FY 2002 EXCHANGE NETWORK GRANT PROGRAM AWARDS
Office of Environmental Information
U.S. Environmental Protection Agency

FY 2002 EXCHANGE NETOWRK GRANT PROGRAM – TOTALS		
Type of Recipient	**Total Number of Awards**	**Total Amount of Awards**
Tribes	9 One Stop, 5 Readiness, 3 Challenge = 17	$2,241,388
States	9 One Stop, 36 Readiness, 20 Challenge = 65	$21,255,428
Territories	0 One Stop, 0 Readiness 0 Challenge = 0	$0
All Recipients	82 total	$23,496,816.00

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
EXCHANGE NETWORK ONE STOP TRIBAL AWARDS		
Big Valley Rancheria of Pomo Indians (CA) Tribal Council	Title: Environmental Information Exchange Network Grant Program - One Stop Big Valley Rancheria Electronic Environmental Data The Big Valley Rancheria of Pomo Indians plans to: 1) participate and coordinate in the reduction of the reporting burden on industry, States, and local governments, 2) foster multimedia and geographic approaches to problem solving required for the ecosystem restoration efforts of the Clear Lake watershed, and 3) develop a network and website to provide the public with meaningful, real-time access to environmental data of the Big Valley Rancheria. This will improve the Tribe's ability to effectively manage environmental information and conform to the reporting requirements of the Environmental Information Exchange Network Grant Program that are anticipated once the Tribe's water quality standards are implemented. The Tribe is currently submitting initial data describing source water for planned development of a public water supply system. Once this system is permitted under the Safe Drinking Water Act with EPA the Tribe will be required to produce water quality reports for public access.	$99,366

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
Bois Forte Band of Chippewa Indians (MN) Tribal Government	Title: Network One Stop Program Due to geographic isolation, the Bois Forte Band of Chippewa Indians Reservation's current broadband capabilities are extremely limited. The overall goal of this grant is to provide environmental awareness, data integration and to prepare for network node participation on the Environmental Information Exchange Network Grant Program through the creation of a wireless Wide Area Network. The Bois Forte will provide environmental and natural resource program information to the community and other various Tribal programs using wireless infrastructure. The Bois Forte will integrate, display and distribute government program activities and functions from various programs to the communities in which they represent. The wireless infrastructure will give the Bois Forte Reservation Tribal Council a permanent presence on the Internet, and will provide a foundation for information that will eventually allow them to grow, as a potential node participant on the Environmental Information Exchange Network Grant Program.	$100,000

	FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS	
Recipient Name	**Project Description and Location**	**Award Amount**
Cahto Tribe of Laytonville (CA) Environmental Department	Title: Network One Stop Grant Program, Cahto Tribe of Laytonville, CA The Cahto Tribe of Laytonville Rancheria is adjacent to the Laytonville county hazardous waste dump, which is believed to be discharging pollutants onto the Rancheria. The funds will be used to 1) establish a Tribal Environmental Technology Office, 2) tailor GIS/GPS data already obtained on the pollution to the Environmental Information Exchange Network Grant Program, 3) develop a three year Environmental Information Reporting and Management Plan, with a two-fold goal of both reducing report burdens and enhancing electronic reporting and/or access to database information, and, 4) develop CDX technology and appropriate Network templates.	$98,375

	FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS	
Recipient Name	**Project Description and Location**	**Award Amount**
Cherokee Nation (OK)Office of Environmental Services	Title: Cherokee Nation Environmental Information Exchange Network Grant Program Project The principal objective of the Cherokee Nation grant is to enhance the ability of Cherokee Nation Tribal members and other interested parties in accessing environmental data generated by Cherokee Nation environmental programs. The Cherokee Nation Office of Environmental Services has a strong commitment to improve public access to environmental information and to reduce the burden of reporting environmental data. They have successfully shown readiness to implement programs to accomplish those goals. The Cherokee Nation has taken advantage of many grant programs in the past to enable them to participate in reporting reforms.	$100,000

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
Mississippi Band of Choctaw Indians (MS) Environmental Program Office	Title: Network One Stop The Mississippi Band of Choctaw Indians (MBCI) plan to reduce reporting burdens, establish data integration techniques, and provide public access to environmental information, through the establishment of a computer- based geospatial system that will track growth, development, and environmental requirements of MBCI. There are five separate areas of Tribal lands consisting of a diverse range of land-cover and land-use practices. The diversity of the landscape creates numerous environmental and management challenges. MBCI plans to develop the separated communities. The grant will be used to maintain the accurate mapping, planning, design and engineering data for the community development sector and community plans. In addition, the geospatial system will create a vehicle for the exchange of data to those outside the Tribe such as EPA and State and local government agencies.	$100,000

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
St. Croix Chippewa Tribe (WI) Tribal Council	Title: One Stop Reporting The St. Croix Chippewa Tribe plans to accurately transfer data such as reporting requirements for the Clean Water Act, Safe Drinking Water Act, well abandonment, wellhead protection, surface water monitoring, solid waste issues concerning illegal dumping and site assessments/clean up, land management, phase I site assessments, Clean Air Act, natural resources, Tribal historic preservation, and planning and development. The following priorities will be supported 1) complete development of a GIS lab, 2) establish implementation of the International Organization Standard, 3) set goals and assess performance through accurate reporting, and 4) link all Tribal departments together to obtain real time accurate data for comparison and analysis.	$98,873

