FY 2003 EXCHANGE NETWORK GRANT PROGRAM AWARDS
Office of Environmental Information
U.S. Environmental Protection Agency

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – TOTALS		
Type of Recipient	**Total Number of Awards**	**Total Amount of Awards**
Tribes	8 One Stop, 4 Readiness, 6 Challenge = 18	$1,899,996
States	7 One Stop, 37 Readiness, 3 Challenge = 47	$15,991,662
Territories	0 One Stop, 2 Readiness, 0 Challenge = 2	$476,300
All Recipients	67	$18,367,958

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
EXCHANGE NETWORK TRIBAL ONE STOP AWARDS		
Bad River Band of the Lake Superior Tribe of Chippewa Indians of the Bad River Reservation, Wisconsin Tribal Government	Title: Providing Public Access to Tribal Government Using Web Based Applications and Enhancing Geospatial Capabilities on the Bad River Indian Reservation With support from the Network One Stop grant the Bad River Tribe will have the ability to establish a permanent presence on the World Wide Web, make necessary upgrades to its internal Local Area Network, enhance its geospatial applications, and prepare for participation on the NEIEN system. Establishing a presence on the Word Wide Web will enable the Bad River Tribe to provide real-time access of various formats of environmental and geospatial data to both the public and its Tribal members. Upgrading the internal Local Area Network will provide more bandwidth to its users, fostering better communications and sharing of larger amounts of data more efficiently. Enhancements of the Bad River Tribes geospatial applications will support their ability to collect high quality spatial information of its environmental data and provide an efficient means of presenting this information in a spatial context. By providing a three to five year plan for environmental reporting and data management and implementing the technology advancements of this grant, the Bad River Tribe will have a definite direction for future participation on the NEIEN system.	$47,996

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Cortina Indian Rancheria of Wintun Indians of California Environmental Protection Agency	Title: Network One Stop Grant Proposal The Cortina Band of Wintun Indians, Cortina Rancheria, Wintun Environmental Protection Agency (WEPA) seeks to participate in the EPA National Environmental Information Exchange Network (NEIEN), and EPA's Facility Identification Standard (FIS). WEPA proposes to expand and enhance its existing network capabilities to support eventual submission of environmental data to the EPA Central Data Exchange (CDX). The network enhancement and expansion project is part of a broader three to five year plan for eventual development of WEPA's own Node on the NEIEN. To accomplish these goals, WEPA intends to use the Network One Stop grant funding to lay a solid foundation on which to build its network. A key factor in the success of Cortina's environmental program is the dissemination of real-time information to tribal members and the ability of tribal members to participate in environmental issue discussions and decisions. An obstacle to the real-time dissemination of information is the geographical location of the Cortina Indian Rancheria. Communication to and from the Rancheria is limited at best. WEPA will utilize the grant funding to develop a wireless network with a two-way satellite broadband capability to address the obstacle of the Rancheria's remote location, and to bring real-time data and information access to Tribal Members on the Rancheria.	$48,000

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Coyote Valley Band of Pomo Indians of California Tribal Environmental Programs	Title: National Environmental Information Exchange Network, Network One Stop Grant The purpose of the proposal is to establish Coyote Valley Tribe's capacity to implement the Network One Stop Grant. Planning and developing programs that enable the implementation of the National Environmental Information Exchange Network are the focus of this proposal and will build Tribal capacity to manage and regulate the resources of the Tribe and interface effectively with Network Partners. Another purpose of the proposal is to complete an already-begun Quality Assurance Program Plan (QAPP) that will improve the Tribe's ability to manage environmental information effectively and to conform to the reporting requirements of the National Environmental Information Exchange Network that are anticipated once the Tribe's Water Quality Standards are implemented. Since Coyote Valley shares surface waters with the State (Russian River and its tributary, Forsythe Creek), and both will be reporting under STORET, it is desirable to develop compatible reporting systems and data exchange systems. In addition, the Tribe currently operates a public water supply system serving Tribal education, athletic and day care facilities. This system is permitted under the Safe Drinking Water Act with the US EPA, and the Tribe is required to produce water quality reports for public access that are compatible with EPA's SDWI System.	$48,000

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
La Jolla Band of Luiseno Mission Indians of the La Jolla Reservation, California Environmental Resources Office	Title: Proposal for the EPA Network One Stop Grant The La Jolla Band of Indians is committed to implementing the five key building blocks of the One Stop program for environmental reporting. This includes: 1) Burden Reduction -This program will enable the Tribe to adopt measures to reduce the reporting burden. 2) Data Integration - We propose to implement the EPA data standards and use the FITS Data Model to facilitate data identification and integration. 3) Stakeholder Process - Facilitate the process through which the Tribes, Local, and Federal agencies work together. 4) EPA/State/Tribe Electronic Reporting - This program will assist us in achieving our goal of modernizing our data collection and reporting process. The goal is to utilize electronic collection and accepted standards to enhance the QA/QC process and to facilitate electronic data reporting. 5) Public Access - One of our goals is to create an Environmental Office Information website where Tribal members as well as the general public could obtain information on the water table, water quality, weather data, and general environmental issues.	$47,000

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Nez Perce Tribe of Idaho Land Services	Title: A collaborative network solution for environmental and water quality data synthesis and dissemination within the Clearwater River region. The Nez Perce tribe's Water Resources and Environmental Restoration and Waste Management (ERWM) programs are actively involved in developing water and airshed quality management plans based on watershed sedimentation loading and air particulate dissemination assessments. The Nez Perce GIS program has the expertise and equipment to provide geospatial information and data storage. However, a component of the GIS program that has not been established is a web-based interface for current geospatial data display. Another missing component is database architecture for online information entry, query, and distribution. The grant will be used to advance the storage structure and accessibility of the tribe's environmental and water quality data by completing the following objectives: 1) Develop database infrastructure for web-based, geospatial data access, 2) Develop a secure network node connection for agency and public access, and 3) Develop a dynamic Internet mapping system and display for geospatial visualizations, data reporting, and data mining.	$48,000

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Salt River Pima-Maricopa Indian Community of the Salt River Reservation, Arizona Cultural and Environmental Services	Title: NEIEN Grant Proposal The Salt River Pima Maricopa Indian Community plans to develop a Network Assessment Plan and a Network Management and Development Plan. If successfully secured, this proposal will streamline the Community's e-commerce exchange capacity to provide real-time environmental data and information to the Community government and Community members. The goal of the proposal is to enhance the reporting of data and information concerning issues of compliance, monitoring, surveys and permitting requirements and integrating such data and information with a GIS component. This initial project scope seeks to develop a Network Assessment Plan to assess the division's current information technology (IT) network capacity, determine IT requirements to upgrade existing hardware and software as necessary and commence consolidation of current available data and information. The project will determine improvements to the Community's networking capabilities within the Community Development Department (CDD), which is comprised of four divisions: Cultural and Environmental Services, Realty, Economic Development and Planning and Architectural Services.	$48,000

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Winnebago Tribe of Nebraska Environmental Protection Department	Title: Core Capacity Development to Implement a Network database system in the Tribe's Environmental Program for data integration with Federal, State, and other Tribal Agencies The Winnebago Tribe of Nebraska Environmental Protection Department (EPD) seeks funding to develop its environmental capabilities by assessing, collecting, and evaluation environmental data descriptive of all environmental media from its Reservation. Information generated during this project will identify and coordinate all data into a Network One Stop hub for all stakeholders (all persons residing within the Reservation boundaries), and users accessing the One Stop hub. This program will assist EPD in developing a full-scale implementation of the following objectives: a) Through the support of the GIS/GPS Specialist, EPD will establish a data management and integration approach, b) Through the use of new data collection standards and storage techniques EPD will begin to support the reporting burden reduction requirements, c) The reporting capability will focus on automated computer networks for the Tribe and EPD and provide specific information to decision makers in appropriate timelines required for the general public through the use of a kiosk location on the reservation, and d) A significant commitment will establish a comprehensive plan supporting environmental reporting and data management.	$66,000

