

**FY 2014 EXCHANGE NETWORK GRANT PROGRAM AWARDS**

Office of Environmental Information

U.S. Environmental Protection Agency

November 13, 2014

<b>FY2014 EXCHANGE NETWORK GRANT PROGRAM TOTALS</b>		
<b>Type of Recipient</b>	<b>Total Number of Awards</b>	<b>Total Amount of Awards</b>
Tribes	10	\$2,852,588.48
States	28	\$7,455,860.59
Territories	1	\$236,710.30
<b>All Recipients</b>	<b>39</b>	<b>\$10,545,159.37</b>

**FY 2014 EXCHANGE NETWORK GRANT PROGRAM RECIPIENTS**

Recipient Name	Project Description	Award Amount	Award Date
<b>STATES</b>			
<p align="center"><b>Alabama</b> Department of Environmental Management</p>	<p>The Alabama Department of Environmental Management proposes to migrate data from the Air Facility System (AFS) system to the new Integrated Compliance Information System-Air (ICIS-Air) system and implement the Electronic Emissions Reporting System (EERS).</p>	<p align="center">\$108,000</p>	<p align="center">9/2/2014</p>
<p align="center"><b>California</b> Sacramento-San Joaquin Delta Conservancy</p>	<p>The California Sacramento-San Joaquin Delta Conservancy proposes to assemble data in alignment with identified scientific and resource management and regulatory needs; ensure data integrity for all collected data; and facilitate the public dissemination of data to all stakeholders.</p>	<p align="center">\$300,000</p>	<p align="center">6/30/2014</p>
<p align="center"><b>Colorado</b> Department of Public Health &amp; Environment</p>	<p>The Colorado Department of Public Health and Environment proposes to develop and implement the local environmental health reporting tool.</p>	<p align="center">\$243,634</p>	<p align="center">8/26/2014</p>
<p align="center"><b>Connecticut</b> Department of Energy and Environmental Protection</p>	<p>The Connecticut Department of Energy and Environmental Protection proposes to adopt and encourage all applicable data standards for data submission and sharing; transition CTDEEP's current Node to the Environmental Protection Agency's cloud based Virtual Node; develop 24/7 automated data uploads to EPA's Water Quality Exchange (WQX) database; add new data module and upgrade data flow to include macroinvertebrate and periphyton community data, fish tissue results data, and event monitoring data.</p>	<p align="center">\$232,800</p>	<p align="center">7/16/2014</p>
<p align="center"><b>Delaware</b> Department of Natural Resources and Environmental Control</p>	<p>The Delaware Department of Natural Resources and Environmental Control proposes to use modernized Integrated Compliance Information System-Air (ICIS-Air) to submit the data to the Central Data Exchange for the stationary source facility, compliance and enforcement data and expand the data processing and online data entry capabilities to include the remaining delegated National Pollutant Discharge Elimination System (NPDES) program areas. The division intends to build online data entry forms as appropriate and to send all required data for each program area to ICIS-NPDES through their Exchange Network node.</p>	<p align="center">\$288,000</p>	<p align="center">8/12/2014</p>

