

FY 2015 EXCHANGE NETWORK GRANT PROGRAM AWARDS
Office of Environmental Information
U.S. Environmental Protection Agency
FY 15 Grants

FY 2015 EXCHANGE NETWORK GRANT PROGRAM RECIPIENTS		
Recipient Name	Total Number of Awards	Total Amount of Awards
States	31	\$8,588,176.00
Tribes	4	\$1,238,607.00
Territories	1	\$141,600.00
All Recipients	36	\$9,968,383.00

FY 2015 EXCHANGE NETWORK GRANT PROGRAM RECIPIENTS				
Recipient Name	Project Description	Registered Components	Award Amount	Award Date
STATES / INSTRUMENTALITIES OF THE STATE				
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.	20561	\$473,305	9/21/2015

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<p>California - Department of Water Resources</p>	<p>The California Department of Water Resources (CDWR) proposes to establish contracts for CDWR, Western States Water Council (WSWC), and state agency partners; participate with Exchange Network (EN) governance and review EN resources; conduct project partners' meetings, conference calls, and webinars; develop a technical approach plan for each state partner; review the documentation of existing partner programs and data and potential for new elements; map partners' native datasets to the Water Data Exchange (WaDE) database; install the WaDE application (on-site or within a cloud solution); and finalize and publish WaDE documentation and products.</p>	<p><i>Not Available</i></p>	<p>\$442,768</p>	<p>9/21/2015</p>
<p>California - UC Davis</p>	<p>The University of California, Davis proposes to implement virtual node to improve the ease with which tribes and state agencies can retrieve water-sustainability data; improve purpose-driven retrieval and interpretation of water sustainability information; and increase the likelihood of sustainable decision-making by water users at individual to state scales.</p>	<p><i>Not Available</i></p>	<p>\$499,896</p>	<p>7/23/2015</p>
<p>Colorado - Department of Public Health and Environment</p>	<p>The Colorado Department of Public Health and Environment proposes to develop and implement tools for the reporting and evaluation of SDWIS Prime Data.</p>	<p><i>Not Available</i></p>	<p>\$284,898</p>	<p>7/27/2015</p>
<p>Delaware - Department of Natural Resources and Environmental Control</p>	<p>The Delaware Department of Natural Resources (DNREC) proposes to migrate from FedRep to the Safe Drinking Water Information System (SDWIS) Prime and to update the WQX dataflow to ensure compliance with the latest schema updates.</p>	<p>15257</p>	<p>\$159,000</p>	<p>8/20/2015</p>

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Hawaii - Department of Health	The Hawaii Department of Health proposes to design, develop, and implement the Integrated Compliance Information System of Air (ICIS-Air) data exchange.	<i>Not Available</i>	\$197,815	6/1/2015
Idaho - Department of Environmental Quality	The Idaho Department of Environmental Quality proposes to develop database schema for housing National Pollutant Discharge Elimination System (NPDES) relevant data; transmit data via Central Data Exchange (CDX) to Integrated Compliance Information System-Permit Compliance System (ICIS-PCS); standardize data reporting and storage to ensure data quality; and develop, test and deploy web-based applications for application submittal, electronic notice of intent (eNOI), and Network Discharge Monitoring Report (NetDMR).	<i>Not Available</i>	\$299,996	6/9/2015
Indiana - Purdue University	The Purdue University Research Foundation proposes to enhance Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) data flow to Water Quality Exchange (WQX); create tailored Representational State Transfer (REST) services from the WQX data stream; and enhance Indiana Water Quality Monitoring Inventory database and map.	<i>Not Available</i>	\$223,104	7/29/2015