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
EXCHANGE NETWORK TRIBAL READINESS AWARDS		
Confederated Tribes of Umatilla Indian Reservation, Oregon Tribal Planning Department	Title: Network Readiness Grant Proposal The Confederated Tribes of the Umatilla Indian Reservation (CTUIR) are committed to conducting environmental research and sharing the data from our research with the public. In order to facilitate this commitment, we are in the process of expanding our internal network infrastructure and our data-sharing capabilities with other agencies. We are applying for a Network Readiness grant in order to build on our efforts to date and to compliment our ongoing projects. While the Network Readiness grant would be an asset to CTUIR, we also believe that the Network NEIEN would greatly benefit from the addition of our wide range of data. For more than a decade, CTUIR has been conducting environmental research that is relevant to national and regional issues. The Network Readiness Grant would enable CTUIR to build upon our priority internal information technology investments by helping us purchase the hardware and software necessary to organize the large amount of data that we have collected. The Network Readiness Grant will allow CTUIR to create a centralized relational database accessible to all our departments that work on natural resource related issues.	$100,000

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Hualapai Indian Tribe of the Hualapai Indian Reservation, Arizona Department of Natural Resources	Title: Hualapai Department of Natural Resources Remote Air & Water Quality Monitoring Project - Readiness The Hualapai Department of Natural Resources (HDNR) proposes to enhance technical infrastructure capacity and systems development as part of the program goals for the Network. This network development and enhancement is integral to an ongoing effort led by HDNR to implement a digital data network for air and water quality monitoring data. The data from remote sites are collected for transmission to a central Hualapai Tribe receiving station, and as approved by the Hualapai Tribal Council, for subsequent distribution to CDX. HDNR proposes to expand ongoing work, funded by a 2002 Network Readiness Grant, by connection of remote monitoring stations to a centralized data storage and management facility, to facilitate data management and to alleviate the labor-intensive requirements of maintaining these distant stations without remote data transmission capability. Technical infrastructure improvements will be conducted to integrate several important programmatic goals of both HDNR and EPA.	$100,000

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
Navajo Nation Arizona, New Mexico and Utah Environmental Protection Agency	Title: Navajo Nation's Network Readiness Project The Navajo Nation Environmental Protection Agency's (NNEPA) goal is to improve the availability and quality of the data needed to make sound environmental decisions. This will enhance public health through sustainable environmental improvement, public service and public involvement. The immediate goals of this project are to: foster standardization and information sharing among NNEPA, USEPA, states, other trading partners, and public by establishing a secure point of exchange or Node (CDX is USEPA's Agency Node); establish Facility Registry System; design and implement Permit Compliance System (PCS), Safe Drinking Water Information System (SDWIS), and Storage and Retrieval System (STORET); design and upload Discharge Monitoring Reports (DMRs), and ACCESS database for our Underground Injection Control (UIC) Program and various other environmental and grant-related information on our central database repository; prepare a Three-year transition plan; and install the infrastructure for the Node to begin information exchange. In the future, other Departments within NNEPA and the Navajo Nation would also be able to take advantage of this Network for information exchange.	$100,000

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
St. Regis Band of Mohawk Indians of New York Environment Division	Title: Network Readiness Grant The St. Regis Mohawk Tribe (SRMT) Environment Division (ED) is seeking to further develop its' network capabilities with a Readiness Grant. The continued improvements to our technical infrastructure will increase the Tribe's and affiliated agencies environmental analysis and educational capabilities. The objectives of this second year of funding will build upon the core capacity building functions that are presently in initial stages of implementation by Environment personnel with NEIEN funding received for FY2002. The ED plans to maintain the T1 connection to the Internet, and continue the Information Technology Technician (IT Tech) position from NEIEN FY2002. The FY2003 funding will focus on advancing the SRMT's ability to participate on the network by improving the quality and quantity of environmental information flowed to the USEPA, the public, other agencies and other Tribes. These goals will be accomplished by a combination of adding equipment, software, services and personnel.	$100,000

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

EXCHANGE NETWORK TRIBAL CHALLENGE AWARDS

Board of Regents for and on behalf of Northern Arizona University Institute for Tribal Environmental Professionals	Title: To Expand and Continue a Web-based Tribal Air Monitoring Network, The Tribal Environmental Monitoring System (TEMS) The grant will be used to explore the possibility to develop a pilot project for a national, web-based tribal air monitoring network based on the needs that tribes like Walker River and Lone Pine have demonstrated. In the proposed pilot project, five core tribes (including Walker River and Lone Pine) will design their continuous monitoring programs around this registered software program into a national, web-based tribal air monitoring network. Based on the progress within one year, the pilot project will expand to other tribes and other environmental media as future demand and funding allow. This network will be referred to as the Tribal Environmental Monitoring System (TEMS) the NEIEN and reduce the burden for the reporting facilities by eliminating submission of data on paper or disparate electronic media.	$190,000
Central Council of the Tlingit & Haida Indian Tribes (Lead) Native Lands and Resources	Title: Waste on the Web (second year) The grant funds the planned second year of the Central Council of Tlingit and Haida Indian Tribes' staged effort to initiate the widespread use and participation in the Network by Alaska's 229 Tribes. Year 2 activities include: 1) generating high, return use of the Year 1 website, 2) developing and implementing an authorized use protocol for local updating by Tribes of their solid waste profiles housed as records in the website's database, 3) encouraging and facilitating Tribes to use standard environmental data templates, 4) refining and expanding solid waste information and increasing the number of	$150,000

	available SWM training modules on the website,	
	5) assisting less web-technology advanced Tribes with technical solid waste information and training while promoting the use of the website, and	
	6) assisting Alaska Tribes to develop data exchange capability in a pilot project that allows authorized updating of their record in the node's database.	

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Cherokee Nation, Oklahoma (Lead) Office of Environmental Services	Title: Inter-Tribal Environmental Council Network Challenge Project The principal objective of the grant is to assist the Inter-Tribal Environmental Council (ITEC) member tribes in transforming collected data into usable environmental information that can be accessed by other partners on the Network. This objective will be accomplished by the following activities: 1) To assist tribes in the preparation of collected water quality data to be reported in a standard format, 2) To establish and maintain a central depository for environmental information, primarily water data at first, collected by the ITEC tribes, 3) Establish a link for EPA and other secure partners to access this data, and 4) Provide training to participating tribes for formatting, uploading and managing data that is on this system.	$190,000

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Chippewa Tribe, Minnesota, Grand Portage Band Grand Portage Reservation Trust Lands: Natural Resources	Title: Wireless Networking for Information Exchange at Grand Portage Indian Reservation. The Grand Portage Indian Reservation is home to the Grand Portage Band of Lake Superior Chippewa Indians. The key goals for this NEIEN grant are: 1. To produce a comprehensive three to five year plan to provide guidelines for the reform of Grand Portage environmental data management and reporting. 2. Reduce reporting burden on local government including the Environmental Program. 3. Provide high speed Internet service between Tribal government offices. 4. Provide real-time access to Environmental and Geographic Information System (GIS) data. 5. Foster a geographic approach to environmental problem solving. 6. Establish efficient data sharing with partners, including EPA, BIA, USGS, USFWS, and the MNDNR. 7. Data integration for standardized sharing and reporting. The Work Plan Objectives are: 1. Install Wireless Network with High Speed Internet. 2. Implement Service to Programs.	$47,000

