p>	\$299,990	11/7/2013

OS-83547501-2	<p style="text-align: center;">New Mexico - Environment Department</p>	The New Mexico Environment Department (NMED) proposes to implement the Facility Identification (FacID 3.0) data flow.	\$280,266	11/7/2013
OS-83548101-4	<p style="text-align: center;">North Carolina - Department of Health and Human Services</p>	The North Carolina Department of Health and 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 Environmental Protection Agency (EPA) Exchange Node (EN); and 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
OS-83545901-1	<p style="text-align: center;">North Dakota - Department of Health</p>	The North Dakota Department of Health proposes to update Air Quality Database to track Air Facility System (AFS) data (as required by EPA) and to flow AFS data to EPA by the Exchange Network (EN) using EN node; update Ambient Air Quality System (AQS) quality assurance tools and implement updated AQS data flow v 3.0 on EN node; update the Environmental Restoration Information System (ERIS) to enable electronic submission of notification and closure report for Underground Storage Tank (UST) data and notification for Leaking Underground Storage Tank (LUST) data; and update the ERIS system to enable electronic submission of annual compliance certification reports and semi-annual monitoring reports for Title V air emission sources.	\$300,000	11/7/2013

OS-83546001-1	<p style="text-align: center;">Ohio - Environmental Protection Agency</p>	<p>The Ohio Environmental Protection Agency (EPA) 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; and establish a new node-to-node flow for drinking water parametric data; continue Toxic Release Inventory (TRI) system support and increased efficiency of the TRI data flow based on extensible markup language (XML) schema changes and new reporting requirements; provide funding for program attendance at the 2014 EN Annual conference and 2013/14 Region 5 meetings; develop a Trading Partner Agreement (TPA) outlining conditions for providing data exchange-related data to identified partners.</p>	\$300,000	11/7/2013
OS-83546501-1	<p style="text-align: center;">South Carolina - Department of Health and Environmental Control</p>	<p>The South Carolina Department of Health and Environmental Control proposes to utilize shared Cross-Media Electronic Reporting Regulation (CROMERR) services and components.</p>	\$65,797	11/7/2013
OS-83548801-1	<p style="text-align: center;">South Dakota - Department of Environment and Natural Resources</p>	<p>The South Dakota Department of Environment and Natural Resources (SDDENR) proposes to build and implement a virtual node; add biology/habitat data module to Water Quality Exchange (WQX) flow; and build a Facility Registration System (FRS) data flow.</p>	\$221,524	11/7/2013
OS-83546301-2	<p style="text-align: center;">Texas - Commission on Environmental Quality</p>	<p>The Texas Commission on Environmental Quality (TCEQ) proposes to enable the exchange of water planning, water use, and water allocation data between state water agencies, federal agencies, and the public through implementation of the Water Data Exchange (WaDE) at the five partner agencies.</p>	\$500,000	11/7/2013
OS-83547601-0	<p style="text-align: center;">Utah - Department of Environmental Quality</p>	<p>The Utah Department of Environmental Quality (UDEQ) proposes to expand the Utah DEQ interactive map to include air emissions data.</p>	\$75,000	11/7/2013

