LIMS Strategic Implementation Plan
Project Review and Recommendations

Presented by Roger Colwell and Tim Ledet
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Goals of the Project

– Develop strategic implementation plan for a levee information management system

• Actions
  » Meet with SLFPA-E staff and levee district staff
  » Analyze input from meetings and subsequent discussion
  » Develop plan
  » Requested a recommendations input
  » Final Plan delivered on May 15th, 2012
Current Status of Related Efforts

- Gathering data from Orleans Tax Assessor’s office
- NFIP GIS layers
- SLFPA-E is working with GCR on ROW/Property easements and ownership data.
Map Viewer

Levee System Layers
Real Time Gauge Data
Levee Watcher’s Input
Control Structure Status
Permit Tracking
Inspection data/reports
NFIP flood data
ROE/ROW/Easements
Closure Alerts
Recommendations

What to do now:

– Begin implementation of LIMS
– Look to build LIMS within OLD IT infrastructure
  ● Secured facility
  ● Have some licensed software that LIMS could use
  ● Capable system administrator available to assist
– Begin building GIS layers of Levee System using the NLD database design standard
– Build a GIS Web Viewer
  ● Would be the dashboard for the additional modules
– Build the Document Management Module
  ● Get started on building the digital document library
Recommendations

What to wait on:

- Permits Module
- Inspection Module
- Operations and Maintenance Module
Why wait on the Permits Module

- CPRA is developing a Permit Application module with the SONRIS environment
- SLFPA-E is considered a partner with this effort
- Wait and see what functionality is built into this application
- Application goes to testing in October
Why wait on the Inspections Module

- Recommend taking a look at the LA DOTD inspection application
- Available to all levee districts
- Application/Data hosted by DOTD
- Does require equipment purchases
Why wait on the O&M Module

- This module could have a very broad scope
- Levee Districts have a lot of new infrastructure coming on line
- Is there consistency among the districts to build an Authority wide O&M application
Funding Opportunities

● Existing Grants
  – Pre-Disaster Mitigation Grant
  – Hazard Mitigation Grant Program
  – Buffer Zone Protection Program

● Future Grant Opportunities
  – National Preparedness Grant Program
  – National Levee Safety Grant
Questions
Document Upload

- Attaching documents, drawings, As-builts, etc. to features on the map
- Link documents to more than one feature
- Search tool to retrieve/view documents
Levee Inspection Module

- Researching the USACE Levee Inspection System (LIS)
- Recommend to follow the LIS data model
- The inspection module would incorporate the data collected on a mobile application used to collect inspection data and photos
- The inspection module would be able to query specific inspections by type or event to view in LIMS
Permit Tracking

- OCPR has begun an initiative to develop a permit tracking application as permits move through the system for approval.
- SLFPA-E and Atkins personnel have engaged in a dialog with OCPR to understand how SLFPA-E can be a partner.
- Partnership could lead to LIMS having a direct connection to pull information that SLFPA-E is interested in tracking.
Operations & Maintenance Module

- Looking at the daily routines/activities of the levee districts
- Inquiring as to what kind of information the districts would like to track/report on
- New infrastructure being turned over to maintain by levee districts
- How to help manage the information
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