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Recipient Name	**Project Description and Location**	**Award Amount**
Coeur D'Alene Tribe of the Coeur D'Alene Reservation, Idaho (Lead) Tribal GIS Program	Title: Coeur d'Alene Tribe Network Challenge Grant The Coeur d'Alene Tribe is involved in several multi-organization (i.e. state, tribal and federal) collaborative efforts. In each effort communication and sharing of data is a critical component. The grant will fund the purchase of hardware and software needed to place existing data on the Network so participating organizations can view and harvest data for programs, such as the Tribal Air Quality and Pesticide programs. The primary purpose of this grant is to make that technology available to organizations outside the Tribe. By putting this technology on the Network it will increase accessibility and reduce reporting burdens to both EPA and participating organizations.	$190,000

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Confederated Tribes and Bands of the Yakama Nation, Washington (Lead) Environmental Protection Agency	Title: Sacred Breath of the Columbia River Gorge Project The Confederated Tribes and Bands of the Yakama Nation will use the grant to expand upon the foundation being developed by the Multi-Tribe Collaborative Project. The primary purpose of the initial CDX grant project was to develop the technical infrastructure. The Sacred Breath of the Columbia River Gorge Project builds upon the technical foundation and moves the collaborative effort to a level that expands on the centralization of data and provides information in a standardized format that will be understandable and useable. The primary focus will be to advance the functionality of the Network through the immediate flow and centralization of high quality environmental data related to air quality in the Columbia River Gorge National Scenic Area (CRGNSA). This work will fill a critical knowledge gap for making decisions and taking actions that provide true environmental improvements and cultural resource protection.	$190,000

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Shoshone and Arapaho Tribes of the Wind River Reservation, Wyoming (Lead) Wind River Environmental Quality Commission	Title: Wind River Environmental Quality Commission Challenge Grant Proposal The Wind River Environmental Quality Commission will use the grant to further the development of data network sharing technologies with the National Tribal Environmental Council (NTEC). This will include the development of a data network sharing tool, and the training and sharing of technologies including GIS, remote spacial information, aerial photography, and digitizing. This will benefit all Indian tribes and the EPA as well as other Federal agencies that need data on Indian tribes and their reservations.	$190,000

EXCHANGE NETWORK STATE ONE STOP WARDS		
Alabama Department of Environmental Management	Title: One Stop Exchange Network Grant The grant will support activities designed to move the Alabama Department of Environmental Management's core environmental information processes to a platform from which the processes of re-engineering and integration may proceed. The Department's need to discard obsolete technology, to integrate data, to make environmental data more accessible, and to simplify information management infrastructure is consistent with the underlying goals of the program: 1) reduce reporting burden, 2) foster multimedia approaches to problem solving, and 3) provide the public with meaningful, real-time access to environmental data.	$500,000
Colorado Department of Public Health and Environment	Title: One Stop Grant Application under USEPA NEIEN Grant Program The data system improvements proposed under this grant reflect the Colorado Department of Public Health and Environment's (CDPHE) commitment to the effective connection of their underlying data. The projects are pointed to improving their data infrastructure to facilitate effective communication across programs and to enable the data evaluation necessary to quantify the cause and effect upon the environment. At the same time, these projects will enhance CDPHE's ability to communicate these issues to the public. These projects are a mechanism to reduce the duplicative tasks of importing and maintaining data. They are also designed to improve CDPHE's ability to transmit data to EPA and display data to the public. This grant proposed to fund the following projects: 1) Expand the design of the Facility Master Geodatabase project pilot by HMWMD (funded by the 2002 Readiness grant) to include a subset of facilities from APCD and WQCD, 2) Continued development of the Environmental Chemistry Omnibus Post Office Project (ECOPOP), and 3) Address the disparity that exists across the environmental divisions in Data Systems Improvement and Conversions.	$500,000

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
District of Columbia Department of Health	Title: DC Network One Stop Program The proposed District of Columbia Department of Health (DOH) Network One Stop Program has as its goals: 1) To implement the EPA Facility Identification Template for States (FITS2) for all data sources providing environmental information to the Environmental Health Administration (EHA) Bureau of Environmental Quality and Bureau of Hazardous Materials and Toxic Waste; 2) To implement web-based, electronic data capture for all facilities, sites, and places of interest regulated by or providing information to the EHA Bureau of Environmental Quality and Bureau of Hazardous Materials and Toxic Waste; 3) To provide Internet access to stakeholders and the general public to environmental data gathered by the EHA Bureau of Environmental Quality and Bureau of Hazardous Materials and Toxic Waste; and 4) to initiate the transition toward full participation on the NEIEN. The grant will be jointly managed by the DOH Environmental Health Administration, which holds responsibility for protecting and preserving the City's air, water, soil and ecological balance, and the State Center for Health Statistics Administration (SCHSA), which oversees all information technology (IT) initiatives and operations within DOH.	$500,000

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
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Hawaii Department of Health	Title: National Environmental Information Exchange Network (NEIEN) Grant - One Stop Grant The purpose of this project is to improve upon the information management efforts within the Environmental Health Administration (EHA) of the Hawaii State Department of Health (HIDOH) in order to allow more timely and thorough use of collected and reported data. Currently, much of the data collected is not available to all interested parties, and is not in a format that promotes decision-making based upon best available information. HIDOH will address these shortcomings by creating a data warehouse to contain facility, permit and compliance information from all environmental media programs. Media program databases will be upgraded and made compatible with the FITS2 model, and exported to the warehouse according to NEIEN (Network) standards. The data warehouse will eventually serve as an integrated database for EPA reporting, senior management analysis, and web-based public access. Appropriate data will also be made available for inclusion in EPA's Facility Registry System (FRS). Eventually, all data will be geocoded for use with HIDOH's geographic information system (GIS).	$500,000

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
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North Dakota Department of Health	Title: ND Environmental Information Exchange Network Grant Program - One Stop. The Environmental Health Section of the North Dakota Department of Health is the environmental protection and control agency for the state. The section works closely with its citizens and industry and EPA to safeguard the quality of North Dakota's air, land and water resources. Compliance and enforcement of state and federal environmental laws are accomplished through permitting, inspecting, sampling, monitoring, analytical services, and cleanup activities. The Section is requesting a One Stop Grant to enhance our ability to collect, store, manage, retrieve and disseminate environmental data. The goals of this project are: to integrate data management systems for common activities across the section into the facility database; provide for burden reduction through electronic reporting and data management; maintain high quality environmental data; increase functionality of geographic information system (GIS) tools; and enhance public access. Our data management system will provide the foundation to streamline data management, resulting in burden reduction and improved public access to environmental information.	$500,000

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
South Dakota Department of Environment and Natural Resources	Title: Enhancement of Database Management, Integration, and Access at the South Dakota Department of Environmental and Natural Resources The South Dakota Department of Environment and Natural Resources (DENR) is the state's primary agency for collecting, maintaining, and evaluating environmental, regulatory compliance, and natural resources information. It is important that DENR maintains its data systems in an efficient manner. This includes a high level of completeness, accuracy, integration, and accessibility both internally and externally. The DENR Database Management Team has put forth a considerable effort to inventory the current state of data management in DENR and produce a list of recommendations to improve data integration and access. The One Stop Grant lends itself well to the type of reorganization that DENR is proposing for data management. Many of the goals of the One Stop Grant are also recommendations of the DENR Database Management Team. This includes establishment of standard facility IDs, improved data access for the public, and improved data sharing between EPA and DENR.	$500,000