OS-83547901-1	<p style="text-align: center;">Utah - Dept. of Natural Resources Geological Survey</p>	<p>The State of Utah 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 publicly available EN water quality data on their website in a geospatial extensible markup language (XML) format; and create publicly-available, reusable applications to interpret and analyze water quality data.</p>	\$241,027	11/7/2013
OS-83546901-1	<p style="text-align: center;">Virginia - Department of Environmental Quality</p>	<p>The Virginia Department of Environmental Quality (VADEQ) proposes to leverage VADEQ's Enterprise Geographic Information System (EGIS) to provide high quality information for better awareness and decision making at VADEQ and the Environmental Protection Agency (EPA).</p>	\$299,998	11/7/2013
OS-83546701-1	<p style="text-align: center;">Washington - Department of Ecology</p>	<p>The Washington Department of Ecology proposes to develop and implement Environmental Protection Agency (EPA) data flows through the Exchange Network (EN) for the Underground Injection Controls (UIC) 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.</p>	\$279,400	11/7/2013
OS-83546401-0	<p style="text-align: center;">Washington - Department of Fish and Wildlife</p>	<p>The Washington Department of Fish and Wildlife proposes to develop the data exchange network that will make it possible to quickly and easily share Viable Salmonid Population (VSP) indicators.</p>	\$498,167	11/7/2013
OS-83547701-0	<p style="text-align: center;">Wisconsin - Department of Natural Resources</p>	<p>The Wisconsin Department of Natural Resources proposes to implement Underground Injection Control (UIC) priority data flow to U.S. Environmental Protection Agency (EPA); add Fish Contaminant and Consumption Advisory data to Water Quality Exchange (WQX); and add water grants projects, management practices.</p>	\$116,210	11/7/2013

TRIBES

OS-83545301-2	<p>Tribe, Region 9- Bishop Paiute Indian Tribal Council</p>	<p>The Bishop Paiute Tribe Environmental Management Office proposes to flow real time air quality, meteorological and visibility data to the Bishop tribal website, adding archival and data analysis capability; expand Tribal Water Quality Control Program (WQCP) Database to include specialized measures and improved analytical tools; publish integrated air and analytical tools to tribal website; and develop data management tools for Hazardous Fuels Reduction (HFR), Noxious Weed Reduction (NWR), and Mosquito Abatement (MA) programs.</p>	\$268,366	11/7/2013
OS-83548001-1	<p>Tribe, Region 5 - Fond du Lac Band of Lake Superior Chippewa</p>	<p>The Fond du Lac Band of Lake Superior Chippewa tribe proposes to improve communication and information sharing among Region 5 tribes and the Environmental Protection Agency (EPA) about wild rice ecology, management, and a standardized method for wild rice monitoring; collect wild rice data across Region 5 based on the standard operating procedures (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; format compiled historical wild rice data so it is Water Quality Exchange (WQX) -compatible and configure the existing online Ambient Water Quality Monitoring System (AWQMS) in use by Fond du Lac specifically to migrate wild rice-related water quality and wetlands data to WQX.</p>	\$315,458	11/7/2013
OS-83549101-0	<p>Tribe, Region 9- Hualapai Tribe</p>	<p>The Hualapai Department of Natural Resources (HDNR) proposes to refine the 24/7 data publishing to EPA through our node client and website to improve data transfer and data access; upgrade the data transfer protocol to ensure longevity of data exchanges; and 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.</p>	\$200,000	11/7/2013

OS-83548501-0	Tribe, Region 6 - Kaw Nation	The Kaw Nation tribe proposes to develop a water quality database and data management application pertaining to sediment, fish, bacteria and macroinvertebrates compatible with the U.S. Environmental Protection Agency (EPA) Water Quality (WQ) schema and to develop and implement a WQ fish, bacteria and macroinvertebrate data exchange flow.	\$131,916	11/7/2013
BG-97739201-3	Tribe, Region 7 - Kickapoo Tribe of Kansas	The Kickapoo Tribe in Kansas proposes to import available historic water quality data from 1990 to 2012 in the Ambient Water Quality Monitoring System (AWQMS) and flow it to the Water Quality Exchange (WQX); establish a sustainable set of procedures and mechanisms for the on-going import, Quality Assurance/Quality Control (QA/QC), flow and publishing of monthly or quarterly data sets to WQX; enhance Geographic Information System (GIS), reporting, and data analysis capabilities; and 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.	\$122,700	11/7/2013
OS-83545801-1	Tribe, Region 6 - Muscogee Creek Nation	The Muscogee (Creek) Nation (MCN) proposes to share Water Quality Application with tribal partners; develop and implement Tribal Emergency Response Application; conduct outreach to tribes through Exchange Network (EN) Governance and the Tribal Governance Group; and MCN collaboration.	\$500,000	11/7/2013
	Tribe, Region 10 - Northwest Indian Fisheries	The Northwest Indian Fisheries Commission proposes to organize project governance; complete project planning and design phase; build and implement an enterprise production database that would use the complete Water Quality Exchange (WQX) Schema; build a new and enhanced client for water quality data entry, data management, and tribal water quality database Tribal Water Quality Standards (TWQS)/WQX data exchange; create a web service to view water quality monitoring	\$216,778	11/7/2013