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<p align="center">Kentucky - Department of Energy and Environment Cabinet</p>	<p>The Kentucky Department of Environmental Protection (KYDEP) proposes to review current water quality data management business processes and make any necessary changes based on the business process requirements detailed in the Assessment Total Maximum Daily Load Tracking and Implementation System (ATTAINS) Redesign Planning Workgroup 2 recommendations final report; work with KYDEP contractors to design and implement a new Extensible Markup Language (XML) flow and Application Programming Interface (API) assessment module; organize training for staff; and provide quarterly, annual, and project closure documents as required.</p>	<p align="center"><i>Not Available</i></p>	<p align="center">\$290,624</p>	<p align="center">9/30/2015</p>
<p align="center">Louisiana - Department of Environmental Quality</p>	<p>The Louisiana Department of Environmental Quality (LDEQ) proposes to develop an enhanced data sharing capability of LDEQ water quality data.</p>	<p align="center"><i>Not Available</i></p>	<p align="center">\$300,000</p>	<p align="center">6/9/2015</p>
<p align="center">Missouri - Department of Natural Resources</p>	<p>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.</p>	<p align="center">14338</p>	<p align="center">\$465,550</p>	<p align="center">9/18/2015</p>
<p align="center">Missouri - Department of Natural Resources</p>	<p>The Missouri Department of Natural Resources (DNR) proposes to assess the Total Maximum Daily Load (TMDL) Tracking and Implementation System (ATTAINS).</p>	<p align="center"><i>Not Available</i></p>	<p align="center">\$200,000</p>	<p align="center">7/27/2015</p>
<p align="center">Montana - Department of Environmental Quality</p>	<p>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 (ATTAINS) v1.0 dataflow.</p>	<p align="center">16258</p>	<p align="center">\$100,000</p>	<p align="center">7/27/2015</p>

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<p align="center">Nebraska - Department of Environmental Quality</p>	<p>The Nebraska Department of Environmental Quality (NDEQ) proposes to design and implement agency data systems; develop tools/applications to assess surface water quality data against Title 117 - NE Surface Water Standards; expand NDEQ's current node to implement the ATTAINS v1.0 and Water Quality Exchange (WQX) 3.0 data flow submittal process.</p>	<p align="center"><i>Not Available</i></p>	<p align="center">\$130,000</p>	<p align="center">7/27/2015</p>
<p align="center">Nevada - Board of Regents, NSHE, OBO University of Nevada, Reno</p>	<p>The University of Nevada, Reno - Board of Regents proposes to implement a National Green Business (GB) database of Green Business Programs; establish 6 state interfaces on the National GreenBizTRACK; flow data into National Environmental Information Exchange Network P2 Results (NEIN P2R) data system; implement a web-based Green Business Program user guide for partner states; create Resources Page to assist businesses in self-guiding toward greener operations; pilot the National System Administration.</p>	<p align="center"><i>Not Available</i></p>	<p align="center">\$499,969</p>	<p align="center">7/29/2015</p>
<p align="center">Nevada - Department of Conservation and Natural Resources</p>	<p>The Nevada Department of Conservation and Natural Resources proposes to implement new Integrated Compliance Information System-National Pollutant Discharge Elimination System (ICIS-NPDES) General Permit data flow.</p>	<p align="center">14198</p>	<p align="center">\$132,134</p>	<p align="center">5/27/2015</p>

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<p>New Hampshire - Department of Environmental Services</p>	<p>The New Hampshire Department of Environmental Services (NHDES) proposes to establish virtual node instance for the state of New Hampshire in accordance with Virtual Node Guidance and Recommendations Document v1.0; flow Integrated Compliance Information System of Air (ICIS-Air) flow to the virtual node; flow Air Quality System (AQS) to virtual node; replace Node 2.0 by virtual node. All flows currently flowed through Node 2.0 are successfully flowed to virtual node; and submit Cross-Media Electronic Reporting Regulation (CROMERR) compliance application for completeness review.</p>	<p><i>Not Available</i></p>	<p>\$300,000</p>	<p>5/22/2015</p>
<p>New Mexico - Environment Department</p>	<p>The New Mexico Environment Department proposes to implement Tier 1 Integrated Compliance Information System of Air (ICIS-Air) dataflow for electronic data transfer of compliance data from delegated state agency databases through Central Data Exchange (CDX) to ICIS-Air.</p>	<p><i>Not Available</i></p>	<p>\$124,718</p>	<p>7/23/2015</p>
<p>New Mexico - Environment Department</p>	<p>The New Mexico Environmental Department proposes to collaborate with the Environmental Protection Agency (EPA) on 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 (NM) Surface Water Quality Information Database (SQUID) 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.</p>	<p><i>Not Available</i></p>	<p>\$166,028</p>	<p>7/23/2015</p>