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
Shoshone and Northern Arapaho Tribes (WY) Wind River Environmental Quality Commission	Title: One Stop Project The Shoshone and Northern Arapaho Tribes need to have comprehensive environmental assessments done to document the various conditions on their reservations including all the facilities that are storing hazardous materials or other materials that could be harmful to the environment. They also need to generate maps of where these facilities are located and how they may impact the Indian communities. The WREQC will be breaking down the areas on the reservation by watershed. Data on all the facilities in the watersheds will be gathered using GPS and then GIS maps will be made of where these facilities are located. After this model is developed and proven this information will be shared with all the Indian Tribes as a means for them to inventory facilities on their reservations.	$99,969
Tulalip Tribe of Washington (WA) Government Affairs Division	Title: Network One Stop Grant The Tulalip Tribes are currently engaged in actively building an information infrastructure to address many of their internal needs to manage information flow. However, they are faced with a large number of issues in coordinating these internal efforts, and in harmonizing these with data exchange standards rapidly being developed at the regional, national and international levels. The Tulalip Tribes will use the grant to address three major needs in their current data infrastructure and networking initiatives: 1) fund activities within the Tribe to allow the many separate groups involved in building information infrastructure to adequately understand and address the complex standards proposed by regional, national, and international efforts, 2) establish a planning process to address how elements of the current Tulalip information infrastructure can be harmonized with elements of Environmental Information Exchange Network Grant Program, and 3) address additional data structure and information policy issues not addressed by standards developed for non-Tribal purposes.	$96,588

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
EXCHANGE NETWORK TRIBAL READINESS AWARDS		
Delaware Tribe of Indians (OK) Environmental Programs Department	Title: Communications Development Project The Delaware Tribe will develop an integrated multi-media data/information exchange network with other government agencies, Tribes and States. The objective is to develop capability in networking data and document sources to provide access and exchange of environmental information. Steps in the process will: 1) develop a communications network program, 2) identify equipment/hardware and software needs, 3) initiate a website construction infrastructure, 4) develop an environmental information system, 5) develop node operational infrastructure, and 6) develop information systems implementation for Network participation, including partnership agreements with Tribal/governmental agencies.	$99,969

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
Hualapai Tribe (AZ) Department of Natural Resources	Title: Network Readiness Grant Application The Hualapai Tribe will use the Readiness grant on a remote air and water quality monitoring project. Funding will be used for computer and data management training for technical staff and continuation of data sharing with EPA, the Desert Research Institute and the US Geological Survey. Over a three-year period, data collection and management will be integrated with the Tribe's existing GIS. Browser-style interfaces will be developed for viewing and managing data and for coordinating with data partners.	$100,000
Northern Cheyenne Tribe (MT) Environmental Protection Department	Title: Network Readiness Grant Proposal The Tribe will use the Readiness grant for environmental data integration and resource information exchange over a 3-year transition period. A network system is needed to enable Tribal members and non-members to access information held within various databases. During the first year, a high-speed Internet will be built and a node placed on the Network. Over the next two years, the Northern Cheyenne Tribe will establish an information source and steward, connect information resources to the node, and perform node and TPA management. In this manner, environmental information will be linked to EPA's CDX system, enabling broad Network participation	$96,515

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
Poarch Band of Creek Indians (AL) Environmental Department	Title: Network Readiness Project The Poarch Tribe proposes to use grant funding to develop the local infrastructure for environmental data exchange, eventually expanding to county, State, regional, and national partners. Community network capacity will first be established for exchange of environmental information to aid in identifying and remediating local problems and build the infrastructure for sharing data among the Tribe's Environmental Department, Environmental Safety Office/Indian Health Service, and Public Works Utilities Office. In year 3, the Tribe plans to expand the infrastructure to the adjoining community utility partner.	$54,630
St. Regis Mohawk Tribe (NY) Environmental Division	Title: Network Readiness Grant The Tribe will focus on systems infrastructure enhancement to facilitate better data quality and to allow participation on the Network. The primary goal is to re-engineer the data management system/process and the internal infrastructure to support node operations. Activities include establishing an official information source and data steward, improvements to the Internet connection, better trained staff, reduction of travel expenses, and creation and distribution of an air quality training video.	$100,000

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
EXCHANGE NETWORK TRIBAL CHALLENGE AWARDS		
Central Council of Tlingit & Haida Tribes of (AK) Native Lands and Resources	Title: Waste on the Web: An Information Exchange on Waste Management for Alaskan Tribes. The Council proposes to create a node and place it on the Network for use by member Tribes to communicate environmental data with EPA. An existing Web-based relational database and systematically organized information exchange platform will form the foundation of the website. The database includes solid, hazardous and human waste information, along with parameters necessary to describe resulting environmental and human health hazard problems among the Alaskan Tribes. Phase one will involve development of the node and linking it to other partner nodes. Phase 2 will expand use by Tribes as a portal for accessing, reporting, and mobilizing in XML data streams. In Phase 3, further development of the node as a partner in the Network will be implemented.	$299,941

