

FY 2007 EXCHANGE NETWORK GRANT PROGRAM AWARDS
Office of Environmental Information
U.S. Environmental Protection Agency
October 3, 2007

FY 2007 EXCHANGE NETWORK GRANT PROGRAM - TOTALS		
Type of Recipient	Total Number of Awards	Total Amount of Awards
Tribes	16	\$3,011,421
States	40	\$10,396,776
Territories	1	\$299,958
All Recipients	57	\$13,708,155

FY 2007 Exchange Network Grant Program-Recipients

Recipient Name	Project Description	Award Amount
Alabama	Alabama's Department of Environmental Management will leverage hardware and software infrastructure funded by the FY2003, FY2005 and FY2006 Exchange Network grants by: implementing a secure, internet and XML-based electronic permitting application for the Construction Stormwater NPDES permitting program; integrating the electronic permitting application with Alabama's NPDES Management System (NMS/E2), the Department-wide database that manages all NPDES data; and creating a flow of NPDES permit, limits, inspection and compliance data in XML format from NMS/E2 over Alabama's node to EPA's PCS-ICIS system through the EPA Exchange Network.	\$242,360
California	The California Department of Toxic Substance Control will develop the capability to exchange data through the Exchange Network and facilitate the implementation of specific data flows to support the United States Environmental Protection Agency's (U.S. EPA) development of the Integrated Compliance Information System National Pollutant Discharge Elimination System (ICIS-NPDES).	\$200,000
California	The California State Water Resources Control Board will implement data integration infrastructure among collaborative groups in Northern, Central and Southern California that furthers the exchange of comparable, high quality water quality, hydrodynamic and other data types necessary to complete the Clean Water Act (CWA) Section 303(d), 305(b) and TMDL reporting/regulatory processes. This includes regulatory water quality data collected by NPDES permitted facilities and NPDES stormwater agencies. These data will be integrated, standardized and made accessible to the EPA's, National Assessment and TMDL Tracking System (NATTS) Exchange network, STORET and developing National Data Warehouse and will be used to help with the State's effort to manage and regulate its water resources. Two eligible State Agencies will work together on the Project, the State Water Resources Control Board (fund recipient) and the Department of Water Resources along with university and non-governmental organizations.	\$150,000
Delaware	Delaware Department of Natural Resources and Environmental Control proposes to develop 4 flows - Beach Monitoring data, eDMR, RCRAInfo Permitting data and PCS ICIS (converted from PCS IDEF).	\$260,000
Delaware	Delaware Department of Natural Resources and Environmental Control proposes to develop four new Exchange Network flows including ICIS-NPDES, SWP, NHD, and Water Quality Standards.	\$320,000

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Florida	The Florida Department of Environmental Protection (DEP) proposes the implementation of additional data flows on an existing Exchange Network Node at the Florida DEP, ongoing support of that Node, and efforts to expand the use of the Node throughout the DEP Enterprise. The project will address three activity groups: A) Infrastructure - the addition of the Node administration page, creation of user manuals for the Node administration page, node maintenance and security enhancements; B) Data Exchange, Analysis and Integration - implementation of three production data flows within the DEP Divisions of Water Resources Management, Air Resources Management, and Waste Management to include: (1. NEI - data flow for National Exchange Inventory 2. eDMR- data flow for the Discharge Monitoring Reports, and 3. RCRAInfo - data flow for Handler and Compliance Monitoring and Enforcement (CME) modules of the Resource Conservation and Recovery Act (RCRA) database); and C) Mentoring, Planning and Training - training materials, briefings and consultations designed to encourage and enable other programs within DEP to participate in the development and implementation	\$262,294
Georgia	The Georgia Environmental Protection Division (EPD) proposes to (a) develop an implementation plan for and initiate the development of EPD's new enterprise data system and (b) share National Emission Inventory (NEI) data through their established network node.	\$292,000
Hawaii	The Hawaii Department of Health will expand its technical initiatives by aligning itself better with national EPA technologies including: 1. Integration of State Lab Systems 2. Implementation of additional CDX Data Flows 3. Provide training to internal staff	\$225,000
Idaho	The Idaho Department of Water Resources will upgrade an existing Information Exchange Network Node and develop the capability to exchange a critical geospatial dataset, the National Hydrographic Dataset (NHD) by developing web-based editing tools, and by establishing a data flow for NHD from local entities to the Idaho Department of Water Resources, to EPA, and to USGS.	\$198,392
Illinois	The Illinois Environmental Protection Agency (Illinois EPA) will establish a new data flow of SDWIS data to the United States Environmental Protection Agency's (U.S. EPA's) Central Data Exchange (CDX). Additionally, in an effort to provide for a more integrated approach to information technology and to facilitate more efficient information flows, Illinois EPA plans to integrate several ad-hoc applications currently used in supporting the provisions of the Safe Drinking Water Act. The new SDWIS/STATE Web Release 1 (SSWr1) provides the n-tier infrastructure needed to facilitate Illinois EPA transitioning from stand-alone legacy applications to a more robust integrated platform. Through this integrated approach, information is more readily available to meet reporting requirements and take advantage of U.S. EPA's CDX. Furthermore, SSWr1 offers enhancements to its data model and allows for greater flexibility in meeting programmatic needs.	\$300,000