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<p>New Mexico - Environment Department</p>	<p>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.</p>	<p><i>Not Available</i></p>	<p>\$472,737</p>	<p>9/21/2015</p>
<p>Ohio - Environmental Protection Agency</p>	<p>The Ohio Environmental Protection Agency proposes to build web services shareable with direct entry/java environment Exchange Network (EN) partners using two or more Resource Conservation and Recovery Act Information (RCRAInfo) Federal Web Services and develop web services and a Java OpenNode2 plug-in reusable by EN partners to automatically provide facilities' stack test, emissions, and compliance data to United States Environmental Protection Agency's (U.S. EPA's) Compliance Enforcement Data Reporting Interface (CEDRI).</p>	<p><i>Not Available</i></p>	<p>\$300,000</p>	<p>5/20/2015</p>
<p>Oregon - Department of Environmental Quality</p>	<p>The Oregon Department of Environmental Quality (ODEQ) proposes to implement the Facility Registry System (FRS) exchange; determine data publishing feasibility.</p>	<p><i>Not Available</i></p>	<p>\$115,000</p>	<p>7/27/2015</p>

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<p>Pennsylvania - Department of Environmental Protection</p>	<p>The Pennsylvania Department of Environmental Protection (PA DEP) proposes to map PA DEP State Laboratory Information Management System (SLIMS) data elements to the Assessment Total Maximum Daily Load Tracking and Implementation System (ATTAINS) Extensible Markup Language (XML) Schema; implement the production ATTAINS dataflow; modify PA DEP System and implement virtual node application.</p>	<p>14776</p>	<p>\$267,510</p>	<p>8/6/2015</p>
<p>Tennessee - Department of Environment and Conservation</p>	<p>The Tennessee Department of Environment and Conservation proposes to utilize one or more components of shared Cross-Media Electronic Reporting Regulation (CROMERR) Services and develop CROMERR compliant electronic reporting system.</p>	<p><i>Not Available</i></p>	<p>\$241,931</p>	<p>7/23/2015</p>
<p>Utah - Automated Geographic Reference Center (AGRC)</p>	<p>The Utah Automated Geographic Reference Center proposes to develop data entry and management tools for the underground injection control (UIC) Geodatabase.</p>	<p><i>Not Available</i></p>	<p>\$102,605</p>	<p>7/27/2015</p>
<p>Utah - Department of Environmental Quality</p>	<p>The Utah Department of Environmental Quality (DEQ) proposes to map Safe Drinking Water Information System (SDWIS) Auxiliary Reports Application/ Construction Assistance, Source Protection and Engineering Reviews (SARA/CASPER) 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 (ESS) or equivalent) to Prime; map DEQs Interactive Map to Prime; and develop capability to provide a Geographic Information System (GIS) based Emergency Response Tool.</p>	<p><i>Not Available</i></p>	<p>\$300,000</p>	<p>6/9/2015</p>