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
Confederated Tribes of Warm Springs (OR) Department of Natural Resources Multi-Tribe Collaborative: Confederated Tribes of the Umatilla Yakima Nation Nez Perce Tribe	Title: Environmental Information Exchange Network Grant Program Challenge Grant Proposal A multi-Tribe collaborative air quality study is proposed to acquire, collate, and analyze/display air quality data for the Columbia River Gorge National Scenic Area. The data will be stored on a network appliance. Sources for the data include the U.S. Forest Service, the States of Oregon and Washington, as well as counties, municipalities and other agencies that have long been collecting such information. In Phase 1, the data will be acquired and stored. During Phase 2, the data will be cataloged and relational cross-referencing will begin. Phase 3 will concentrate on analysis and completion of final deliverables. Five network-attached storage devices will be uploaded with the pertinent data.	$300,000
Tanana Chiefs Conference, Inc. (AK) Community and Natural Resources Department	Title: Proposal to Environmental Protection Agency The Tanana Chief's Conference will use Readiness funds to build a web server which will expand databases within many departments, allow collection and storage of data not being gathered by other agencies, and sharing of this information with other Federal, state and Tribal units. Funds will be used to hire project workers and contractors. Supplies, travel, equipment and other costs are also included. The Conference views this project as laying a foundation to address a much greater environmental information management needs throughout Alaska.	$297,100

Recipient Name	Project Description and Location	Award Amount
ONE STOP STATE AWARDS		
Alaska Department of Environmental Conservation	Title: Proposal for Reducing Reporting Burdens and Making Information Accessible The Alaska Department of Environmental Conservation has implemented and planned many projects that reflect the goals of the One Stop program and demonstrate the department's commitment to the essential concepts of burden reduction and enhanced stakeholder access to information. Alaska plans a substantial investment to reduce reporting burden, integrate data across program and organizational lines, and improve public access to environmental data. Funding will be used to implement hardware and software, as well as personnel, to integrate departmental agencies and partnerships. Alaska has already committed internal agency resources to design and implement a sustainable information management infrastructure. They will use the grant funds to enhance or accelerate planned activities.	$500,000

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
Arkansas Department of Environmental Quality	Title: Funds will be applied toward information technology investments at the Arkansas Department of Environmental Quality (ADEQ) Arkansas plans to reduce reporting burdens, provide information to support community-based solutions to environmental problems and promote full public access to environmental information. The main goal of this grant is to secure additional funds to support ongoing work at ADEQ to: 1) reduce reporting burdens, 2) foster multimedia and geographic approaches to problem solving, and 3) provide the public with meaningful real-time access to environmental data. To meet these goals Arkansas will invest heavily in the implementation of an "Integrated Information System" and the funds from this grant will go towards continuing that effort by improving existing infrastructure and programs. They plan to improve the infrastructure which will enhance electronic reporting and work towards achieving universal access for the regulated community.	$500,000

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
Connecticut Department of Environmental Protection	Title: Environmental Data and Geographic Exchange Initiative (EDGE Initiative) Connecticut plans to develop and implement an integrated data management system where high quality, reliable and consistent enterprise data is captured and made easily accessible both internally and externally. The grant will provide both additional funding and critical State/Federal collaboration to assist in development efforts. Connecticut's goal is to implement an integrated facility information system that allows users to view not only a tabular set of core facility data, but also critical documents such as active permits and enforcement actions, and geographic data layers characterizing the ambient environmental conditions at the site.	$500,000
Idaho Department of Environmental Quality	Title: One Stop Grant Proposal Idaho has already designed, built and implemented a sustainable information management infrastructure. Idaho is committed to making real-time environmental data accessible to constituents and to participate with EPA and other States to make environmental reporting less burdensome and more efficient for the regulated industry. Idaho plans to link media systems to provide a facility centric enterprise environmental information system. Funds will be used for strategic planning, tactical plans, data modeling, coding, and data cleaning. Idaho has developed a variety of partnerships to leverage information resources and expertises - State agencies within and outside Idaho, Federal and local agencies, and private sector organizations.	$500,000

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
Iowa Department of Natural Resources	Title: Project Vital Link Iowa is committed to work towards full implementation of the Environmental Information Exchange Network Grant Program. They will develop a plan for implementation and develop an integrated environmental facilities database. Their mission is: working with Iowans to protect and enhance the State's natural environment. To accomplish this, Iowa is committed to reform environmental reporting and data management in Iowa, and to transition to the Network. By taking a systems approach and integrating data, Iowa will be able to detect trends, prevent pollution, manage environmental data more efficiently, and provide easier access to empower citizens for environmental results. The two main goals are 1) develop a five-year plan to reform environmental reporting and data management in Iowa, and 2) design and develop an environmental facilities database based on the FITS 2 model. Funds will be used for planning, linking databases, hardware and software, training and meetings, transferring priority historical information, and improving/obtaining facility location.	$500,000

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
Kansas Department of Health and Environment	Title: Network One Stop Kansas plans to use information technology to improve both their internal data management and their communication with the public. They will develop and implement an integrated data management system with a commitment to capturing high quality, reliable, and consistent environmental data and making the data accessible both internally and externally. They proposes to accomplish this goal through creation of an integrated database containing facility information, including a universal facility identifier, that applies division wide and is linked to present and future program databases. Kansas will use funds to improve data sharing capabilities. They plan to provide interactive e-government web services. This will allow data sharing with local, State, and Federal agencies and use existing advisory committees to involve the public and the regulated community.	$500,000

	FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS	
Recipient Name	**Project Description and Location**	**Award Amount**
Kentucky Natural Resources and Environmental Protection Cabinet	Title: National Environmental Information Exchange Network Grant Program - One Stop Grant The Kentucky Natural Resources and Environmental Protection Cabinet has made significant investments in many of the goals of the One Stop program. They have implemented a FITS2-compliance information system uniquely identifying each regulated entity, and have integrated this information with multi-media ambient monitoring, permitting, compliance, and enforcement databases to allow meaningful real-time access to complete and accurate environmental information. Moreover, web-based GIS tools are available to all staff allowing for spatial reporting and analysis of the regulatory and ambient data. The purpose of this grant is to fund a project to plan, design, and implement a public access node to providing online permitting and reporting capabilities to the regulated community. Additionally, allowing Internet-based access to the integrated environmental information stored in the IEMS. This ePortal will be the cornerstone of efforts to provide the public with meaningful real-time information on the environment in the Kentucky. The funds will be used to establish technical infrastructure, improve data flows, establish policies and procedures, and begin work for connectivity to the Environmental Information Exchange Network Grant Program.	$500,000

