

# IT STREAMLINING COMMITTEE



**October 21, 2009**

Louisiana Department of  
**EDUCATION**

Paul G. Pastorek, State Superintendent of Education

# LDOE CUSTOMERS

- 1,471 public schools
- 681,038 students
- 54,506 public school Teachers, Principals, Assistants, Counselors, Librarians

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# LDOE INNOVATIVE PROJECT INITIATIVES

- P-12 LONGITUDINAL DATA SYSTEM
- P-20 STATEWIDE DATA SYSTEM
- STATEWIDE BROADBAND
- STATEWIDE ERATE
- STATEWIDE VIDEO CONFERENCING/DISTANCE LEARNING

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# LDOE Awarded \$4.1 Million for Longitudinal Data System

## **P-12 LONGITUDINAL DATA SYSTEM**

- Applied for and was awarded a competitive grant to integrate 26 data systems
- New system will:
  - Provide one-stop shopping
  - Improve data accessibility
  - Reduce redundancies
  - Improve accuracy of reports
  - Provide single source of finalized data
- Project start date - Spring 2010

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# LDOE REAL TIME STUDENT INFORMATION SYSTEM

## **P-20 LONGITUDINAL DATA SYSTEM Grant**

- Applying for ARRA/federal stimulus grant to develop a Pre-Kindergarten to career longitudinal data system
- System will:
  - Allow data to be shared with other agencies – BOR, DSS, Workforce Commission, Corrections, and Juvenile Justice
  - One stop shopping for reports
  - Reduce unnecessary data collections
  - Improve program analysis to determine effectiveness
- Grant Application due 11/19/2009

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# LDOE SOLUTION to IMPROVING BROADBAND INFRASTRUCTURE

## ARRA **STATEWIDE BROADBAND GRANT**

- Applied for round 1 ARRA grant to build a statewide broadband system
- Provide Broadband to underserved parishes for online testing, video conferencing, & distance learning
- Collaborated with La. Geographic Information Systems (LAGIS), La. Optical Network Initiative (LONI), LSU AG Center, BOR, DHH, & LPB to submit grant
- Round 1 award notifications expected 1/2010
- Applying for round 2 ARRA Broadband Grant 2/2010

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## Create a STATEWIDE Support System to MAXIMIZE the E-RATE Funding for Schools

- LDOE recommends that additional support services be provided to school districts on e-rate regulations in order to maximize funding
  - Some school districts lack the resources necessary to submit applications and meet the stringent program regulations to ensure maximum funding is obtained
- If the LDOE were provided \$500,000 funding and the ability to hire staff with expertise in this area, the school districts could possibly receive an additional estimated \$100 Million in e-rate funds per year
- These funds would assist schools & districts in improving their network infrastructure and provide statewide Broadband infrastructure for both schools and communities
- The goal would be to have usable Broadband and robust network capabilities in every school by **2015**

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# EXPAND STATEWIDE VIDEO CONFERENCING & DISTANCE LEARNING

- Phase 1 – In-process
  - Utilized the LONI network to provide for WAN & Internet services to support CISCO TELEPRESENCE in BTR, Recovery School District, Monroe City, & Jefferson
- Phase 2 – In-process
  - Provide a cost effective statewide WAN solution for connecting all P-20 educational sites and public libraries for video conferencing and distance learning
  - Consolidate resources and equipment for delivery of video-based distance learning for P-20
  - BOR/LDOE collaboration will cut Bridging services expenses to \$0 for all school districts

# LDOE Electronic GRANTS MANAGEMENT SYSTEM (EGMS)

- Over the last few years, manual grant application & payment processes have been automated to manage approximately \$750,000,000 in Federal grant funds
  - EGMS has streamlined the processes & allowed for uniform grants management procedures across the agency
- Automated edit checks along with availability of management & statistical reports are additional benefits
- EGMS is available 24x7x365 to users
- EGMS capabilities far exceed those of the ERP system
  - LDOE is developing an Interface to the new ERP system

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# LDOE STREAMLINING PROJECTS

- Centralized all IT Hardware and Software purchases, maintenance, and licensing across all LDOE offices
  - Funds are being managed centrally to remove duplication & ensure that agency purchases are targeted

# LDOE STREAMLINING PROJECTS

## COST SAVING MEASURES

- Cancelled all PAGERS
- Reduced the use of AIR CARDS by 11%
- Reduced copier costs & consolidated to a new vendor
  - New copiers are set up as NETWORK PRINTERS
  - Started migrating all LDOE staff to Network printing
  - Anticipate savings in print cartridge purchases
- Started migrating towards State Email ARCHIVING

# LDOE STREAMLINING PROJECTS

- **SERVER Virtualization**
  - Reduced new hardware Server purchases by 50%
- **AUTOMATED SECURITY SYSTEM**
  - Web-based security management system implemented to give school district's security coordinators their own security rights.
- **PASSWORD RESET SYSTEM**
  - Eliminated vendor cost for password reset by outsourcing

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# LDOE STREAMLINING PROJECTS

## SINGLE TECHNOLOGY MODEL ADOPTED

- Eliminated the IBM Mainframe as of 6/30/2009
- Migrated all application systems to a standard server architecture
- Standardized all switches, servers, & disk storage
- 140 servers managed by 2 staff
- Provides an OPEN SYSTEMS software solution that can be scaled up rapidly to meet data growth
- Standardized software development architecture ensures a large base of skilled staff from which to draw

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# LDOE STREAMLINING PROJECTS

## EPORTAL

- Collaborated with Board of Regents to outsource the creation of a one-stop solution for educational & career planning for users along a life-long learning continuum

## DEWS – Dropout Early Warning System

- Outsourced the DEWS management system to create a data driven tool to help school district personnel alter the behavior patterns of those students who are candidates for dropping out of school based on discipline, attendance, & GPA records

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# LDOE STREAMLINING BUSINESS PROCESSES

- Using the DOA, DOR, & DSS best practice METASTORM **Workflow** software – LDOE developed and implemented a Purchase order WORKFLOW system
  - Saved 15% of staff time for approximately 140 staff
- Shared our Purchase Order workflow System with DOR
- Currently creating additional workflow systems to be shared with any other agencies:
  - REQUEST Tracking System
  - CONTRACT Tracking System

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# LDOE STREAMLINING Desktop / LAPTOP to Anytime, Anywhere Computing

- Replacement equipment costs are 50% of current PC and LAPTOP costs under state contracts
- Helpdesk management of Desktops reduced through standardized image
- Eliminate VPN Tunneling in lieu of direct connecting to the CITRIX Server for user authentication

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# How will the new ERP Financial System impact LDOE?

- **ERP will provide:**
  - Up-to-date financial application systems
  - Equipment Asset Management system
  - Workflow system from purchase requisition request through the final vendor payment
- **ERP will not provide:**
  - LDOE's existing Grants Management System
    - ERP does not provide EDIT Checks or Controls required to meet Federal/State grants reporting & auditing standards
  - LDOE's existing Subsidiary Grants system (Outsourced to DOA)

# How Can the IT STREAMLINING COMMITTEE help?

## SOLUTIONS

- Streamline the STATE procurement LAWS
  - Processing time is lengthy under current laws
  - Agencies need to be able to move quickly in order to take advantage of special pricing
  - Often higher costs incurred as a consequence of current process
- Negotiate State software pricing
  - Currently, all agencies have to negotiate their own software pricing
  - One contract would save money