

# **FY2015 IT Plan Highlights**

## **521 EMNRD – Energy, Minerals and Natural Resources Department**

### **Executive Summary:**

1. This Information Technology (IT) Plan supports the Agency's strategic plan as well as the agency's business goals and objectives and is aligned with the State IT Strategic plan and gives a summary of the entire enterprise of the Energy, Minerals and Natural Resources Department (EMNRD), the accomplishments for FY13 and the information systems that support it for FY14 (July 1, 2013 through June 30, 2014). The IT plan also describes the initiatives that the department is planning to take during the next several fiscal years.
2. The EMNRD IT Office (ITO) will continue to analyze needs and make recommendations for the use of appropriate and efficient technology to improve business processes.
3. Major projects planned or already underway include:
  - a. enhancement and modernization of EMNRD's Microsoft System Center Configuration Manager (SCCM) to provide improved systems management, software deployment and update management;
  - b. continued development and expansion of geospatial capabilities including both internal and external webmaps;
  - c. creating a new EMNRD intranet portal that replaces and improves on our existing SharePoint system;
  - d. building new functions into the OCD database systems that would enable all OCD related data changes to be made at EMNRD, avoiding the need for OCD users to make coordinated data edits across multiple systems; and
  - e. continuing the support and modernization of our important agency applications.

### **Agency Vision:**

A New Mexico where individuals, agencies and organizations work collaboratively on energy and natural resource management to ensure a sustainable environmental and economic future.

### **Agency Description:**

1. The New Mexico Energy, EMNRD protects and conserves the state's natural resources and provides recreational opportunities throughout the state. The department is home to five programmatic divisions and one supportive division and employs ~500 Full Time Equivalents (FTEs) throughout the state.
2. The ITO is the central IT and information systems provider for EMNRD and Youth Conservation Corps (YCC). ITO is responsible for the department's IT hardware, software, applications, databases, GIS, network installations, maintenance and security.
3. ITO meets or exceeds applicable state standards and complies with the New Mexico Information Technology Strategic Plan FY2014 - FY2016.

### **Major IT Accomplishments of FY13:**

- Implement agency-wide desktop and laptop PC backups
- ArcGIS Version 10 update to Version 10.1 Service Pack 1 plus essential patches roll-out for ESRI Desktop GIS software
- Enterprise Geodatabases: Consolidated geospatial data stores maintained
- Autodesk MapGuide replaced by Esri ArcGIS Server 10.1 SP1
- GIS Imagery Server, Image Services maintained and GIS Services
- Standardized Webmap Authoring Templates
- Forestry Fire Management System FMS Revamp and OARS Overhaul – Phase I and II
- MARP Permit Search and Annual Reporting
- Coal Water Quality Data Extract
- OCD TIFF to PDF Document Conversion
- KOFAX Document Imaging System Upgrade
- OCD Imaging Web Application Upgrades, eDocs Web Application upgrades and Permitting Upgrades
- New EMNRD Public Website and EMNRD Web Application User Interface Modernization
- SQL Server 2008 R2 Deployment and EMNRD SQL Reporting Services
- Windows 7 Deployment Enterprise-Wide

### **Infrastructure Services – Plans to Expand:**

Public Wi-Fi

### **Changes in Federal or State of New Mexico Requirements with IT Impact:**

- State requirement for capture of operator submitted Hydraulic Fluid Fracturing Disclosure forms
- Federal and State broadband initiatives may provide service options for the department's remote offices which currently are not able to connect to reliable or cost effective internet service.
- Server Consolidation

- IT Service Requests

**Agency IT Strategic Goals:**

- Goal 1: Streamline operations and to increase staff productivity by refining EMNRD business processes and technical infrastructure through continuous process improvement;
- Goal 2: Enhance delivery of services to the public and support economic development;
- Goal 3: Reduce the cost to provide high quality IT services for the agency;
- Goal 4: Continue to improve security and security monitoring capabilities; and
- Goal 5: Provide training and knowledge transfer to our technical team to enable support of current and developing technologies.

**Project:**

Remote Site DR/Business Continuity - Implement Business Continuity/DR systems at Remote Site in FY15.

**Joint Funding Opportunities:**

Enterprise and other statewide licensing agreements in order to reduce costs. (E.g. Adobe, VMware, EMC, Symantec, TrendMicro, etc.) - All State Agencies

**IT Staff Training Plans:**

- Intro, Intermediate, and Advanced GIS
- Intro to GPS (Topcon, Trimble) and GPS (Garmin)
- ESRI GIS Infrastructure Administration and GIS-related App Development
- ERDAS Remote Sensing / Imagery Analysis
- MS Office, MS Windows, MCSE, and Windows 7 MCTS
- Network+ and CompTIA A+ certification
- Microsoft SCCM administration
- VMware
- Adobe Acrobat
- Advanced ASP.NET 4.5 using Visual Studio 2012
- C# Design and Application Patterns and Advanced C# using Visual Studio 2012
- Maintaining a Microsoft SQL Server 2012 Database
- Business Analysis for the IT Professional