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
Nevada Division of Environmental Protection	Title: One Stop Grant The Nevada Department of Environmental Protection plans to reduce reporting burden, integrate data across program and organizational lines, and improve public access to environmental data. Nevada will use technology to add coherence and unity to compartmentalized regulatory programs. Information technology will be used to bridge organizational lines, strengthen problem-solving capabilities and communicate key information both internally and externally. They will use information technology to provide integrated access to regulated facility databases, analyze environmental data, facilitate communication, report on environmental trends, and provide the public with access to important environmental information.	$500,000
Tennessee Department of Conservation and Natural Resources	Title: One Stop Grant Proposal for EPA Exchange Network 2002 Grant Program The Tennessee Department of Conservation and Natural Resources (TDEC) has invested many years in working toward the goals of burden reduction, data integration and public access. These successes have laid the groundwork for and highlighted the need to reform data management. Tennessee is committed to building on these successes and implementing an integrated data management system. The funds will be used expedite Tennessee's $14.5 million implementation of an integrated, geo-spatially based data management system structured around a single, core facility/site database containing all of TDEC's facility identification information. Tennessee's name for this project is the Integrated Resource Information System (IRIS). One Stop EPA support will allow a structured method for EPA involvement the IRIS project, demonstrate EPA support of reform efforts to the Tennessee State legislature, and significantly accelerate Tennessee's readiness for participation in the Network.	$500,000

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
EXCHANGE NETWORK STATE READINESS AWARDS		
Arizona Department of Environmental Quality	Title: Network Readiness Grant Proposal Arizona proposes development of a Network node and placement of already existing core facility information on the node. The agency plans to eventually place all compliance and enforcement data, wastewater permit compliance data, and hazardous waste information on the node. The node will ultimately be the primary mechanism for sharing environmental data with the public, EPA, other States, Tribes and other interested parties. Readiness grant funds will be used to develop the technical infrastructure for the node, prepare data for placement on the Network (including data standards, XML schema, etc.), develop TPAs with EPA, and develop necessary business processes to support Network participation. Facility data flow will be prioritized because it is the foundation for all other flows.	$338,900

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
California Environmental Protection Agency Air Resources Board	Title: Readiness Grant Proposal Building on State efforts and an EPA One Stop Grant, California will enter into an Information Exchange TPA with EPA to develop and implement a Network node. Initial information exchange will focus on Facility Identification, which will provide the basis for future additional programmatic exchanges. California intends to participate actively in developing coordinated national technical network standards, data standards, and exchange templates; and in sharing progress with other States and EPA. Readiness grant funding will be used to develop Network components, including a TPA with EPA to exchange facility information via the Network, and in implementation of the node to support facility data flows within Cal/EPA and with EPA.	$338,944
Colorado Department of Public Health and Environment	Title: Network Readiness Grant Proposal Colorado will implement a node on the Network and develop a centralized environmental database for exchange with the EPA CDX. High priority goals include the design and implementation of a Master Facility ID Geodatabase for the Hazardous Materials and Waste Management Division's regulated sites to ensure FITS, Version 2 compatibility, and exchange of FRS data between the State and EPA. Additional goals involve data systems quality improvement and conversions to allow data transfer to the CDX and to enhance overall data accessibility and a partnership with Colorado laboratories to exchange all data in an electronic data deliverable format.	$338,944

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
Georgia Department of Natural Resources	Title: Network Readiness Grant Georgia will continue development of an Environmental Information Management System (GEIMS), extend the range of data interchange between Georgia and EPA's FRS using the CDX interface, support FRS by incorporating the State-delegated program facility data into that system, and enhance ability to participate in the Air Quality Subsystem portion of CDX. Readiness grant funds will be used to migrate data from State-delegated programs into GEIMS using schemas developed under a One Stop grant, expand the range of data received from EPA system to include permitting and compliance data from the Envirofacts data warehouse, develop reusable components (Enterprise Java Beans) to guarantee that program data is handled consistently across applications, and participate in EPA efforts to submit ambient air monitoring data using the CDX.	$338,944
Illinois Environmental Protection Agency	Title: Application for Network Readiness Grant Illinois will apply Readiness Grant funding to phase-in Network participation over a 3-year period. The project will encompass core capacity building functions for establishing and maintaining a node on the Network. The building functions will: establish an official information source and steward, develop technical infrastructure for web-based node operation, connect information resources to the node, implement the node on the Network, and negotiate/manage a TPA with EPA. The node will provide data for DCS access in XML format. Initial data flows will include NEI and FRS, followed by RCRAInfo, STORET, IDEF for PCS, AQS, DMRs, AFS, TRI and UCMR.	$338,944