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Recipient Name	**Project Description and Location**	**Award Amount**
Wyoming Department of Environmental Quality	Title: Network One Stop Grant There is an extraordinary amount of work which needs to be accomplished within the Wyoming Department of Environmental Quality (WDEQ) in order to: 1) improve existing data and information management systems; 2) develop a data standards "dictionary" which specifies protocol for data quality control and naming convention when any information is entered into the data and information management system; 3) develop a platform (e.g., GIS) to make the data and information management system readily available to stakeholders and partners; 4) facilitate exchange of the data and information management system for reporting purposes, including the development of a Facility Identifier system; and 5) allow staff (and others) to track and use data and information on environmental conditions, compliance, and progress at regulated sites. Funds and personnel are needed for this planning phase of a WDEQ data and information management system. Tasks to be accomplished include: determining staff needs and/or contractor support dedicated to Information Technology development, visiting other states with already developed data and information management systems, inventorying the existing data and information management systems, determining the efficacy of maintaining existing systems as well as developing new systems, determining how to create a system of data quality assurance/consistent convention for all data entered into the system(s), and determining software/hardware needs.	$500,000

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
EXCHANGE NETWORK STATE READINESS WARDS		
Arizona Department of Environmental Quality	Title: Network Readiness Grant Proposal The Arizona Department of Environmental Quality (ADEQ) will use the grant to expand the agency's network node functionality. This functionality builds upon the foundation developed under the agency's 2002 Readiness Grant. Currently, ADEQ is in the process of developing a network node and plans to transfer facility data to EPA by the end of 2003. ADEQ proposes to use the 2003 grant to share more data over the Network, not only with EPA, but also with other Arizona state agencies to support homeland security. For its 2003 grant, ADEQ plans to undertake the following activities: a) Transfer wastewater compliance (PCS) data to U.S. EPA over the Network, b) Share environmental data to support homeland security in GIS format using the agency's node, and c) Integrate the agency's hazardous waste and water quality data for exchange over the Network	$297,700

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
California	FY 03 Readiness Grant Summary The California EPA will be conducting three pilot data exchange and integration efforts with the (1) California Department of Health Services (state agency), (2) Santa Clara Unified Program (local government), (3) Bay Area Air Quality Management District (Regional agency) along with the State Water Resources Control Board, the California NODE, and related program databases at the US EPA (federal agency). A more detailed summary follows for each of the three pilot efforts. The Department of Health Services component will facilitate the flow and exchange of drinking water data between the Local Primacy Agencies, Division of Drinking Water and Environmental Management at the California Department of Health Services, the California EPA and the US EPA. This will be accomplished through the development of a system of inter-nodal, internet based dynamic push/pull XML data transfer processes. The Santa Clara Unified Program component will establish an easy-to-use electronic transfer system of facility records for storage of hazardous materials meeting Federal Tier II and California Hazardous Materials Business Plan/Inventory reporting laws from industry and local agencies to a single XML compliant node at the California EPA. The Bay Area Air Quality Management District component will automate the data management system that collects, checks and distributes a large portion of the air quality and meteorological data almost in real-time.	$810,000

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Delaware Department of Natural Resources and Environmental Control	Title: Network Readiness Grant The Delaware Department of Natural Resources and Environmental Control (DNREC) implements priority data flows through the Network from their previous grant. This grant will be used for DNREC to accomplish one other priority flow through the Network. DNREC has identified the following tasks for this grant: 1) Integration of well monitoring data from the Department of Public Health, 2) Geospatial Development (Improve location coordinates for Hazardous Waste, Waste Water Discharge and Air Quality program facilities, Acquire data for environmental decision making, Impervious area delineation through aerial photo interpretation, and Hydrology Regime delineation), and 3) Enhance current map view in the Environmental Navigator program, which provides a centralized location for environmental data.	$297,700
Florida Department of Environmental Protection	Title: State Information Grants - NEIEN - STORET Enhancements (Readiness Grant) The Florida Department of Environmental Protection proposes that the Readiness grant will be used to flow water quality data from laboratory and field sources in Florida to EPA STORET. Only the activities in Year One are covered by the grant. Year One activities include: 1) Build and interface between Laboratory QC and FL STORET that is compatible with EPA STORET, 2) Modify FL STORET to accept SIM changes, 3) Develop TPA on how FL STORET will transmit to EPA STORET, 4) Enable transmission and QA of field data to FL STORET, and 5) Contract manager for modifications of Adapt, STORET, and SIM.	$297,700

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Georgia Department of Natural Resources	Title: Georgia EPD's Commitment to Environmental Stewardship: Implementing an Information-Sharing Partnership The Georgia Department of Natural Resources grant will be used to allow Georgia to a) continue the development of the Georgia Environmental Information Management System (GEIMS), b) develop software that will give Georgia a unified view of their GEIMS data that crosses program boundaries which will support regional/district compliance activities, c) continue development of their Complaint Tracking Software (CTS) in Java (J2EE) so it that will integrate into their current GEIMS model, and d) develop GIS services that will give them a graphical view of our permits, facilities and compliance status from their GEIMS database.	$297,700

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Idaho Department of Environmental Quality	Title: Idaho Network Readiness Grant The purpose of this grant workplan is to communicate a commitment on behalf of the Idaho Department of Environmental Quality (DEQ) to plan, design and implement a node on the National Environmental Information Exchange Network (Network). The DEQ Node will be designed to exchange environmental information with other Network partners. The first release of the DEQ node will focus on exchanging environmental information with EPA via the EPA Node (CDX). The grant will fund ongoing efforts, as well as to construct initial linkages to the Network: - Establish the EIMS as the official information source and steward for the Department. - Build DEQ internal capacity to add network flows by implementing the initial version of EIMS, the Facility Profiler and the Integrated Compliance Tracking System. - Conduct reconciliation of facility records using the duplicate identification routines of the FRS. - Carry out the reconciliation on the underlying Idaho facility records. - Build DEQ internal capacity to add network flows by initiating additional system design. - Establish a complete network node that implements all four levels of security to the extent that EPA is prepared to do so. - Prove node operations and update EPA data through a flow of facility data to the EPA Facility Registry System (FRS). - Execute Trading Partner Agreements (TPAs) with EPA Region 10 for all established flows.	$297,700

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
Illinois Environmental Protection Agency	Title: Network Readiness Grant, National Environmental Information Exchange Network Grant Program The Illinois Environmental Protection Agency (Illinois EPA) is applying for a Network Readiness Grant in order to continue its progress in promoting the efficient and effective utilization of environmental data for the purpose of improving the state's environmental conditions and responding to potential Homeland Security issues. Moreover, this project builds upon previous efforts of developing the Agency Compliance and Enforcement System (ACES). Further, this proposal integrates geospatial data acquisition, locational data improvement and data acquisition. Illinois EPA is applying for a Network Readiness Grant that would assist in extending the capacity of the ACES Application to the Agency's mobile workforce. The Illinois EPA would be developing data collection applications for the new Windows Tablet personal computer (Tablet PC). The Tablet PC has been designed to be used as a laptop computer with the options of entering data in a variety of different ways: voice, keyboard or hand-writing recognition. A dedicated server would be acquired to provide for the data synchronization.	$178,600
Iowa Department of Natural Resources	Title: Network Readiness Grant to develop and pilot a network node that will serve as the official information source for Iowa's environmental data. The Iowa Department of Natural Resources (DNR) grant will be used to develop and pilot a network node that will serve as the official information source for Iowa's environmental data. The goals are: 1) Reduce burden of both EPA and DNR by developing a network node for exchanging data, 2) Ensure data quality by using data standards, quality assurance plans, and standardized procedures for data integration; all overseen by a data steward, and 3) Improve efficient access to environmental data for sound decisions by DNR, partners and stakeholders; by developing an interactive map server application.	$297,700