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<p align="center"><b>Hawaii</b> Department of Health</p>	<p>The Hawaii State Department of Health proposes to design and implement publishing services to provide environmental information to new and existing Exchange Network partners.</p>	<p align="center">\$300,000</p>	<p align="center">6/16/2014</p>
<p align="center"><b>Idaho</b> Department of Environmental Quality</p>	<p>The Idaho Department of Environmental Quality proposes to test and deploy Safe Drinking Water Information System (SDWIS) Prime; build a web portal for SDWIS Prime procedure documents; build and test universally applicable quality assurance/quality control (QA/QC) tools for SDWIS Prime data; test and deploy the Compliance Monitoring Data Portal (CMDP) within SDWIS Prime; build and test tools for state applications.</p>	<p align="center">\$492,312</p>	<p align="center">8/5/2014</p>
<p align="center"><b>Kansas</b> Department of Health and Environment</p>	<p>The Kansas Department of Health &amp; Environment proposes to develop a solution that facilitates the exchange of Clean Air Act (CAA) stationary source compliance and enforcement data between KDHE and the Environmental Protection Agency and is compatible with the new Integrated Compliance Information System-Air (ICIS-Air) system and extensible markup language (XML) schema.</p>	<p align="center">\$219,189.73</p>	<p align="center">7/30/2014</p>
<p align="center"><b>Louisiana</b> Department of Environmental Quality</p>	<p>The Louisiana Department of Environmental Quality proposes to flow water quality data through the WQX data flow, replacing the agency's current manual Water Quality Exchange (WQX) web upload method with a more automated process.</p>	<p align="center">\$299,098.86</p>	<p align="center">6/4/2014</p>
<p align="center"><b>Louisiana</b> Department of Health and Hospitals</p>	<p>The Louisiana Department of Health and Hospitals proposes to implement the Star Laboratory Information Management System (StarLIMS) systems for microbiological sample management and results reporting for drinking water regulations and implement the StarLIMS systems for chemical sample management and results reporting for drinking water regulations.</p>	<p align="center">\$300,000</p>	<p align="center">8/13/2014</p>

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<p align="center"><b>Louisiana</b> Louisiana State University (Ag Center Research and Extension)</p>	<p>The Louisiana State University Agricultural Center proposes to collect existing surface and storm water descriptive data for the Upper Wards Creek watershed sub-segment to create a portfolio/local and virtual node through Representational State Transfer (REST) services for comprehensive water management by establishing GIS layers and integrated data tables with appropriate local ID keys; collect new and continuous water quality and flow data for the Upper Wards Creek sub segment using the portfolio developed in Goal 1 to help determine monitoring needs; enhance lead stakeholder committee and create education/assessment workshops; develop the concept for the first storm water management demonstration and education site at LSUAC BG/Upper Wards Creek subsegment; and develop a water monitoring plan for the local watershed.</p>	<p align="center">\$299,325</p>	<p align="center">7/21/2014</p>
<p align="center"><b>Maryland</b> Department of the Environment</p>	<p>The Maryland Department of the Environment proposes to establish web services in Ambient Water Quality Monitoring System (AWQMS) (based on open geospatial standards) to allow applications such as Geographic Information System (ArcGIS) Desktop and ArcGIS Online to access AWQMS data directly; add support for Representational State Transfer (REST)ful Web Services to allow use of water quality by external tools and websites; automate the synchronization of Water Quality Exchange (WQX) domain value tables in the AWQMS; automate the calculation of metals exceedance thresholds; integrate eBeaches Notification Data into AWQMS; and support capturing water quality assessment information in preparation for the redesigned Assessment, TMDL Tracking And Implementation System/Office of Water Integrated Reporting (ATTAINS/OWIR) Exchange Network flow.</p>	<p align="center">\$471,833</p>	<p align="center">7/2/2014</p>
<p align="center"><b>Michigan</b> Department of Environmental Quality</p>	<p>The Michigan Department of Environmental Quality proposes to implement Integrated Compliance Information System-Air (ICIS-Air) Data Flow between MDEQ and the Environmental Protection Agency (EPA) via the Exchange Network.</p>	<p align="center">\$300,000</p>	<p align="center">9/30/2014</p>