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
Indiana Department of Environmental Management	Title: Environmental Information Exchange Network Grant Program Readiness Grant Proposal Indiana will replicate facility data and data structures currently maintained in the Facility Linkage Application (FLA) system and transfer them to EPA's FRS. This replication will allow the State to create a FLA/FRS which will provide better quality data by consolidating facility information at the primary source for both State and Federal uses. Steps in the process will: establish an official information source and steward, develop technical infrastructure for Internet node operation, connect information resources to the node and node implementation, and create/manage a TPA with EPA HQ and Region 5.	$338,944
Louisiana Department of Health and Hospitals	Title: Application for Network Readiness Grant Louisiana will use Readiness grant funding in support of the Public Water Supply Supervision Program - Safe Drinking Water Information System (SDWIS) Database. Final upgrade implementation of the SDWIS database will be accomplished, along with a XML node for direct transfer of Safe Drinking Water Program data to EPA and other shareholders. Tasks to be completed will: establish the server for XML node outside of State firewalls; upgrade SDWIS software for direct translation into the node; migrate all laboratory data directly into SDWIS after testing is complete; and begin application development for migrating all Wellhead Protection and Source Water Assessment Program data directly into SDWIS.	$338,944

	FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS	
Recipient Name	**Project Description and Location**	**Award Amount**
Maine Department of Environmental Protection	Title: Network Readiness Grant Proposal Maine will use grant funding to implement a collection of planned projects that lack sufficient resources to be executed. These projects include: purchase and customization of an integrated environmental information system and establishment of an authoritative source for facility data; reconciliation of existing spatial datasets with facility IDs and identification of needs for additional data collection; construction of a data exchange node on the Environmental Information Exchange Network Grant Program and establishment of initial data flows, and expansion of real-time reporting of ambient air quality over the web. Initial flows will be PCS/IDEF and FRS. Additional flows include NEI, STORET, RCRAInfo, AQS, EDMR	$338,944
Maryland Department of the Environment	Title: Aerometric Information Retrieval System (AIRS) Data Exchange Project Maryland will use Readiness grant funds to build capacity for Network participation and to advance data integration efforts. A functional data exchange node will be developed, and a data system and XML schema will be created to support the exchange of data with EPA's AIRS. The project will modify the Air Emission System to meet data requirements of EPA's FRS and will establish infrastructure to support a Network node. A TPA will also be negotiated with EPA.	$338,944

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
Massachusetts Department of Environmental Protection	Title: Environmental Information Network Grant Program Proposal Massachusetts will use Readiness funds to leverage recent investments in a compliance and enforcement information management system that automates review and analysis of compliance data and generates and tracks enforcement documents. Successful completion of all three initiatives (eGov, compliance and enforcement improvements, and CDX Network node implementation with C&E enhancements) will result in better quality data and faster turnaround. Additional air, water, and waste compliance and enforcement data will also be transferred to EPA via the CDX Network. Massachusetts will implement a Network node with flows to three EPA systems (NEI, RCRAInfo, and PCS) and will also negotiate TPAs for all three flows.	$338,944
Michigan Department of Environmental Quality	Title: Exchange Network Readiness Grant Proposal Michigan will use Readiness grant funds to construct a Network node and participate in the global Environmental Data Exchange Network. Node servers and node software will be purchased; the node will be configured to compatibility with the State and EPA CDX servers; network personnel will be trained; and technical maintenance support will be obtained. The initial node will be dedicated to eDMR application. The node will process requests for information from other nodes and process database results for delivery back to the requesting node. Michigan is interested in expanding node functionalities for other EPA data flows, including drinking water, Title V air compliance reporting, and annual SARA 313 release inventory reporting.	$156,000

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Minnesota Pollution Control Agency	Title: Exchange Network Readiness Grant Proposal Minnesota will use Readiness funding to implement a Network node and improve the quality of data flow. Advances are planned for all of the core capacity building functions. Following implementation of the node, emphasis will be placed on improving the integration of enforcement data, preparing it for flow across the Exchange Network in the context of hazardous waste, air and water quality programmetic data. Specific steps include: build the node and security measures, determine the data to be flowed (FRS and possibly eDMR data), develop data management capability, acquire/develop DETs for the data, map the data, determine the quality of the data, develop TPAs, and implement the node and data flow.	$338,944
Mississippi Department of Environmental Quality	Title: Network Readiness Grant Application Using the Readiness grant funds, Mississippi will: upgrade its network infrastructure, purchase and implement web-based and application server hardware and software, create secure links between internal production data sources and the node, and train IT staff. Mississippi will formulate data exchanges for at least one EPA data flow to EPA's FRS, enhance the State's enSite integrated system to ensure future CDX data flows to EPA's PCS and RCRAInfo systems, and improve data quality and delivery to all stakeholders.	$338,944

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
Missouri Department of Natural Resources	Title: Network Readiness Grant Application Missouri will develop the technical infrastructure needed to establish a State node and will provide EPA and other information trading partners with access to the State data. Goals for the first year are to create a TPA with EPA Region 7, enhance the technical infrastructure to support a variety of e-government services, automate collection of air monitoring data, transmit State laboratory data to STORET, and begin to integrate the air site GIS data into the Missouri Emissions Inventory System. The goal for subsequent years is to continue developing infrastructure to automatically initiate and respond to information requests.	$338,944
New Hampshire Department of Environmental Services	Title: Exchange Network Readiness Proposal New Hampshire will use Readiness grant funds to: 1) flow key measures data to EPA Region 1 New England that will serve as the basis for future negotiations regarding priorities, resource allocations and work plan commitments; 2) improve the quality of objectives and related measures for tracking and reporting environmental conditions and trends in New Hampshire; and 3) improve the efficiency of the flow of measures data from internal program databases and from external data sources to the Measures Tracking and Reporting Systems (MTRS). Each activity will build upon progress under the Node Pilot project. Specific activities include beach data exchange and database development, air toxics data exchange and database development, and network management. New Hampshire will also draft and execute a TPA with EPA for stewardship and exchange of the measures data.	$338,944