OS-83547001-1	<p>NORTHWEST INDIAN FISHERIES Commission</p>	<p>locations and associated data and perform analysis of data with regard to adjacent spatial information; train and mentor our member tribes to use these tools and enhance their ability to share environmental data with other tribes, the Environmental Protection Agency (EPA) and other Exchange Network (EN) partners.</p>	<p>\$510,770</p>	<p>11/7/2013</p>
OS-83546101-3	<p>Tribe, Region 5 - Oneida Tribe of Indians</p>	<p>The Oneida Tribe of Indians of Wisconsin proposes to implement Facility Identification Exchange (FacID) inbound data flow from the Environmental Protection Agency (EPA); implement Toxics Release Inventory (TRI) inbound data from EPA; implement Resource Conservation and Recovery Act (RCRA) inbound data flow from EPA; and establish an integrated database and web-based Spatial Viewer.</p>	<p>\$190,390</p>	<p>11/7/2013</p>
OS-83546801-3	<p>Tribe, Region 1 - Penobscot Indian Nation</p>	<p>The Penobscot Indian Nation (PIN) proposes to publish benthic macroinvertebrate (with other Water Quality Exchange (WQX)) data on PIN node and provide geo-referenced web-based WQX summary and assessment tools.</p>	<p>\$298,470</p>	<p>11/7/2013</p>
BG-98725906-6	<p>Tribe, Region 7 - Santee Sioux Nation</p>	<p>The Santee Sioux Nation of Nebraska proposes to develop and gain approval of their standards and protocol; use a virtual node; and transmit environmental data via the Central Data Exchange (CDX) and/or the Water Quality Exchange (WQX).</p>	<p>\$40,490</p>	<p>11/7/2013</p>
OS-83546201-1	<p>Tribe, Region 2 - St. Regis Mohawk Tribe</p>	<p>The St. Regis Mohawk Tribe proposes to publish extensible markup language (XML) data to a publicly accessible website; create geo-enabled field data collection tool; and implement virtual node support for states, tribes, and territories.</p>	<p>\$293,832</p>	<p>11/7/2013</p>
OS-83548301-3	<p>Tribe, Region 9 - Washoe Tribe of Nevada and California</p>	<p>The Washoe Tribe of Nevada and California proposes to utilize Water Quality Exchange (WQX) to flow biological and habitat monitoring parameters; implement a tribe to the Environmental Protection Agency (EPA) flow of air quality data to EPA's Air Quality System (AQS).</p>	<p>\$251,000</p>	<p>11/7/2013</p>

TERRITORIES

M-00914014-6	<p>American Samoa - Environmental Protection Agency</p>	<p>The American Samoa Environmental Protection Agency proposes to implement data flows using current agency reporting and data standards; customize and implement a cloud based ArcGIS server with web editing applications; and transition to cloud-based node using newly developed integrated agency-wide reporting and data standards.</p>	<p>\$200,000</p>	<p>11/7/2013</p>
M-00906314-9	<p>Guam - Environmental Protection Agency</p>	<p>The Guam Environmental Protection Agency proposes to enhance and improve the Exchange Network (EN) infrastructure and to populate the Guam Facility Registry System (GFRS).</p>	<p>\$300,000</p>	<p>11/7/2013</p>