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Kansas Department of Health and Environment	Title: Network Readiness The Kansas Department of Health and Environment, Division of Environment (DoE) project goal is: To develop and implement a National Environmental Information Network (the Network) Node with a commitment to capturing high quality, reliable, and consistent environmental data and making the data accessible to State and Federal agencies and the public. This Node would ensure that DoE staff, the public, and sister agencies will have access to the information needed to evaluate program compliance performance, understand environmental conditions, develop strategies to ensure environmental protection, respond to customer needs, and strengthen environmental program management. In summary, the outcomes of the project strongly reflect the Network Readiness Grant objectives of improving the quality and availability of environmental data. Obtaining the Network Readiness Grant will facilitate the development of TPAs and the improvement of data exchange. Our measure of success will be the creation and successful operation of a Network Node to exchange data between the DoE and the US EPA.	$297,700

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Louisiana Department of Health and Hospitals	Title: National Environmental Information Exchange Network Grant - Network Readiness Grant Application For the Louisiana Public Water Supply Supervision (PWSS) Program Safe Drinking Water Information System (SDWIS) Database This application is for continuing the development and streamlining of the Louisiana Public Water Supply Supervision (PWSS) Program Safe Drinking Water Information System (SDWIS) Database. The grant funds will enable the Louisiana Department of Health and Hospitals (LDHH) to perform the following projects: 1) Purchase Laboratory Information Management System (LIMS) web-based software for the integration and data transfer of bacteriological drinking water sampling and analysis data from the state laboratories directly into the SDWIS database, 2) Retain consulting services to develop web-based Electronic Data Interchange (EDI) software to allow remote client input, tracking and retrieval by the Regional offices, 3) Purchase twenty tablet-based computers for performance and record keeping of field activities related to the Safe Drinking Water Program, and 4) Obtain consulting services for application development to enable downlink of information from field tablets directly into the SDWIS database.	$237,000

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Maine Department of Environmental Protection	Title: Exchange Network Readiness Grant The Maine Department of Environmental Protection (MDEP) proposes to use the Readiness grant funding to go along with State funding to implement a collection of projects that are on the drawing board, but lack resources to execute. This grant assistance will enable us to move forward at a faster pace and allow gains in our internal improvements to be shared with interested parties outside the agency. The grant assistance will be used as follows: - to partially fund a two year position for an Environmental Data System Manager to oversee data conversion/migration, QA/QC, data flows, and be the data steward for the MDEP integrated environmental information system - to fund the purchase of two quad processor servers for Citrix deployment of the MDEP environmental information system - to complete the development of data standards and a geospatial database model and to implement standard operating procedures for managing spatial data - for upgrades, maintenance, support and service of the Maine Exchange Network Node and for the knowledge transfer of Oracle Node information between ME and SC - to write trading partner agreements and develop data flows and XML exchange schemas for MDEP facility data to the Federal Registry System (FRS) and MEPCS to the Permit Compliance System (PCS).	$297,700

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Maryland Department of the Environment	Title: Maryland Regulatory Network Node Implementation Project The Maryland Department of the Environment (MDE) project will result in the realization of several benefits for EPA and its Network partners including: 1) The elimination of data gaps and the increased availability of data to EPA and other States through the establishment of an official MDE data source for the following data flows: EDWR/ PDWIS, eDMR, and FRS. 2) The availability of higher quality information from the State of Maryland through established Trading Partner Agreements and through documented data quality controls and procedures. 3) A reduction in the amount of effort and expense required by Network partners to establish a similar capability. The resulting artifacts of this Project, to include the resulting modified EEMS data system developed by the MDE, all of the documented requirements associated with this System, all documented data quality and control procedures and processes necessary to support the established data flows, and all specifications derived from the implementation of the XML schema will be made available to all Network partners. 4) This project will further the goals of the Facility Registry System (FRS) by expanding the current inventory of Maryland facilities captured in the Facility Registry System.	$297,700

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Massachusetts Department of Environmental Protection	Title: Network Readiness Grant The Massachusetts Department of Environmental Protection (MA DEP) seeks funds to build on the foundation of work already underway as a direct result of our FY 02 Readiness grant. MA DEP is making notable progress in our efforts to use technology as an instrument to collect, utilize, and share information more effectively, but there is much more work to be accomplished. The FY 03 grant funds will be used to accelerate and enhance the objectives of the initial Readiness grant. The funds will also enable us to create a seamless communication between MA DEP's integrated environmental database, the Environmental Protection Integrated Computer System (EPICS) and our GIS database. As a result, MA DEP will be able to incorporate the geospatial data associated with the data streams that we transfer to EPA via the Exchange Network. Nearly all of the funds will be used for outside consultant assistance with system development, expanding our information management capacity, and geospatial development. MA DEP also plans to contract for the services of a part-time professional Project Manager to work with our eDEP Project Manager to coordinate the Environmental Information Exchange effort.	$178,600

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Michigan Department of Environmental Quality	Title: Node development within the State of Michigan The Michigan Department of Environmental Quality (MDEQ) proposes to implement a drinking water data flow that will enhance Michigan's ability to participate the in Network and to streamline efforts to flow drinking water to the CDX. Upon completion of this project, MDEQ will be able to: 1) Expand the existing XML-based Data Collection Server (i.e., E2) to provide a Drinking Water Reporting (DWR) module that will allow all public water supply institutions (including community and non-community water supplies) to submit laboratory data and monthly operation reports (MORs) electronically to MDEQ, 2) Provide technical assistance to the MDEQ for expansion of the WaterChem database to manage MOR data. MDEQ will take the lead on WaterChem database expansion, 3) Flow laboratory and MOR data to the WaterChem database, and 4) Flow laboratory and MOR data from WaterChem to SDWIS-State and the non-community regulatory applications.	$297,000

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Minnesota Pollution Control Agency	Title: Exchange Network Readiness Grant Minnesota Pollution Control Agency (MPCA) outlines a proposal for: 1) data flow implementation, and 2) locational data improvement. Data Flow Implementation includes three broad components: 1. Implement three, or more, data flows, 2. Identify and correct data quality problems in data to be flowed, and 3. Train program staff in new processes regarding ongoing data management practices. The goals of Data Flow Implementation are to: Flow at least Hazardous Waste and National Emissions Inventory data from MPCA to CDX, Flow Hazardous Waste data from at least one local government to the MPCA, Identify and correct data gaps and data quality shortcomings in data to be flowed, and if time and resources permit, flow STORET and PCS data. Locational Data Improvement includes three broad components: 1. Create a locational data upgrade and maintenance tool, 2. Verify accuracy of locational data for all 34,000 facilities plus 11,000 additional tanks locations, and 3. Acquire appropriate locational data where accuracy is not sufficient. The goal of Locational Data Improvement is excellent quality locational data for all 45,000 facilities in MPCA Delta and tanks databases.	$297,700

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Mississippi Department of Environmental Quality	Title: FY03 NEIE Network Readiness Grant Application The project Mississippi Department of Environmental Quality (MDEQ) will undertake under this grant award will build upon the work implemented under its 2002 Network Readiness Grant, which establishes a Network node presence and develops and implements the data flow from MDEQ's integrated information management system, enSite (electronic Environmental Site Information System) to EPA's Facility Registry System (FRS). The project proposed under this grant award is also in alignment with EPA's Central Data Exchange (CDX) priorities, by enhancing the data exchange between enSite and EPA's Permit Compliance System (PCS) via the Interim Data Exchange Format (IDEF). Under this grant award, MDEQ proposes the development and implementation of a web-based electronic Discharge Monitoring Report (eDMR) system for use by facilities required to submit DMR data to the State. This web-based system will interface with enSite, reducing the traditional burden associated with hard copy reporting on both industry and MDEQ staff. This system will improve data quality by reducing the number of data entry errors, and improve the timeliness of data by eliminating the requirement of hard copy forms to be submitted, and then, entry of the hard copy data into enSite and PCS.	$297,700

	FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS	
Recipient Name	**Project Description and Location**	**Award Amount**
Montana Department of Environmental Quality	Title: Montana Network Readiness Grant The Montana Department of Environmental Quality's (MTDEQ) proposal for a Network Readiness Grant will assist the department in advancing the quality and availability of environmental data by providing for the development and deployment of enterprise data quality standards and a pilot implementation of an Exchange Network node. The proposal is to fund the first phase of the transition to the Exchange Network standards and to strategically position the MTDEQ to develop and implement additional Trading Partner Agreements and data flows so that the MTDEQ may more fully share Facility Identification information from the enterprise database with other states and the federal government. Specifically, the MTDEQ is applying for funds to: 1. Execute a data quality analysis against existing databases; 2. Develop, implement and test data quality standards, policies, procedures and guidelines; 3. Establish and test data quality audit policies and procedures; 4. Institute data cleansing activities; 5. Continue integrated systems development and data migration activities; 6. Develop the technical infrastructure for a Network Node; 7. Construct an initial linkage to the Network; and 8. Form a pilot strategic data exchange partnership with at least one external organization.	$297,700

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Nebraska Department of Environmental Quality	Title: Readiness Grant The FY2003 Readiness Grant was awarded to the Nebraska Department of Environmental Quality (NDEQ) and the Nebraska Department of Health and Human Services (NHHS). NDEQ is the lead agency and as the lead agency, will provide guidance and work with NHHS in the development of a node on the EPA NETWORK for the exchange of drinking water information as required by the national Safe Drinking Water Act. The majority of the other federal acts and programs governed by EPA are implemented in the NDEQ. Historically the two agencies have shared data as snapshots of static data in flat file formats. With this grant, NHHS and NDEQ will be working to exchange the drinking water information in an XML format between their two nodes. NHHS will also provide Safe Drinking Water Information System (SDWIS) information to the Central Data Exchange (CDX) via the Node. The CDX is the point of entry on the Environmental Information Exchange Network (Exchange Network) for environmental data submissions to EPA. Through the Exchange Network, EPA is working with reporting entities, including industry, States and local and Tribal agencies to enable streamlined, electronic submission of data via the Internet.	$400,000

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
New Hampshire Department of Environmental Services	Title: 2003 Network Readiness Grant The New Hampshire Department of Environmental Services (NHDES) has been actively involved in the development of the Exchange Network since its inception, and this application proposes to continue and advance the department's involvement. The first readiness grant provided support for our participation in the Node 1.0 Project, for general network management activities, and for work on three specific data flows (air toxics, beach water quality data and environmental measures). This application requests a second readiness grant to continue our network management activities, to expand the specific data flow work into the hazardous waste area, and to accelerate work on establishing high-quality hydrographic spatial data. The three components of this application are Network Management, Hazardous Waste Handler Notification and Translation, and High Resolution Hydrographic Spatial Data. The Network Management component will pick up where the work under the first readiness grant ends, utilizing the experience from the Node 1.0 Project to move New Hampshire's node into a fully operational phase with multiple data flows. The Hazardous Waste Handler Notification and Translation component will provide NH generators a web-based notification form, re-direct NH generators from the EPA CDX version of the Site ID form to the NH version, and begin routine translation of handler data from our state system to the EPA RCRAInfo system. The High Resolution Hydrographic Spatial Data component will provide a stable framework to which a large number of existing data sets can be referenced, enabling them to be analyzed and modeled in relation to one another.	$297,700

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
New Jersey Department of Environmental Protection	Title: 2003 Network Readiness Grant This grant will assist the New Jersey Department of Environmental Protection (NJDEP) by allowing us to build upon New Jersey's existing technological infrastructure, advance and quality and availability of our environmental data, provide connectivity to other Network members through the deployment of a technological infrastructure, advance the quality and availability of our environmental data, provide connectivity to other Network members through the deployment of a network node and leverage money from last year's NEIEN grants to enable NEI, IDEF, FRS, SDWIS flows in 2004. Additional funding for NJDEP's network node is necessary to build the infrastructure, including hardware, software, and web services, needed to comply with the Network Node 1.0 specifications. In addition, this infrastructure will be constructed and deployed in a scalable manner that will allow for future enhancement without reconstruction as the Network Node specifications mature. Lastly, it will provide a new source for Trading Partner Agreements (TPAs) and advance Data Standards through data validation.	$296,600

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
New Mexico Environment Department	Title: NMED Network Readiness Grant The purpose of this grant proposal is to request assistance to expand the scope of the information exchanged and to improve the support structure for the information and services provided by the New Mexico Environment Department (NMED) on the Network. More specifically, the NMED would like to design and implement a well data exchange capability for the State of New Mexico and to make well data available to internal and external constituents through a web and GIS user interface. The NMED would also like to retain data administration, project management, and application development staff who are responsible for Network implementation. The purpose of the project is to expand the scope of the information exchanged on the Network by developing a state-wide data model for well data, developing well data exchange agreements amongst multiple State and Federal agencies and programs, and developing a prototype for exchanging well data and making all State well data available to internal and external stakeholders via a web and GIS user.	$297,700

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
New York State Department of Environmental Conservation	Title: National Environmental Information Exchange Network - Network Node Readiness Grant - Network Node Expansion The New York State Department of Environmental Conservation (DEC) proposes to build upon New York's FY 2002 Readiness Project by increasing locational data accuracy for facility locations through development of tools and standards for improving locational accuracy. New York will pilot these methods by applying them to over 500 Title V air facilities identified in the National Air Emissions Inventory (NEI). These improved coordinates will then be flowed back to EPA via the existing Facility Registry System (FRS) data flow. To complement the improved locational data for the NEI facilities, New York will also be implementing the NEI emissions data flow to EPA. This grant will fund an effort that will: Develop a set of standard methods that may be applied by other states for improving locational accuracy, Incorporate and promote EPA's latitude/longitude data standards and Federal Geographic Data Committee (FGDC) standards, Improve locational coordinates for facilities in FRS, Document facility locational improvements and transfer data and metadata to EPA through the Node, Build the foundation for sharing more complex geospatial information with EPA and partners including areas, boundaries and imagery, Advance the DEC technical infrastructure by the establishment of a geodatabase, Augment the existing data flow to EPA by providing NEI data using the Network Node that was established in New York's FY2002 Readiness Project, and Build DEC internal capacity by increasing staff knowledge to add Network flows through training and experience.	$297,700

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
North Carolina Department of Environment and Natural Resources	Title: National Environmental Information Exchange Network: Network Readiness Grant The specific goal of North Carolina Department of Environment and Natural Resources' project is to develop the continued development of an EPA Data Exchange Node on the Network that will be used as the official and single repository for departmental environmental data. This data will be accessible to authorized agencies and individuals through developed XML schemas. Data may be submitted from the repository to satisfy EPA reporting requirements or inquiries may be submitted against the repository to satisfy information requests. The Network Readiness Grant will support the expansion of the Network Node to include integrated security complaint and sharing of Nuclear Reporting information. The Network Readiness Grant will support expansion of the Network Node requirements including: Integrating environmental information to insure that all related information is available (FITS II and media), Developing Trading Partner Agreements that will include agreements as to the data provided and guidelines for working relationships, Developing Data Standards to facilitate the exchange of data, Developing Data Exchange Templates that allow easy access and retrieval of data from data repositories, Enhancing public access to environmental information through upgrades to the technical infrastructure, Developing XML Schemas, Developing Quality Assurance Plans, Developing system documentation, and Developing EPA Data Exchange integrated secure environment as per State and CDX Exchange standards.	$178,600

