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Oracle Spatial User Conference
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Managing American Recovery and Reinvestment Act Awards with Oracle BI, MapViewer and GoogleMaps at NOAA
Program Agenda

• Overview
• ARRA Reporting Challenges
• ARRA Executive Dashboard Demo
  – Navigation and Dashboard Layout
  – Reporting
  – State and Congressional Districts Perspective
• Questions
OVERVIEW
• The audience for the National Oceanic and Atmospheric Administration’s (NOAA) American Recovery and Reinvestment Act (ARRA) Executive Dashboard is the CFO, ARRA Program Managers, and Executive Contracts / Grants and Budget communities.

CHALLENGES / OPPORTUNITIES
• ARRA Executive Dashboard implemented to address data accessibility across NOAA
• Version 1.0 required to be implemented in very short timeframe to meet internal requirements.
• Transparency requirements
• Guidance Interpretation and Execution

SOLUTIONS
• Oracle Database Enterprise Edition (Ver 10gR2)
• Oracle Application Server (10gAS)
  • MapViewer (Ver. 11.1.1.0)
• Oracle Business Intelligence Enterprise Edition (Ver. 10.1.3)
  • Oracle BI Publisher
• Google Maps API

RESULTS
• Integrated Results from NOAA’s Core Financial System / Data Warehouse with NOAA Contracts, NOAA Grants, FPDS-NG, and Recipient Reporting.
• Achieved integration of disparate data sources to enable consistent reporting and auditability
• Achieved full compliance of all reporting recipients due to availability of data
• Enabled reporting and tracking of data at agency, state and Congressional District level
• Improved reconciliation of Recipient Data against Award data highlighting differences to speed the process.
ARRA Executive Dashboard Overview
ARRA Reporting Challenges

• Transparency Requirements
  – Lack of integration, “Stovepipes” between external reporting applications
  – Definition / formatting of reporting elements not clear (Example: obligation, outlay, award vs order)
  – Availability of desired data vs. data currently available in existing systems (Example: place of performance vs. payment address vs. contract / grant location data)

• Accountability and Auditability
  – Must quickly and accurately reconcile to recipient/sub-recipient data
  – Data timing and periodicity of reporting
  – Required to manage and integrate information from multiple data sources
  – Roles and Responsibilities
ARRA Reporting Challenges

• Guidance Interpretation and Execution
  – Initially, evolving requirements to greater levels of detail (Example: State reporting to congressional district)
  – Limitations within external legacy systems (Example: FPDS funding source)
  – Flexibility to respond to outside changes (Example: Congressional Redistricting)

• Timing Issues Related to Reporting Data
DEMONSTRATION
DEMONSTRATION

ARRA Executive Dashboard
Overview Tab – Initial View

Several Map Views Available

Color-coded map and legend reflect ARRA Obligation ranges.
Overview Tab – Report Options

- Capability to Drill to Detail by State with Links to External Sites

[Image of ARRA Executive Dashboard with interactive elements and data tables]
State View

Pushpins indicate Number of Awards per Zip Code within Congressional Districts
Summary of Awards by Zip

Map Pushpins provide a snapshot of CBS, Grants/Contract, and Recipient data for the selected Award.
Congressional District Details
Data Focused by ARRA Funds

Only Congressional Districts that have ARRA Awards appear in the list.
Contract / Grant Officer Details

Grant Number Hotlinks provide a formatted Recipient Detailed Award Report
Budget Office Perspective

Reports are tailored to different target audiences.
Q&A