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Indiana	The Indiana Department of Environmental Management (IDEM) will undertake the development of NEI and NATTS XML data flows and bring the current FRS data flow into compliance with the revised 2007 schema. Current and proposed Exchange Network web services will be incorporated into newly available State web-service vehicles to make targeted data available to wider audiences. Additionally, IDEM will enter into collaborative relationships with USEPA and State partners to facilitate geo-spatial meta-data discovery and develop web service oriented architectures to deliver/update critical data sets.	\$241,500
Iowa	Iowa Department of Natural Resources (DNR) will develop a five-year plan to provide easy access to current Iowa environmental data through a web service for health planners, including the following formal project partners: Iowa Department of Public Health (IDPH) and the Center for Health Effects of Environmental Contamination (CHEEC). Iowa DNR will also develop and implement two Exchange Network data flows, including obtaining associated geospatial data, for the Toxic Release Inventory (TRI) and Facility Registry System (FRS) outbound data flow.	\$300,000
Kansas	Kansas Department of Health and Environment (KDHE), Division of Environment (DoE), proposes to add four network flows (WQX, eDMR, UIC, and RCRA upgrade) to their current series of network flows. KDHE will also perform maintenance on their Facility Profiler database and maintenance upgrades on their seven (7) network flows.	\$245,160
Maine	Maine Department of Health and Human Services (DHHS) will conduct an assessment of Maine's current method for exchanging laboratory data to the Department of Health's Central Data Repository, with a particular focus on their EPA-based Exchange Network and CDC-based PHIN implementations. Maine DHHS will also implement a pilot process to utilize Maine's Exchange Network Node to transfer data from HETL to the Department of Health's Central Data Repository (CDR). It will then conduct a Security Penetration Test of this pilot implementation to assess it against Exchange Network and PHIN security standards. Expand on the work from the FY2004 Homeland Security Challenge Grant (i.e. Homeland Security Data Discovery Toolkit) to publish lab QA/QC data on the Node using the e-DWR XML format.	\$271,177