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Ohio Environmental Protection Agency	Title: Network Readiness Grant Proposal The Ohio Environmental Protection Agency (Ohio EPA) 2003 Network Readiness Grant Project goals are: 1) Build infrastructure that will support Web-based Data Entry Modules (DEMs) used by regulated community stakeholders who submit required information to our Air, Hazardous Waste, Surface Water, Drinking and Ground Waters, and Solid and Infectious Waste programs, 2) Contract DBA and programming support to develop the front-end common screens for Web- based DEM's. The completion of this project will lay the groundwork for all agency DEM's to be converted to Web applications that are initiated through the common DEM's. This can be accomplished through subsequent NEIEN grants or other funding if it becomes available, and 3) Develop TPA with Ohio Department of Health to make arrangements for their STORET/beaches-related water quality data to be exchanged with the Central Data Exchange (CDX) via the Ohio EPA node.	$297,700

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
Oklahoma Department of Environmental Quality	Title: Network Readiness Grant Proposal The Oklahoma Department of Environmental Quality (DEQ) plans to expand on existing efforts (Network Readiness Grant FY02) within the state to support EPA's Central Data Exchange (CDX) efforts. This includes prioritizing projects in accordance with EPA's CDX data flow priorities and compiling data in formats which support both Facility Identification Template for States (FITS) guidelines and Environmental Data Standards Council (EDSC) Network data standards. In addition to providing accurate, standardized data to Trading Partners through the DEQ Integrated Information Node (Network Readiness Grant FY02), this project will expand on existing DEQ capabilities to disseminate environmental data through a web-based GIS application (ArcIMS). A significant benefit of implementing this grant through DEQ is the ability of DEQ to not only provide data to Trading Partners but also to provide the general public a user friendly, web based tool for viewing environmental data within a visual environment. Project milestones include: 1) QAPP submittal for all secondary monitoring data, 2) Determination of lat/lons for DEQ facilities/activities, 3) Creation of Master Facility List, 4) Compile acquired partner data into to DEQ's Integrated Information Node, 5) Load web application (ArcIMS Enhancements), and 6) Establish information exchange link with EPA.	$297,700

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
Oregon Department of Environmental Quality	Title: Network Readiness Grant for Network Node Enhancements The Oregon Department of Environmental Quality (ODEQ) has already agreed to construct a network node, and to flow all major data flows for which CDX is expected to be ready during the period of our 2002 network readiness grant. This proposal focuses on data flows which were removed from the 2002 proposal due to the imposed funding limitation, and on infrastructure improvements intended to enhance the accuracy of data included in flows of data to CDX. The grant will help fund a new effort that will: Enhance interactive node capabilities by warehousing certain node data, Enhance the ability of DEQ staff to provide accurate location information and to more easily reconcile duplicates, Enhance the quality of a shared contacts information database, Integrate all uses of chemical substances in a single system, Expand trading partner agreements, Input permit conditions to an automated discharge monitoring system, and Fund air quality data flows that were removed from the 2002 proposal due to limits on available funds.	$287,876
Pennsylvania Department of Environmental Protection	Title: Network Readiness Grant Electronic Data Interchange Between eFacts and RCRAInfo The Pennsylvania Department of Environmental Protection (PADEP) envisions the need to trade information with many partners and shares this vision with the Environmental Protection Agency. To that end PADEP wishes to continue its participation in the Network by expanding the data flows between EPA and PADEP. The PADEP proposes to use FY 2003 grant moneys to continue with the electronic data interchange between eFACTS and RCRAInfo. A portion of the grant moneys received in the FY 2002 grant will be used to initiate the electronic data interchange between the Handler module of RCRAInfo and eFACTS. The grant moneys from the FY 2003 grant will be used to build upon the existing Handler module work.	$178,600

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
South Carolina Department of Health and Environmental Control	Title: Network Readiness Grant Phase II The South Carolina Department of Health and Environmental Control (DHEC) was awarded a Network Readiness Grant in 2002. DHEC plans for the 2003 Network Readiness grant include the following milestones: Upgrade the Environmental Facility Information System (EFIS) GIS mapping programs, Develop a proof-of-concept EFIS Internet application interface, Develop the electronic Discharge Monitoring Report (DMR) interfaces to allow submission of DMR reports to DHEC via the Network Node, Develop and implement the National Emissions Inventory (NEI) exchange between DHEC and the EPA CDX, Develop and implement the geospatial components of the Facility Registry System (FRS), Develop the XML Schema for exchange of Hazardous Waste Quarterly Reports via the Network Node, FRS TPA between DHEC and the EPA that will be established with the 2002 Readiness Grant will be enhanced to include the geospatial components and, a TPA will be initiated with a regulated partner.	$297,700

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Texas Commission on Environmental Quality	Title: National Environmental Information Exchange Network. Readiness Grant Phase 2 The Texas Commission on Environmental Quality (TCEQ) has continued to improve and integrate its information technology systems as outlined in the FY 02 Readiness Grant work plan. The work plan for the FY 03 Readiness Grant includes the following objectives: Objective 1: Security Assessment - The first objective is to perform a risk analysis of electronic reporting, and use the report to determine how well our current electronic reporting infrastructure mitigates the identified risks. Objective 2: Single Sign-On (SSO) for External Users - In order to ease the burden of adding additional data flows to our electronic reporting system, as well as tracking user access throughout the system the TCEQ needs to implement a user management solution with SSO capability. Objective 3: Increase Hardware Capacity - The addition of electronic reporting will place additional load on our infrastructure in numerous areas. We need to purchase items that increase our capacity to accept electronic reporting. Objective 4: Modify Pilot Node to use Web Services - We anticipate web services and related technology will mature enough during this grant period to the point where the TCEQ would like to upgrade the Node to use web services.	$297,700

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Utah Department of Environmental Quality	Title: Network Readiness Grant Proposal The primary goal of the Utah Department of Environmental Quality's (UDEQ) network readiness grant request is to maintain UDEQ's node in a full production status and to enhance the methods and infrastructure of data administration and data flow. The grant will be used to create a data administration function with the specific responsibilities of data integration, data quality and data integrity as well as the redesign of UDEQ data flows. The grant will also be used to reengineer and automate the data flow processes between the State Health Laboratory (SHL) and five UDEQ divisions. The water programs will be the pilot areas for this task. Through this grant request, UDEQ will be able to enhance and expand work completed under the initial network readiness grant. Project goals include: 1. Establish departmental data administration function, and begin migration toward a fully functional departmental data warehouse, 2. Complete data flow analysis and data gaps analysis on new and evolving XML schema, 3. Review existing quality assurance procedures for data entry and data maintenance, 4. Match SHL needs with commercially available LIMS software, New LIMS application installed and integrated into SHL operations, and 6. New procedures are developed for the electronic transfer of data between SHL and UDEQ utilizing NEIEN node and XML schema.	$297,700

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
Vermont Agency of Natural Resources	Title: Network Readiness Grant The Vermont Agency of Natural Resources (VTANR) applied for a FY 2003 Network Readiness Grant to advance the quality and availability of our geospatial environmental data. The proposed work is complementary to the technical infrastructure development underway for the current Network Readiness grant project. In turn, this will further improve the operation of our environmental programs, and better prepare us to take on additional responsibilities while participating on the National Environmental Information Exchange Network. The proposed activities undertaken during a new project are in the area of geospatial development, with our intention being to: 1. Enhance the quantity and quality of GIS data of DEC programs associated with data flows identified in the current grant project (STORET and RCRA), 2. Create GIS coverages (data layers) for related DEC programs (wastewater discharges and TMDL), 3. Provide the necessary training in order to assure long-term maintenance of the aforementioned datasets by DEC staff, and 4. Enhance existing Vermont-specific datasets by including flow regime attributes.	$297,700