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<p align="center"><b>Minnesota</b> Pollution Control Agency</p>	<p>The Minnesota Pollution Control Agency proposes to modify the existing state systems to accommodate additional data flows for batch processing to Integrated Compliance Information System-National Pollutant Discharge Elimination System (ICIS-NPDES), such as basic facility and permit data, permitted features, limit sets, narrative conditions, tracking events, compliance monitoring, inspections, and enforcement data families and accurately and consistently extract and convert data within various Clean Air Act (CAA) programs from our enterprise database into the extensible markup language (XML) format to electronically transfer data to ICIS-Air.</p>	<p align="center">\$300,000</p>	<p align="center">7/15/2014</p>
<p align="center"><b>Montana</b> Department of Environmental Quality</p>	<p>The Montana Department of Environmental Quality (MTDEQ) proposes to perform systems assessments, requirements identification and project planning; develop data warehouse and ad-hoc query tool; and migrate to Safe Drinking Water Information System (SDWIS) NextGen: modifications to MTDEQ's 8 public water data systems for NextGen interface.</p>	<p align="center">\$299,980</p>	<p align="center">9/10/2014</p>
<p align="center"><b>Nevada</b> Division of Environmental Protection</p>	<p>The Nevada Division of Environmental Protection proposes to develop a new Air Facility System (AFS) data flow for Nevada DEP and to develop a new AFS data flow and upgrade Air Quality System (AQS) data flow for Clark County Department of Air Quality.</p>	<p align="center">\$300,000</p>	<p align="center">7/7/2014</p>
<p align="center"><b>New Hampshire</b> Department of Environmental Services</p>	<p>The New Hampshire Department of Environmental Services proposes to publish continuous stream temperature data to be accessed through web applications that will allow stakeholders to examine the impacts of climate change and other environmental stressors throughout New Hampshire and publish continuous groundwater level fluctuation data to be accessed through web applications that will allow stakeholders to examine the occurrence of droughts and impacts of climate change throughout New Hampshire.</p>	<p align="center">\$272,997</p>	<p align="center">7/8/2014</p>
<p align="center"><b>New Jersey</b> Department of Environmental Protection</p>	<p>The New Jersey Department of Environmental Protection proposes to modernize the New Jersey Environmental Management System-Safe Drinking Water Information System (NJEMS-SDWIS) Interface, modernize lab submittal system and SDWIS Interface; and modernize drinking water publishing.</p>	<p align="center">\$285,000</p>	<p align="center">6/26/2014</p>

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<p align="center"><b>New York</b> Department of Environmental Conservation</p>	<p>The New York Department of Environmental Conservation proposes to develop Integrated Compliance Information System-Air (ICIS-Air) Full Batch Java plugin for OpenNode2 and to implement ICIS-Air Java plugin for OpenNode2.</p>	<p align="center">\$175,000</p>	<p align="center">6/9/2014</p>
<p align="center"><b>North Carolina</b> East Carolina University</p>	<p>East Carolina University proposes to implement virtual node support for states, tribes, and territories; implement data publishing and access application tools; and share data among Exchange Network partners.</p>	<p align="center">\$57,800</p>	<p align="center">7/22/2014</p>
<p align="center"><b>North Dakota</b> Department of Health</p>	<p>The North Dakota Department of Health proposes to add functionality in Electronic Reporting Information System (ERIS) to receive National Pollutant Discharge Elimination System (NPDES) minor reports and flow data to Integrated Compliance Information System National Pollutant Discharge Elimination System (ICIS-NPDES) using Exchange Network node; implement electronic submission of Oil Well Registration into ERIS; and update Drinking Water Program data systems to link with Safe Drinking Water Information System (SDWIS) Prime.</p>	<p align="center">\$80,000</p>	<p align="center">9/23/2014</p>
<p align="center"><b>Ohio</b> Environmental Protection Agency</p>	<p>The Ohio Environmental Protection Agency proposes to integrate Safe Drinking Water Information System (SDWIS) Prime via web services for existing drinking water business applications; integrate SDWIS Prime via drinking water application modifications to consume data with web services; and provide funding for program attendance at Exchange Network -related meetings.</p>	<p align="center">\$300,000</p>	<p align="center">6/6/2014</p>
<p align="center"><b>Oregon</b> Department of Environmental Quality</p>	<p>The Oregon Department of Environmental Quality proposes to implement Environmental Protection Agency's Air Facility System and to provide Exchange Network mentorship and collaboration.</p>	<p align="center">\$210,000</p>	<p align="center">9/16/2014</p>
<p align="center"><b>Texas</b> Commission of Environmental Quality</p>	<p>The Texas Commission on Environmental Quality proposes to implement dataflows from Air Facility System (AFS) to Integrated Compliance Information System- Air (ICIS-Air); implement electronic Notice of Intent (eNOI) flows to Integrated Compliance Information System-National Pollutant Discharge Elimination System (ICIS-NPDES); and modernize the Office of Water Integrated Reporting/Assessment, TMDL Tracking And Implementation System (OWIR/ATTAINS) dataflow.</p>	<p align="center">\$300,000</p>	<p align="center">7/21/2014</p>