Massachusetts	Massachusetts Department of Environmental Protection (MassDEP) proposes to complete the development of a mobile multimedia inspection system built on portable computing equipment to mobilize MassDEP inspectors. The system, called mDEP, will help inspectors to work more accurately by providing checklist and historical data on the site being inspected, and to increase the timeliness of inspection reports by capturing data in the field. MassDEP will also flow existing Underground Injection Control (UIC) data to the EPA. The first flow will contain data gathered manually in the past, but in the future data gathered via the mobile inspection system will flow to EPA. This project will leverage past investments made by MassDEP and EPA, and will pave the way for future regulatory flows.	\$300,000
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Michigan	Michigan Department of Environmental Quality (MDEQ) will implement a comprehensive bi-directional exchange of RCRAInfo data between DEQ and EPA. This exchange will: 1. improve data quality and accessibility in areas that have previously hampered the State's ability to enforce the RCRA Subtitle C regulations; 2. enhance the level of coordination for the joint EPA and State co-implementation of these regulations; 3. reduce the dangerous and illegal generation, management and disposal of hazardous waste; and 4. eliminate the highly burdensome dual data entry effort required to reconcile the state and federal databases.	\$380,890
Michigan	Michigan Department of Environmental Quality (MDEQ) will create a data flow from the MDEQ Pollution Prevention Information and Grant Management (P2IGM) Reporting System to the National Pollution Prevention Result System. This is a continuation of work currently being implemented by the Colorado Department of Public Health and Environment.	\$300,000
Mississippi	Mississippi Department of Natural Resources proposes to develop the State/EPA ICIS-NPDES Data Exchange and to develop and implement the State/EPA Outbound TRI Data Exchange.	\$300,000
Missouri	Missouri Department of Natural Resources proposes the modernization of Missouri's legacy data system for NPDES data. A modernized system is necessary for Missouri's capability to provide batch NPDES data via the Exchange Network to ICIS-NPDES. The modernized system will include RIDE requirements and will conform to data standards. This project will facilitate cost reductions and increased efficiency within the Missouri Department of Natural Resources. Collection, maintenance, and reporting of expanded, standardized data will improve decision-making at the state and federal levels, allowing EPA and the state to focus resources where they are needed, thereby increasing environmental compliance.	\$300,000

<p>Montana</p>	<p>Montana Department of Environmental Quality proposes to: 1. implement a STORET data flow exchange between the EPA and the MTDEQ; 2. implement a STORET data flow exchange between the MTDEQ and the MSL/NRIS to enhance public data access; 3. implement an ICIS-NPDES data flow exchange from the EPA to the MTDEQ and populate the MTDEQ's CEDARS database; 4. reduce the number of data entry errors by using the Node infrastructure to eliminate duplicate data entry; 5. provide the exchange infrastructure necessary for the implementation of the CROMERR; 6. provide expertise and advice to three (3) other jurisdictions on the implementation of Node technology supporting their environmental Meth clean-up and reporting programs; and 7. continue implementation of EDSC-approved data quality standards across the enterprise.</p>	<p>\$100,000</p>
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Nebraska	Nebraska Department of Environmental Quality (DEQ) will develop and implement three exchanges between Nebraska's Node and EPA's Central Data Exchange (CDX). One will be for ICIS-NPDES, which will include some new development and modifications to the state database (Integrated Information System (IIS)). The second will be for AFS, which will include modifications to the existing IIS application to implement new minimum data requirements to be consistent with AFS and the Universal Interface reporting process. The third will be to implement the outbound exchange of TRI data, which will require building the appropriate storage process for the information within the IIS application.	\$300,000
Nevada	Nevada Department of Conservation and Natural Resources will use the State's node on the Exchange Network to: 1) flow DMR data from the State to EPA's ICIS-NPDES database; and 2) flow of water quality data from the State to EPA's WQX database system.	\$300,000
New Hampshire	New Hampshire Department of Environmental Services (NHDES) will maintain and enhance the 1:24,000-scale National Hydrography Dataset for New Hampshire (NHHD) and build capacity that is critical to integration of data into daily work flows within the NHDES.	\$465,097
New Hampshire	New Hampshire Department of Environmental Services (NHDES) will develop a host node at the Gulf of Maine Ocean Observing System (GoMOOS - the host for the GoMOD) according to exchange network protocols while node clients will be installed at participating partners (except NHDES which already has a node). An XML schema will be developed based on Environmental Data Standards Council (EDSC) and Environmental Sampling Analysis and Results (ESAR) standards and the Water Quality Exchange (WQX) schema. Data will be available to the partners through a spatially referenced web application.	\$295,394
New Mexico	The New Mexico Environment Department (NMED) proposes to enhance its ambient water quality database and implement a Water Quality Exchange (WQX) data flow with EPA. NMED will extend its web-enabled electronic reporting tool to enable analytical labs to electronically validate and report ambient water data to the Agency using the WQX XML schema. The Agency will develop extensions to its existing Exchange Network node architecture to administer the WQX data flow and to improve data quality and reporting capabilities. This project will enable the Agency to improve environmental stewardship and decision making by facilitating the collection, sharing, analysis, and integration of high-quality ambient water data. The NMED will also be able to publish its ambient water quality data to Exchange Network partners resulting in improved access to data necessary to improve regional water quality.	\$260,000