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Virginia Department of Environmental Quality	Title: EPA Network Readiness Grant Proposal The Virginia Department of Environmental Quality (VADEQ) was awarded an EPA Network Readiness Grant in FY02 to prepare our infrastructure for Internet node operation. The FY03 grant will enable us to continue building our infrastructure in order to achieve the overall goal of becoming a vital node on the NEIEN. VADEQ has an established Oracle database called CEDS, which stores air, water, and waste data. The Network Readiness Grant offers an opportunity to help VADEQ fund much needed replacements and additions to our technical infrastructure and increase security to help ensure the quality of data flowing into CEDS. With this grant, VADEQ proposes to undertake the following core capacity building functions: 1) Develop technical infrastructure for Internet node operation. a. Purchase and Install Additional Regional Network Switches. b. Purchase and Install a Storage Area Network (SAN). c. Purchase and Install a Reliable Uninterruptible Power System. d. Purchase and Install Hardware/Software for Mobile Infrastructure Deployment. 2) Connection of information resources to the node.	$178,600

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Washington Department of Ecology	Title: State of Washington Network Readiness Grant The State of Washington Department of Ecology (Ecology) proposes to build the needed capacity for implementing a network node for the State of Washington. This work will build on enterprise information management work begun by Ecology in 1995 and supported in part by a FY 1996 EPA One-Stop Grant and a FY 2002 Network Readiness Grant. By June of this year Ecology will have established the technical infrastructure and at least two operational data flows (FRS and PCS-IDEF - Facility, Permit, and Compliance modules). (Work also is underway on additional data flows (RCRAInfo) using other resources.) This proposal seeks resources to build on this success and implement additional data flows through the Central Data Exchange (CDX). Plans include: PCS-IDEF, RCRAInfo, STORET, and eDMRs.	$297,700

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS

Recipient Name	Project Description and Location	Award Amount
West Virginia Department of Health and Human Resources	Title: Network Readiness Grant The West Virginia Department of Health and Human Resources intends to build a data management system that will complement use of the Internet system to disseminate data to a wide range of audiences partnering in the regulatory oversight of the state's public drinking water supply systems. The state has adopted the Safe Drinking Water Information Systems (SDWIS) to manage its data management tasks and compliance. All interested parties will use this grant to further develop the electronic corridor permitting easy access of information. Monies from the grant will provide the state the ability to develop the platform needed to assure that data can be provided to our environmental partners in a timely, easily available manner. The grant will also provide the state with the capability to receive electronic data, assure security of the data base and streamline the entire data management process. This will allow the state to assimilate additional data into the data base to satisfy the continuing need of our environmental partners for more information on the electronic information highway.	$178,600

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Wisconsin Department of Natural Resources	Title: Exchange Network Readiness Grant The Wisconsin Department of Natural Resources (DNR) proposal builds on the successful development of our node as provided for by our FY02 Readiness award. We are proposing to move to the production status of our node with the bi-directional flow of regulatory data, and the creation of a true Network shared information registry for corporate geospatial data. Our registry will mine our legacy data systems for geospatial information about regulated facilities, related sites, and land features. Our FY02 Readiness grant enabled us to flow facility information from our Environmental Site Register (ESR) to the Facility Registry System using the Facility V2.0 schema. For FY03 we propose to enable the bi-directional flow of ESR data between not only EPA and Network partners, but also the facilities for which we have data. We also propose to enhance the ESR to support the electronic reporting role management needs of our programs. We intend to develop systems and tools to help internal staff collect or improve geospatial data associated with regulated and/or monitored facilities, businesses, and resources.	$297,700

EXCHANGE NETWORK STATE CHALLENGE AWARDS		
Recipient Name	**Project Description and Location**	**Award Amount**
California Environmental Protection Agency	Title: Integrated Data for Environmental Assessment (IDEA) - Phase III, Challenge Grant Proposal California will use the grant to 1) Expand the regulatory data exchange network between local governments, Cal/EPA and U.S. EPA begun on a pilot basis in Phase II, and 2) Develop an Electronic Receiving System (ERS) at the State Water Resources Control Board that will include automatic compliance checking, appropriate repositories for the collected data, and mechanisms for sharing the collected data through the Cal/EPA IDEA network architecture and its interface with U. S. EPA's Permit Compliance System (PCS) and Storage and Retrieval system (STORET), to the Central Data Exchange (CDX) and the Office of Enforcement Compliance and Assurance (OECA). This will significantly reduce the reporting burden for regulated industries.	$1,000,000
Delaware (Lead) Department of Natural Resources and Environmental Control	Arizona, Indiana, Kansas, South Carolina (Members) Title: Network Challenge Grant Application to Develop CROMERRR Compliant Online Reporting System for Air Emissions Inventory Delaware and four other states will use the grant for the development of an online reporting system complying with the proposed CROMERRR to allow facilities to submit air emissions inventory data to the state agencies. This project when implemented will result in collection of more accurate information and reduction in effort required to capture and upload the data to the State systems and from there to EPA's CDX. This will improve the quality of data fed to the NEIEN and reduce the burden for the reporting facilities by eliminating submission of data on paper or disparate electronic media.	$378,000

FY 2003 EXCHANGE NETWORK GRANT PROGRAM – RECIPIENTS		
Recipient Name	**Project Description and Location**	**Award Amount**
Maine (Lead) Department of Environmental Protection	Delaware, Mississippi, Nebraska, New Hampshire, New Mexico and Utah (Members) Title: Exchange Node Mentoring The seven Node 1.0 Project States will use the grant to mentor and assist other states implementing Network Nodes. The goals are: 1) Assist new States in successfully implementing their Nodes; 2) Assist the Network Steering Board in reaching the goal of having 44 Exchange Network flows by FY2004. Network flows cannot occur without a functioning node; and 3) Facilitate and organize platform specific technology transfer to reduce cost burden on States using the same technology platforms. The seven Node 1.0 states are prepared to pass on the knowledge and lessons they learned and help other states build on the base they established. This grant will be used to defray the costs of planning and administering a coordinated mentoring program and to build the necessary staff depth needed to provide mentoring services.	$494,000

EXCHANGE NETWORK TERRITORIES READINESS AWARDS		
Recipient Name	**Project Description and Location**	**Award Amount**
Guam Environmental Protection Agency	Title: Readiness Proposal A Readiness grant will allow the Guam Environmental Protection Agency (GEPA) to move ahead with its information management reforms and eventual full participation in the Network. GEPA is at an important crossroads in not only the history of its existence, but in the way government in general—and the Government of Guam in particular—does business. Strategic planning and development at this stage will speed the implementation of a fully integrated system for sharing environmental data across program lines, between GEPA and other local and federal entities, and with the public. GEPA's three-year transition plan aims to improve the quality and availability of environmental data and implement two of the core Network capacity building functions: establishing an official information source and steward; and developing technical infrastructure for Internet node operations. The Agency's plan entails the following major steps: - Conduct a comprehensive evaluation of Agency information technology needs. - Re-engineer the Agency's networking and database infrastructure. - Expand Geographic Information Systems (GIS) to the program level. - Develop integrated Agency-wide data standards.	$178,600

EXCHANGE NETWORK TERRITORIES READINESS AWARDS		
Recipient Name	**Project Description and Location**	**Award Amount**
Puerto Rico Environmental Quality Board	Title: Network Readiness Grant Proposal The Puerto Rico Environmental Quality Board (EQB) will make effective use of a grant by: - Building upon the IT Baseline Assessment undertaken under EQB's 2002 Readiness Grant to modernize our information infrastructure and establish a NEIEN node; and - Implementing the exchange of air quality, air emissions, air quality compliance data via the CDX data exchange Node. The project will be divided into two phases. Phase 1 will develop data standards and establish an integrated facility database. Phase 2 will develop a pilot Network Node for Facility and Air Quality Program. With this proposal, EQB continues its strong commitment to provide the management support and resources required to establish a Network Node. Achieving the objectives will further Ebb's goals of better protecting the environment and the public through improved organizational capacity and quality.	$297,700