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<p align="center"><b>Virginia</b> Department of Environmental Quality</p>	<p>The Virginia Department of Environmental Quality proposes to create and modify Comprehensive Environmental Data System-Air (CEDS-Air) database structures; create and modify web services and define scripts for CEDS-Air data migration, augment CEDS-Air data access, update capability to meet ICIS-Air data definition, and conduct CEDS-Air data migration; conduct regression test, update and correct CEDS-Air, create extensible markup language (XML) files, and utilize the existing local Exchange Network; and complete CEDS-Air updates and test XML file transfer from CEDS to the Central Data Exchange Node.</p>	<p align="center">\$295,048</p>	<p align="center">10/16/2014</p>
<p align="center"><b>Washington</b> Department of Health</p>	<p>The Washington Department of Health proposes to implement radon data flow to the Exchange Network from Washington State and to improve web access to Washington State radon data and information for use by the public.</p>	<p align="center">\$284,393</p>	<p align="center">9/16/2014</p>
<p align="center"><b>Washington</b> Recreation and Conservation Office</p>	<p>The Washington Recreation and Conservation Office proposes to establish project organization and transfer existing stream related attributes to the National Hydrography Dataset as point and line events.</p>	<p align="center">\$141,450</p>	<p align="center">9/4/2014</p>
<p align="center"><b>West Virginia</b> Department of Health &amp; Human Resources</p>	<p>The West Virginia Department of Health and Human Resources proposes to upgrade the Drinking Water Lab Reporting System; develop the Sportfish Consumption Advisory Limit System (SCALES); and to develop the Methamphetamine Collaboration Initiative (MCI).</p>	<p align="center">\$300,000</p>	<p align="center">7/8/2014</p>
<b>TERRITORIES</b>			
<p align="center"><b>Northern Mariana Islands</b> Division of Environmental Quality</p>	<p>The Commonwealth of Northern Mariana Islands (CNMI) Division of Environmental Quality (DEQ) proposes to create web access to DEQ's existing geographic information; create field forms for the Wastewater Earthmoving and Erosion Control (WEEC) and Pesticides and Storage Tanks (PEST) programs at DEQ; and create CNMI Resource Conservation and Recovery Act (RCRA) database.</p>	<p align="center">\$236,710.30</p>	<p align="center">8/14/2014</p>

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<b>TRIBES</b>			
<p align="center">Cherokee Nation Oklahoma</p>	<p>The Cherokee Nation (CN) proposes to publish CN data to a publicly accessible web page; develop an application programming interface to make data on the Cherokee Nation Environmental Programs website available in extensible markup language (XML) format; and continue to promote participation on the Exchange Network.</p>	<p align="center">\$115,000</p>	<p align="center">6/5/2014</p>
<p align="center">Eastern Shawnee Tribe of Oklahoma Oklahoma</p>	<p>The Eastern Shawnee Tribe of Oklahoma proposes to add an additional parameter: Solid Waste (Open dump data exchange); enable a geospatial data exchange for Emergency Response and Recovery; enhance the geo-enabled field data app; provide training on utilizing the node; researching resources to gather relevant environmental data from non-participating agencies/tribes; and provide outreach and education to tribal communities.</p>	<p align="center">\$135,382</p>	<p align="center">7/28/2014</p>
<p align="center">Eight Northern Indian Pueblo Council New Mexico</p>	<p>The Eight Northern Indian Pueblos Council, Inc. (ENIPC) proposes to add additional organizations to data exchange consortium; streamline the import of probe data into Ambient Water Quality Monitoring System (AWQMS) for flow to Water Quality Exchange (WQX); enhance the quality of ENIPC Office of Environmental and Technical Assistance (OETA) data by implementing quality assurance/quality control (QA/QC) standards and threshold checking to improve data consistency; flow Habit Assessment and Benthic Macro-invertebrate Data to WQX; enhance data analysis and reporting capabilities in AWQMS to better support 106/305b/SP-14 reporting requirements for tribes; and implement support for Wetlands Monitoring and Flow of Associated data to WQX.</p>	<p align="center">\$491,302</p>	<p align="center">8/4/2014</p>
<p align="center">Assiniboine and Sioux Tribes of the Fort Peck Indian Reservation Montana</p>	<p>The Fort Peck Tribe proposes to consolidate Underground Injection Control (UIC) data into a local data system; track injection well owners and operators, permits, inspections, violations, and enforcement actions to ensure the Tribal aquifers are not impacted; and share data with other regional tribes, the Environmental Protection Agency regional office, and other external programs by utilizing the UIC Exchange Network flow.</p>	<p align="center">\$270,776</p>	<p align="center">8/28/2014</p>