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New York	New York State Department of Environmental Conservation proposes to reduce the amount of time required to transfer emissions inventory and compliance report data from Title V facilities to the New York State Department of Environmental Conservation (DEC), and from DEC to EPA. This will be accomplished by allowing facility owners to submit their emissions inventory data in an electronic format through a web-based application, thereby reducing the administrative burden of DEC staff. As part of this project, the DEC's electronic compliance certification system will be expanded to include semi-annual compliance reports and annual capping certifications from facilities opting out of Title V permitting requirements. This enhancement will allow facility owners to make one submittal that is accessible to all recipients, and will speed evaluation of the reports, leading to faster compliance enforcement.	\$300,000
North Carolina	North Carolina Department of Environment and Natural Resources and the Wetlands Affiliated Network Data (WAND) Exchange will develop a content requirements profile based on Wetlands Network Markup Language (WNML), a set of transformation tools to convert legacy data to WNML, and exchange node publishing interfaces for WAND/WNML.	\$150,000
North Carolina	North Carolina Department of Environment and Natural Resources will define a spatially enabled Tier II Hazardous Chemical schema and build an associated statewide Tier II reporting database and repository at NC Emergency Management (NCEM) for facility owners and local governments. The NCEM repository will be linked via web services to the NC Exchange Node, and DENR will integrate information from its existing Facility Registry System (FRS) and its planned Toxic Release Inventory (TRI) exchange with the Tier II Hazardous Chemical inventory from NCEM. DENR will create a publishing application to allow Node users to access this integrated data via Open GIS Web Services. The publishing client will have a graphical user interface that allows queries by facility name or address, chemical type and quantity, county, zip code, spatial proximity or by FRS, TRI or Tier II IDs. DENR and NCEM will conduct training workshops for state and local first responders, emergency managers, and environmental protection officials in the use of the Node publishing client.	\$399,654
Ohio	The Ohio Environmental Protection Agency (EPA) proposes to make the necessary conversions in their system in order to implement the NEI XML schema. The agency also proposes to provide geospatial information both to node partners and through a public access server to aid not only in sharing environmental information with the public and node partners, but also providing this geospatial information to enhance environmental decision-making.	\$297,300

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Oklahoma	The Oklahoma Department of Environmental Quality (ODEQ) proposes to augment their existing systems, and further develop tools that provide the regulated community with more robust and varied options for the timely reporting of required environmental data. Such data will be extracted from various eForms; with hard-copy data scanned into an 'Electronic Document Repository', and included in an overall hierarchy for information, providing an 'E-Flow' to the EPA and public. This proposal will specifically allow ODEQ to expand the use and functionality of their web portal.	\$226,000
Oregon	Oregon Department of Environmental Quality (ODEQ) proposes to build on the project currently underway in Texas for electronic receipt of NPDES Discharge Monitoring Reports (e-DMR) to create a version of the project that operates on the .net environment that is common to many states. In addition, the project will implement the biodiversity data flow designed by NatureServe using a new node operated by the Oregon Natural Resources Institute and create extensions to the Network Browser to provide a convenient user interface for Water Quality staff at ODEQ and EPA. ODEQ will provide mentoring to the Institute in implementing the node, and continue to support other state partners from a position of leadership in Exchange Network innovation.	\$299,171
South Carolina	South Carolina Department of Health and Environmental Control will continue to focus on the electronic submittal of environmental data and permit application information by the regulated community including the collection of environmental data and performance of inspections with hand-held devices, with subsequent direct entry of data into the Environmental Facility Information System. The major focus will be on the development of capabilities to collect accurate information electronically, to analyze its accuracy, to develop and implement additional desired Node flows, and to exchange data with EPA and other partners through the Network Node, where applicable.	\$300,000
Tennessee	Tennessee Department of Environment and Conservation (TDEC) will implement the following measures to facilitate PCS/ICIS transition to transmit quality data and focus on: 1. integration of all WPC permitting and fee collection; 2. development of Compliance tracking functionality for the NPDES program; 3. development of enforcement tracking functionality for TDEC to cover multiple program areas; and 4. provide the public the ability to submit electronic notice of intent with CROMERR compliance. Achieving this project's objectives will expedite PCS-ICIS transition and further TDEC's goal of better protecting the environment through improved water quality and improving reports to the public while reducing the burden to TDEC.	\$185,000