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
New Jersey Department of Environmental Protection	Title: Safe Drinking Water Information System (SDWIS) Data Flow and Readiness Grant Application. This grant will assist New Jersey in building upon existing technological infrastructure from the Alpha and Beta phases of the Network, advance quality and availability of environmental data, and provide connectivity to other Network members via a node. New Jersey expects to begin exchanging data flows with EPA within the first year. After establishing an official source and steward and the technical infrastructure for Internet node operation, data exchanges will be created for at least two New Jersey-to-EPA data flows; enhancements will be made to the Environmental Management System; and efforts will be made to improve public access to high quality data. New Jersey will work with EPA Region 2 to develop TPAs for all data flows that occur through the node and advance data standards through data validation.	$321,000

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
New Mexico Environmental Department	Title: Network Readiness Grant Proposal New Mexico will use this grant to plan, design and implement a node on the Network in order to exchange environmental information with other Network partners. The first release of the node will focus on exchanging environmental information with the EPA Network node (CDX). State agencies to be automated and integrated on the node include air and water quality; hazardous, liquid and solid waste; petroleum storage tanks, DOE oversight, drinking water, radiation control and surface water quality. The Integrated Database for Environmental Assurance will be the official and primary information source for New Mexico's Network node. New Mexico is also investing in web portal technologies that may support some Network node functions. Priority data flows to be implemented are the AFS and RCRAInfo flows. New Mexico will work with EPA HQ and Region 6 to develop a strategy for managing TPAs.	$338,944

Recipient Name	Project Description and Location	Award Amount
New York Department of Environmental Conservation	Title: Readiness Grant Proposal for Network Node Implementation New York will use the Readiness grant to make material advances to infrastructure and initially use the node to flow facility data to the FRS. The data to be flowed will align with the CDX FRS data flow. Core capacity building functions to be undertaken and completed include: 1) establish an official information source and steward, 2) develop technical infrastructure for Internet node operation, 3) connect information resources to the node (facility, air emissions, and STORET data), and 4) implement the node, and create and execute TPAs.	$338,944
North Carolina Department of Environment and Natural Resources	Title: Network Readiness Grant Proposal North Carolina will use the grant to support development of TPAs, Data Standards, DETs and upgrading technical infrastructures. Together with past accomplishments, the State will implement a node on the Network. The node will initially provide access to a repository of FITS II data periodically updated and accessed through XML schemas to be developed. Once established, the system will be used for submission and/or retrieval of required information to fulfill data requirements of EPA and other agencies. Year 1 priorities are to develop node architecture, establish node functionality, and expand air and water compliance information. Year 2 priorities will expand electronic reporting capability for air quality information systems and expand available node requests to RCRA, STORET and NEI. Year 3 priorities will re-evaluate non-Network flows not in production by EPA: TRI, TSCA, and UCMR and expand available node requests to include DMRs.	$338,944

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
North Dakota Department of Health	Title: Network Readiness 2002 Proposal Over a 3-year period, North Dakota proposes to implement a multi-media Data Integration Management System (DIMS) that will include all environmental programs. A complete data inventory will be conducted as the basis for developing a facility database with unique identifiers. A DIMS committee will then determine the program area for development of the pilot Network node. The intent is to be responsive to current Federal and State requirements, yet provide the benefits of standardization and consistency that centralization and coordination offers. The project is divided into two phases: development of a FITS II database and implementation of the pilot Network node. North Dakota has a detailed plan for developing at least one current EPA data flow, AQS.	$338,944
Ohio Environmental Protection Agency	Title: Conversion of Agency data to XML. Ohio plans to use the Readiness grant to create initial linkages to the Network in order to advance the quality and availability of environmental data, advance the technical infrastructure (node server and Ethernet), and develop a Trading Partner Agreement to manage the facility data flow. Specifically, Ohio will upgrade to Ethernet topology from token ring, and purchase a node server and software that will place reconciled facility data in XML middleware schema format for transmission to EPA's FRS. Node security required by the Environmental Information Exchange Network Grant Program program will be achieved by selection of such technologies as Secure Socket Layer, Public Key Infrastructure, etc.	$338,944

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
Oklahoma Department of Environmental Quality	Title: FY 2002 Readiness Grant Oklahoma is currently developing an integrated information system to ensure accurate data flow to EPA and access to useful information by the public. The project began by development of an integrated system in the Air Quality Division that batch flows data to the National AIRS database. The system will be used as a model for the Water Quality and Land Protection Divisions of the Agency. Implementation of the Network node paradigm is the next logical step for this existing system. Additional steps are to integrate the NPDES systems now entering data into PCS, followed by RCRA data that updates RCRAInfo. SDWIS will be a subsequent step.	$338,944
Oregon Department of Environmental Quality	Title: Network Readiness Grant Oregon will undertake all core capacity functions and will conduct the transfer of as many data flows as the CDX can handle. Data exchange needs of the Department of Environmental Quality and the Human Services Health Division will be addressed. Success will be demonstrated through an upload of facility data to EPA's FRS using level 3 security. A Master TPA will be negotiated with EPA Region 10 to be incorporated in future Program Partnership Agreements. Oregon will also update internal Enforcement, Discharge Monitoring, and Hazardous Waste systems to complete key data components.	$338,944