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<p align="center">Turtle Mountain Band of Chippewa Indians of North Dakota North Dakota</p>	<p>The Turtle Mountain Band of Chippewa Indians (TMBCI) proposes to develop and establish an internal water quality database for the TMBCI using components of the Water Quality Exchange (WQX) published schema; formally integrate the Turtle Mountain Environmental Office water quality database data flow process into the Ambient Water Quality Monitoring System (AWQMS) Exchange Network system and establish flow for sharing non-point best management practices (BMP); and develop applications and tools to streamline data entry, sharing, and accessibility with the newly developed water quality and non-point source BMP database.</p>	<p align="right">\$183,200</p>	<p align="right">8/28/2014</p>
<p align="center">Ute Mountain tribe of the Ute Mountain Reservation Colorado</p>	<p>The Ute Mountain Ute Tribe proposes to significantly increase regional submissions of Water Quality Exchange (WQX) data via the Exchange Network; leverage the Environmental Protection Agency hosted Virtual Node for data publishing services in Ambient Water Quality Monitoring System (AWQMS); flow habitat assessment and benthic macroinvertebrate data to WQX; support continuous water quality monitoring data and flow summary data to WQX; build tribal capacity; and administer and implement grants.</p>	<p align="right">\$314,406</p>	<p align="right">7/15/2014</p>
<p align="center">Native American Environmental Protection Coalition California</p>	<p>The Native American Protection Coalition proposes to provide proper training and assistance to tribes on the Water Quality Exchange (WQX) Exchange Network flow and use of Ambient Water Quality Monitoring System (AWQMS); use AWQMS to consolidate, validate, and analyze their water quality data; and continue to submit water quality data to Environmental Protection Agency WQX using the AWQMS built-in WQX client node.</p>	<p align="right">\$500,000</p>	<p align="right">7/30/2014</p>
<p align="center">Walker River Paiute Tribe Nevada</p>	<p>The Walker River Paiute Tribe proposes to design, develop, and deploy a mobile application to access environmental information; publish data in extensible markup language (XML) to publicly accessible web pages; develop a dashboard program for program managers; upgrade infrastructure to allow end-to-end use of XML format for ambient air quality monitoring data; add a Tribal Environmental Exchange Network (TREN-Net) Tribe; and provide training to existing tribes and new tribes.</p>	<p align="right">\$300,000</p>	<p align="right">7/1/2014</p>
<p align="center">Klamath Tribes Oregon</p>	<p>The Klamath Tribes propose to develop Klamath Basin Environmental Data Network and web based analysis tools.</p>	<p align="right">\$242,522.48</p>	<p align="right">9/19/2014</p>

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Port Gamble S'Kallam Tribe Washington	The Port Gamble S'Klallam Tribe (PGST) proposes to develop and deploy PGST Spatial Viewer and publish data and formalize partnerships.	\$300,000	10/10/2014