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Texas	The Texas Commission on Environmental Quality proposes to flow all water quality monitoring data to the EPA's STORAGE and RETrieval (STORET) database. The agency will also be able to eliminate the current duplicative reporting of TRI data by allowing the regulated community to submit to both the TCEQ and EPA via Central Data Exchange (CDX).	\$95,000
Utah	The Utah Department of Health is completing the implementation of a Laboratory Information Management System (LIMS). A purpose of LIMS is to retain and distribute test result information. The Bureau of Chemical and Environmental Services (BCES) of UPHL is responsible for testing all environmental samples as needed by the Utah Department of Environmental Quality (UDEQ). UDEQ is EPA's designated primacy state agency for all drinking water regulations. UPHL's BCES bureau tests samples to comply with the USEPA's Safe Drinking Water (SDWA), Clean Water Act (CWA), and Resources Conservation and Recovery Act (RCRA) and is certified by EPA's Region 8.	\$190,600
Utah	The Utah Division of Wildlife Resources (UDWR) is the state's primary agency for collecting, maintaining, and evaluating sensitive species occurrences, regulatory compliance, and natural resources information. UDWR proposes to utilize the existing node infrastructure at the Utah Department of Environmental Quality (completed under a previous Exchange Network Grant) to implement a data flow for biodiversity data maintained by the Utah Natural Heritage Program within UDWR. The proposed project will integrate geospatial data with sensitive species and habitat information into a geospatial database to be shared through the EPA Exchange network. The second phase of the project will design and implement the database into a GIS-based web service for requests concerning the location of animal and plant species for making environmental regulatory decisions.	\$100,000
Utah	Utah Department of Environmental Quality will participate in the AQS exchange and develop a generic node interface which allows collaborating entities to use the UDEQ node to participate in the National Environmental Information Exchange Network.	\$300,000
Wisconsin	Wisconsin Department of Natural Resources proposes to reengineer their legacy systems to share common facility identification information. This will result in a facility information infrastructure that will present high quality information to the Network. The second is to increase the WQX of water-related data by capacity building on the Surface Water Integrated Monitoring System (SWIMS). Wisc. DNR proposes to enhance and integrate: biological and habitat data, high resolution geo-located data regulated to hydrologic unit code (HUC) extents, and attributes for the National Hydrography Dataset (NHD). These new data will be available through the Water Quality Exchange. Work on certain areas of the SWIMS was funded under the FY'05 implementation grant.	\$272,187