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
Pennsylvania Department of Environmental Protection	Title: Network Readiness Grant Pennsylvania will implement a node and participate in data flows with EPA and other trading partners. Funds will be used to purchase web server and database server hardware and software. Internal staff will be used to perform data mapping to given DET and XML conversion, and a contractor will be used to develop the SOAP/WDSL processor and to train Agency staff. The Hazardous Waste Division plans to use the grant to initiate electronic data interchange between eFACTS and RCRAInfo -- initially for the Handler module and ultimately to include the Compliance, Monitoring and Enforcement module. The Department of Labor and Industry, PENNSAFE Bureau, will be revamped to streamline the data environment and to incorporate data utilizing EPA's TRI-ME reporting software.	$338,944
Puerto Rico Environmental Quality Board	Title: EPA Network Readiness Grant Puerto Rico will conduct a six-month baseline assessment of the information infrastructure and create a "road map" that prescribes detailed steps for achieving their objective. Emphasis will be placed on current organizational structure, core business processes and the adequacy of existing systems. The study will also provide a model of existing capabilities and suggestions for improvements that will capitalize on modern information technologies.	$75,000

Recipient Name	Project Description and Location	Award Amount
FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Rhode Island Department of Environmental Management	Title: Network Readiness Grant Proposal Rhode Island will implement a Network node for use by the Departments of Environmental Management and Health within the first year. Listed measures of success include: implementation of a working node, flow facility data to the FRS and prepare to flow DMR data, and flow Beach Monitoring Data resulting from Rhode Island's challenge grant participation. The initial node will provide two major functions: process requests for information from other nodes, and process results from database searches and deliver to the requesting node. As experience with node construction and operation is expanded, Rhode Island is interested in expanding the functionalities of other data flows. Future considerations include PCS permit terms and conditions, Air Emission Inventory data, and Department of Health Drinking Water Monitoring.	$338,944
South Carolina Department of Health and Environmental Control	Network Readiness Grant Over a 3-year period, South Carolina will use the Readiness grant to expand efforts already made under a 2001 One Stop grant to implement an Environmental Facility Information System (EFIS) that integrates information on environmental facilities, permits, violations, enforcement actions, and compliance activities for all media programs. The new project will: 1) establish quality requirements and methods of data exchange; and 2) establish a network node that allows South Carolina to become a partner in the Environmental Information Exchange Network Grant Program. Emphasis will be on high quality systems that support agency business functions and serve as node information sources, technical infrastructure, linkage of sources/systems to the node, servicing of authorized information requests, enterprise management (including node operation) and establishment of TPAs.	$338,944

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
Texas Natural Resources Conservation Commission	Title: Improving Network Infrastructure to Enable Network Participation. 2002-2003 Plan. Texas plans to use 2002-2003 grant funds to overcome technical barriers that prevent full participation in the Network: Oracle license restrictions and security concerns that forbid direct access of production databases from Internet-based users. Texas proposes to join the Network in phases: 1) remove architectural barriers to participation and implement the initial data flow, point source emissions inventory data; 2) write a "shell" or model TPA; 3) using the model, establish a TPA for pilot data flow; and 4) implement a pilot data flow. Future efforts will concentrate on data flows that Texas is currently required to submit to EPA.	$338,944
Utah Department of Environmental Quality	Title: Network Readiness Grant Proposal Utah participated in the original planning discussions in small States technology transfer forums, served on the Interim Network Steering Group and participated in the Network Alpha and Beta network node pilot projects. Using information management and accessibility infrastructure created with a One Stop project, Readiness grant funds will be used to maintain and sustain the Utah Beta test node and migrate the node to full production status and capabilities. In the Beta follow-on project, Utah will develop and test functional node specifications, test exchange protocols, and develop documentation. In addition, the State's environmental management databases will be integrated into a single information management approach.	$338,944

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Vermont Department of Environmental Conservation	Title: Proposal for Environmental Information Exchange Network Grant Program Grant Vermont will expand on progress already made toward establishing a viable technology infrastructure that includes building, consolidating, and linking core information systems. A selected number of program-specific environmental databases that now reside in separate divisional databases will be migrated onto a new centralized platform. The data will then be linked to Vermont's GIS data through graphical map applications. A document management system will also be employed to link-in additional textual and graphics information (both electronic and paper formats). Vermont will then be in a position to implement a single point data access for use with a test Network node. The test node represents the end-product of a first phase effort to address network Readiness. Implementation of a production node would be expected to occur as part of a follow-on project.	$337,958

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
Virginia Department of Environmental Quality	Title: Network Readiness Grant Virginia is an active participant in the Network through the IDEF Project and is currently using One Stop grant funding to analyze needs and formulate a Comprehensive Environmental Data System (CEDS). Readiness grant funds will be used to replace obsolete routers, purchase and install digital signature software and convert radiation from the Department of Health into electronic format. Security measures will also be adopted to ensure the quality of data flows into CEDS. Specific goals include: establish an official information source and steward, connect information resources to the node, develop technical infrastructure for Internet node operations, and purchase software to handle digital signature licenses for the regulated community involved in pilot testing electronic compliance report submittals online.	$338,944
Washington Department of Ecology	Title: Network Readiness Grant Washington will use Readiness grant funds to establish the technical infrastructure and at least one operational data flow within the first year. A detailed plan for implementing future data flows will be developed based on first year experiences and further development of EPA's CDX strategy. Washington's transition plan addresses each of the five core capacity building functions. Top priority for Environmental Information Exchange Network Grant Program implementation will be Type 1 (State-EPA flows) related to EPA's eight major national systems that are currently exchanging regulatory data with State and Tribal partners.	$338,944