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<p align="center">Utah - Department of Environmental Quality</p>	<p>The Utah Department of Environmental Quality proposes to develop a general platform architecture for tablet-based field collection of environmental data.</p>	<p align="center"><u>13619</u></p>	<p align="center">\$110,581</p>	<p align="center">7/27/2015</p>
<p align="center">Vermont - Department of Environmental Conservation</p>	<p>The Vermont Department of Environmental Conservation (DEC) proposes to establish vendor agreement; complete project and Waste Management and Prevention Division (WMPD) requirements; implement warehouse and publish regulated WMPD Facility Information; gather requirements for 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 (ICIS-Air) data exchange; develop web services; and participate in the Facility Registry System/Facility Identification (FRS/FacID) data exchange.</p>	<p align="center"><u>14073</u></p>	<p align="center">\$290,000</p>	<p align="center">5/22/2015</p>
<p align="center">Washington - Department of Recreation and Conservation Office</p>	<p>The Washington Recreation and Conservation Office and Governor's Salmon Recovery Office proposes to organize project governance; identify roles and responsibilities; design data flow for the Adult Salmon Migrant Data Exchange; build new Exchange Network (EN) flow for Adult Salmon Migrant Data Exchange; build a web service to view adult salmon migrant data and analyze adjacent spatial information; deploy Adult Salmon Migrant Data Exchange; and train and mentor people using the exchange.</p>	<p align="center"><u>14220</u></p>	<p align="center">\$498,007</p>	<p align="center">7/27/2015</p>

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<p>West Virginia - WV University Research Corporation</p>	<p>The West Virginia University proposes to obtain and organize a detailed set of digital (vector Geographic Information System (GIS) and aerial photography) data in support of identification of streams modified or destroyed by surface mining; create and publish (via Representational State Transfer (REST) webmap 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 (NHD) dataset of West Virginia to more accurately reflect post-mining surface water conditions.</p>	<p align="center">13777</p>	<p align="center">\$300,000</p>	<p align="center">1/14/2016</p>
<p>Wisconsin - Department of Natural Resources</p>	<p>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 (NHD) in cooperation with EPA through analytical Geographic Information System (GIS) methods, data transmittal, and online applications.</p>	<p align="center"><i>Not Available</i></p>	<p align="center">\$300,000</p>	<p align="center">7/29/2015</p>

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TRIBES				
Tribe, Region 6 - Kaw Nation	The Kaw Nation proposes to upgrade existing Kaw Nation Air Quality System (AQS) database and develop web applications; upgrade existing Kaw Nation Air Emission database; upgrade existing Kaw Nation Solid Waste database; and upgrade existing Kaw Nation Water Quality Exchange (WQX) database and develop web applications for managing physical, chemical, biological, and habitat data.	14117	\$217,417	5/27/2015

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Tribe, Region 6 - Otoe-Missouria Tribe of Indians	The Otoe-Missouria Tribe of Indians, Environmental Department proposes to solicit and introduce additional organizations to the 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 (RESTful) web services; enhance Ambient Water Quality Monitoring System (AWQMS) Geographic Information System (GIS) capabilities and implement web services based on open geospatial standards; consume Water Quality Exchange (WQX) Extensible Markup Language (XML) files in AWQMS; provide COAT members better support for groundwater and drinking water data; share open dumps data via the Exchange Network (EN); consume Water Quality Portal or other Environmental Protection Agency (EPA) web services and integrate into AWQMS data analysis tools.	<i>Not Available</i>	\$500,000	7/23/2015
Tribe, Region 9 - Redwood Valley Little River Band of Pomo Indians	The Redwood Valley Little River Band of Pomo Indians Environmental Protection Department proposes to exchange Water Quality data: foster multimedia and geographic information to address environmental, natural resources, and human issues: submit data via virtual node services to the CDX: and maintain fiscal management.	<i>Not Available</i>	\$235,840	7/29/2015
Tribe, Region 10 - Seldovia Village Tribe	The Seldovia Village Tribe (SVT) proposes to implement project initiation; develop and publish AQS data; and conduct outreach and collaboration.	<i>Not Available</i>	\$285,350	7/27/2015

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TERRITORIES				
Commonwealth of Northern Mariana Island - 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.	<i>Not Available</i>	\$141,600	5/12/2015