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Wyoming	Wyoming Department of Environmental Quality will increase the rate of data input into the preexisting database and to transition to the Water Quality Exchange (WQX).	\$298,000
Wyoming	Wyoming Department of Environmental Quality will enable stakeholders to share data and information via the internet and intranet to improve decision making, data analysis, risk assessments, remediation and environmental monitoring for Underground Injection Control Wells (Class I, III, V), septic systems, concentrated animal feeding operations (CAFO), coalbed methane (CBM) infiltration pits, ambient groundwater monitoring, and groundwater pollution control (GPC) sites in the State of Wyoming that are in various stages of evaluation and cleanup.	\$174,600
Tribes		
Big Valley Band of Pomo Indians (California)	Big Valley Band of Pomo Indians (California) proposes to deploy regulatory data exchanges and to mentor local Tribes, helping them to submit data to the Regional Node through node clients.	\$143,018
Bishop Indian Tribal Council (California)	The Bishop Paiute Tribe's Environmental Management Office (BPEMO) will expand and enhance existing information technology infrastructure to include obtaining an additional server for the Tribe's water quality control and GIS program and purchasing additional computer hardware and software. The Tribe currently submits air quality data to AQS, but would like to expand its infrastructure and develop a WQX data exchange and integrate its geospatial data. The Tribe would also explore exchanging drinking water data through SDWIS. The BPEMO will pursue network computing and data management training for staff and educate other Tribes and tribal organizations of the Owens Valley. The BPEMO will also develop and implement an EN Node, exchange WQX and include GIS capabilities for analysis and planning. Tasks would include reviewing demonstrated node configurations, developing the Node, testing the Node to verify compliance with EN Node functional specifications and address any shortcomings, and implementing an operational Node.	\$241,150
Cherokee Nation (Oklahoma)	Cherokee Nation will flow water quality monitoring data using the Cherokee Nation Network Node. This data exchange/integration project will flow Cherokee Nation water quality monitoring data through the existing Cherokee Nation Node using the Water Quality Exchange (WQX) data standards, node services and XML schema. The Cherokee Nation WQX flow will replace the submittal of Cherokee Nation water quality monitoring data through EPA STORET.	\$150,000
Coeur d'Alene Tribe (Idaho)	The Coeur d'Alene Tribe (Idaho) will provide the EPA Environmental Information Exchange Network with (XY) location data for EPA Regulated facilities and facilities of interest that are present in the EPA's (FRS): Facility Registration System.	\$73,485

Confederated Salish and Kootenai Tribes (Montana)	The Confederated Salish & Kootenai Tribes (CSKT) plan to enhance the capabilities of the CSKT Environmental and GIS Programs, to provide more efficient environmental data exchanges within Tribal departments and with the Environmental Protection Agency (EPA).	\$100,511
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Navajo Nation (Arizona)	Navajo Nation (Arizona) plans to develop and implement node-to-node data exchanges for Safe Drinking Water Information Service (SDWIS), Electronic Discharge Monitoring Reports (e-DMR), Integrated Compliance Information System - National Pollutant Discharge Elimination System (ICIS-NPDES) and Underground Injection Control (UIC) Information system. Navajo Nation will also do the preliminary data preparation plan for Air Quality System (AQS), Source Water Protection (SWP) and Water Quality Exchange (WQX). Navajo Nation will upgrade the network security infrastructure in order to accept and send network exchanges through the NNEPA node through procurement of GIS software to integrate the geospatial data with discharge monitoring, water quality standards and various NPDES data. Navajo Nation will develop a web-based training module to train the NNEPA and Navajo nation Information Technology (IT) Department personnel on the Exchange Network, data collection methodology for the data flows mentioned above, and periodic submission of the data flows through the NNEPA node.	\$200,000
Northwest Indian Fisheries Commission (Washington)	The Northwest Indian Fisheries Commission (NWIFC), a consortium of 20-member tribes in western Washington State proposes to implement an operational data node on the National Environmental Information Exchange Network (NEIN) and to implement data flows from those of its member tribes that choose to participate on the NEIN. The NWIFC proposes to implement the initial data flow of tribal water quality data to the U.S. EPA Office of Water, Water Quality Exchange (WQX), the next evolution for EPA's STORET model for sharing water quality data. NWIFC member tribes receive grants from EPA to partially support their water quality monitoring programs, and thus are required to routinely report water quality monitoring information to the EPA STORET database, which is why the WQX data flow is being proposed as an initial objective. In addition, the NWIFC will provide planning, training and mentoring support both to the member tribes establishing their own Exchange Network nodes as well as to the tribes that will be accessing the Exchange Network through the NWIFC node.	\$262,409
Penobscot Indian Nation (Maine)	Penobscot Indian Nation (Maine) will ensure the water quality standards are being met and that licensed discharges are in compliance with permit conditions including gathering data needed for tribe's role in hydroelectric re-licensing and identifying sources of non-point sources pollution and upgrading river/tributaries classifications.	\$293,247