EXCHANGE NETWORK STATE CHALLENGE AWARDS

AK Department of Environmental Conservation $215,707 Oregon (lead State) OR Department of Environmental Quality $300,990 ID Department of Environmental Quality $198,598 WA Department of Ecology $284,472	Title: Northwest Water Quality Data Exchange Oregon is teamed with Idaho, Alaska and Washington to develop and implement a Network node of water quality data drawn from distributed sources throughout the four States comprising Region 10. Where feasible, it will use the national STORET database as the primary data repository. The node will be made available throughout the Region, but will focus on the needs of jointly regulated watersheds, such as the Columbia and Snake River basins. The node will include voluntary monitoring groups, watershed councils, Tribes, State and Federal agencies, and the government of British Columbia. Specifically, the project will test: 1) the extensibility of Network principles, applying DETs and data standards in locations where only simple HTTP web services are available; 2) the concept of a distributed Network operating without a central data repository; 3) the ability to extend the Network to other political entities outside of the environmental regulatory community; and 4) the potential for providing data mapping tools to simplify mapping data to accepted DETs. Implicit in the proposal is the assumption that EPA Region 10 will be a major player, helping to establish Federal contacts, coordinating with EPA and participating in consortium development by conducting workshops and outreach with the target community. The RAINS (a demonstration project developed by Region 10) will be adapted as a location-based front end for data extraction.	$999,767 total

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
New Jersey (Lead State) NJ Department of Environmental Protection $525,000 DE Department of Natural Resources & Environmental Control $70,000 CA EPA Water Resources Control Board $90,000 GA Department of Natural Resources $80,000 NC Department of Environmental and Natural Resources $100,000 Association of State and Interstate Water Pollution Control Administrators (ASIWPCA) Earth 911	Title: Beach Water Quality Exchange and RCRA Data Flows This grant will advance the functionality of the Network by demonstrating immediate data flows of water quality monitoring information, health risk determinations and beach closure occurrence between local and State agencies and the EPA. The project will specifically demonstrate successful implementation of Network fundamentals and will provide a turn-key system that can be customized and replicated. The project will build upon the proven Earth 911 Beach Reporting System (BRS) model currently utilized by a number of local and State agencies to provide real-time public notification of beach closures and associated health risks at recreational beaches. Each State partners offers a different example of how data can be collected and exchanged through different government reporting structures. A unique feature of the project is collaboration with intrastate environmental and health agencies, as well as local governments. State and local agencies will be able to immediately begin utilizing the Network to share data and to meet public notification requirements.	$865,000 total

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Michigan (Lead State) MI Department of Environmental Quality $1,000,000 (Single grant to be shared with FL, IN, MN, PA, and WI)	Title: Technology Assessment and e-DMR XML Pilot and Data Exchange Michigan will administer the entire multi-State collaborative grant of $1,000,000 with Florida Indiana, Minnesota, Pennsylvania and Wisconsin. Other States, such as New York, Rhode Island and Texas have also expressed interest. Michigan's proposal includes two broad components: 1) technology assessment and development of tool sets for network node and data exchange creation with emphasis on security implementation and data exchange systems; and 2) state implementation of e-DMR data exchange capabilities with e-DMR SML schema. The first component involves a technology gap analysis and will result in a "set of tools and frameworks" that could serve as "foundation" for States to establish a node and data exchange capability compatible with participating States' existing systems. The second component involves pilot testing and development of a prototype data exchange system for electronic transmission of discharge monitoring reports and reporting requirements (DMRs) using the new TRG-approved e-DMR XML schema.	$1,000,000 total

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
Mississippi (Lead State) MS Department of Environmental Quality $215,000 TN Department of Environment and Conservation $150,000 NJ Department of Environmental Protection $150,000 NM Environment Department $190,000 KY Natural Resources and Environmental Protection Cabinet $150,000	Title: Development of Data Flow Exchanges between the Participating States and EPA. Mississippi will function as the administrative lead for this project to build flows of data from an integrated system to CDX in order to supply data to two EPA legacy systems: RCRAInfo and NEI. Specifically, the grant will be used to assist in verifying DETs and develop the schema to populate the templates and flow data (via EPA's CDX) to EPA legacy systems. The flows will be available to other States who may wish to implement this enterprise integrated management system. Additionally, the schema will be available to any State interested in data exchange via CDX for RCRAInfo and NEI. Success will be measured by: quality data being exchanged between each State and EPA; security of the data exchanged; fulfillment of TPA data requests and format; and proof of the concept that States can provide integrated data submissions that feed multiple national systems. Mississippi will be the lead State for RCRAInfo data flow and New Mexico will be the lead State for NEI data flow.	$855,000

FY 2002 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
New Hampshire (Lead State) NH Department of Environmental Services $416,473 ME Department of Human Services $206,000 RI Department of Health $206,066 VT Department of Environmental Conservation $206,000 NJ Department of Environmental Protection $265,000	Title: Electronic Storage and Sharing of Laboratory Information This project will implement a process of electronic data flow directly from the laboratories to the State Drinking Water Programs (in keeping with the CROMERR rule) and ultimately to EPA via the Network node. Goals will be achieved via an Internet template and file transfer process for introducing data into the State databases, developing a consistent set of data elements, business rules and validation criteria to ensure accurate and reliable information in the database. TPAs will also be negotiated with all participating State and commercial laboratories. EPA programs and the general public will have access to the laboratory data via the Network node in XML format. An advisory group will be formed to determine the effectiveness of the system in reducing the reporting burden on the regulated community. In light of heightened awareness of biological and chemical terrorism threats to drinking water supplies, the project will contribute significantly to the ability to access real time information.	$1,299,539