Seldovia Village Tribe (Alaska)	Seldovia Village Tribe (Alaska) will further develop, enhance, and implement their network Node capabilities. Seldovia Village Tribe will implement data exchanges through their network Node and begin formatting and verifying data sets in preparation for data flows to EPA. Seldovia Village Tribe will also establish data standards and set up the Node for expected data exchanges, data flows and web based information sharing with both formal project partners and other Tribes and organizations.	\$120,000
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Shoalwater Bay Indian Tribe (Washington)	Shoalwater Bay Indian Tribe (Washington) will continue data collection infrastructure improvements that will increase the accessibility of data on Willapa Bay for decision-makers within the watershed.	\$150,000
Shoshone & Northern Arapaho Tribe (Wyoming)	Shoshone & Northern Arapaho Tribe (Wyoming) will upgrade infrastructure to include a LAN server and VoIP. Shoshone & Northern Arapaho Tribe will upload water quality data to the WQX and prepare our biological data for future submissions. Shoshone & Northern Arapaho Tribe will develop a physical and digital photographic specimen reference library to the species level and write an SQL program that will match identifications and taxonomic levels to the ITIS reference standards. The tribe will classify its sites in its SQL Postgres database to include an ecological classification and the kinds and degrees of impairment. As a result, a simple query will help environmental decision making by generating reference sites, 305b reports and 303d lists. Shoshone & Northern Arapaho Tribe will help develop geospatial/remote sensing program (ERDAS) data standards. Shoshone & Northern Arapaho Tribe will mentor three Region 8 tribes to develop a freeware based Node that specifically aids small organizations, to organize their future water quality data for WQX submissions, and to create an electronic library.	\$120,000
Snoqualmie Tribe (Washington)	Snoqualmie Tribe (Washington) proposes: 1. to enhance data sharing and exchange of water quality information through infrastructure and data exchange integration for WQX. Snoqualmie Tribe intends to enter a data sharing agreement with Washington Trout, and will be lead on this project for Snoqualmie Watershed data exchange; and 2. take a lead role in mentoring Tribes in Region 10 that wish to have training on submitting water quality data through an Exchange Network node into WQX. This mentoring is intended to extend the abilities of Tribes to transition from local STORET to WQX, thereby facilitating coordination for environmental protection within applicable watersheds through water quality data exchange.	\$151,896
Southern Ute Tribe (Colorado)	Southern Ute Tribe (Colorado) proposes to make the transition from STORET to WQX with as minimal impact on the Tribal programs as possible.	\$324,000

St. Croix Tribal Council (Wisconsin)	St. Croix Tribal Council (Wisconsin) proposes to develop a node and begin data exchanges. The St. Croix Tribe will share water quality data and Brownfields inventory data internally between its departments in a more timely fashion by linking the datasets in an accessible location. The St. Croix Tribe will also conduct some orientation training with the groups that would benefit from utilizing the system and determine what types of data exchanges should be added as a next step to improve the over all efficiency of Tribal operations.	\$82,705
Walker River Paiute Tribe (Nevada)	Walker River Paiute Tribe (Nevada) will provide continued establishment and growth of the "Tribal Environmental Exchange (TRES) Network for Tribes" project.	\$449,000

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Yurok Tribe (California)	The Yurok Tribe (California) will continue to develop their internal data management system designed to communicate with existing EPA data warehouses. Anticipated data exchange activities include expanding the development of water quality data storage as the Water Quality Exchange capacity expands and developing the Underground Injection Control data. Continued uploading of air data is planned. The Yurok Tribe will also assist Tribes within the Klamath Basin and the Region in utilizing the developed database to manage their own internal data and transmit that data to EPA using the established and tested interfaces.	\$150,000
Territories		
Northern Mariana Island	The CNMI DEQ Network Database Project will focus its efforts to the establish, maintain, and report data in conformance with EPA standards and the propagation of data flows to the Environmental Information Exchange Network.	\$299,958