19th XBRL International Conference

Enabling State Grants and Stimulus Reporting with XBRL

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In This Session

- Nevada XBRL Strategy – Kim Wallin, State Controller, State of Nevada
  - Nevada Grants Experience
  - Nevada XBRL Activities
- Looking Ahead on State Grants Reporting – FFATA
  - State Grants Reporting Pilot Recap
  - New Federal Grants Reporting Requirements
- XBRL and Stimulus Reporting – Answering the Call of ARRA
  - ARRA Reporting Requirements
  - Why Use XBRL for Stimulus Reporting
  - Stimulus Reporting Solution Leveraging XBRL
- Q&A
Nevada XBRL Strategy
Nevada Grants Experience

- The State of Nevada plans to pilot the use of XBRL at its Department of Agriculture (NDOA) for grants reporting
- Using XBRL for improving Grants Reporting was driven by a number of issues faced by the NDOA:
  - Time required for report preparation
  - Errors due to manual re-entry of data
  - Redundant data entry
  - Lack of standardization
  - Need for stronger controls over incomplete or missing data elements and structure
The pilot solution was built using existing Microsoft Office and XBRL technologies

The pilot demonstrated the following results and benefits:

- XBRL provides a common and standard definition for grants and general ledger information
- Reduces processing time for grants reports and automates many previously manual-based steps
- Minimized impact to existing processes and technologies
- Provided for a re-usable model to address grants reporting at other agencies and departments
Debt Collection project
- Streamline and consolidate the use of spreadsheets
- Over 71 spreadsheets with 18 tabs per sheet
- Lack of standardization
- Errors due to manual re-entry of data
- Redundant cutting and pasting
- No centralized data base

Project benefits
- Decrease or eliminate data entry errors from cutting and pasting
- Eliminate the need for hundreds of spreadsheets
- Validates the data
- Saves time and money
Debt Management System – Nevada State Controller’s Office

Secured .Net Framework 3.5 server

MS Office Spreadsheet
Future XBRL Projects in Nevada

- Expansion of Debt Collection Project to Payroll Overpayments and Accounts Receivable
  - Streamline and consolidate the use of spreadsheets
  - Lack of standardization
  - Errors due to manual re-entry of data
  - Redundant cutting and pasting
  - Access of data from other systems without spreadsheets
  - Legislature committed funding to this project to use XBRL

- Expand the Grants Project
  - To other agencies within the State
  - To local governments
  - Single Audit Reporting
Future XBRL Projects in Nevada

- Nevada Business Portal
  - All businesses will register at one location
  - Facilitate registration with Secretary of State and Department of Taxation
- If XBRL is used for the Portal
  - Enables a business to register for all licenses with only one submission
  - Enables the exchange of data from agency to agency
  - Creates standardization
Looking Ahead on State Grants Reporting
– Federal Funding Accountability and Transparency Act (FFATA)
Grants Reporting Pilot Recap

- XBRL can be leveraged to improve Grants Reporting
  - Delivers accurate, standardized and timely reports to Federal, State and Private Grantor Agencies
  - Delivers real-time or near real-time data to administrators, project managers and grant owners
  - Streamlines and standardizes Grant and Agreement Application preparation
  - Provides administrative and fiscal oversight to the Grants Reporting process
We believe XBRL can be integrated into the grants reporting process to improve effectiveness and efficiency.

- Standardized XBRL taxonomies can facilitate standardization and consistent interpretation of data across systems and agencies.
- XForms can facilitate automating and improving source data capture and validation.
- Use of XBRL GL can provide transparency to transaction level data.
- Improved standardization and transparency will shorten time required for data analysis and reporting.

**How can XBRL help achieve these objectives?**

- **Timeliness / Accuracy of Data**
- **Improved Internal Control**
- **Seamless Data Interchange**
- **Reduced Costs**
- **Standardization and Efficiencies**
Pilot Components and Technology

**Grant Reporting Entity**
- Program Manager
  - Add/modifies grant in database using XForm
  - Performs system administration tasks
- Business Analyst
  - Reviews grant, expense revenue data
  - Produces reports

**Use of XBRL GL for Transactions**
- XBRL GL Adapter
  - Converts general ledger transactions from financial data warehouse into XBRL Global Ledger (GL) instance documents

**Standardized Reporting using Grants Taxonomies**
- XForms data is tagged at source

**Grants Repository**
- Contains all grant instance documents and taxonomy
- Contains all GL instance documents and taxonomies

** XBRL GL Adapter transforms GL Transactions from Financial Data Warehouse to XBRL GL instance documents**

**Financial Data Warehouse**
- Contains general ledger transactions related to grants
Grant detail and summary reports based on combined GL and Grant XBRL data.

GL Adapter transforms financial data warehouse GL transactions into XBRL GL format.

Microsoft InfoPath forms for adding and editing grant information.

Grant information saved in XBRL format.
XBRL and Stimulus Reporting –
Answering the Call of American Recovery and Reinvestment Act (ARRA)
ARRA Overview

- The American Recovery and Reinvestment Act of 2009 (ARRA) is intended to provide a stimulus to the U.S. economy in the wake of the economic downturn.

- The ARRA budget is projected to be nearly $800 billion in stimulus funds.

- The federal government has promised unprecedented transparency and accountability on every dollar spent on economic recovery.
# Why Use XBRL for Stimulus Reporting

<table>
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<tr>
<th>Standard Definition of Data</th>
<th>Tagging Data at the Source</th>
<th>Reporting from One Source</th>
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<tr>
<td>• A stimulus taxonomy provides a central definition for stimulus data, how it is defined, presented and validated</td>
<td>• Tagging can be performed at data entry where stimulus data is added or updated</td>
<td>• A central repository serves as the single collection point for all stimulus XBRL instance documents and taxonomies</td>
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<td>• Can be embedded in data forms</td>
<td>• No need to manually map data or re-define meaning later in the information flow</td>
<td>• Accessible by other agencies and levels of government</td>
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<td>• Performance and impact metrics or other indicators (such as Jobs Created) can be defined in the taxonomy</td>
<td>• Allows information to be shared and consumed in other information flows, such as other agencies and levels of government</td>
<td>• Can reuse existing database or data-warehouse technologies</td>
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**Improved Transparency**

**Reduced Reporting Burden**
Deloitte’s XBRL Approach for State Stimulus Reporting

Using XBRL tools/adaptors

State Central Repository

XBRL tagged data used for multiple purposes

Reporting

Data in disparate agency source systems

- DHR
- DOT
- Other Agencies
- XForms
  - Data Capture
  - Surveys
  - Automation

XBRL Repository

Data Integrated into a state XBRL repository

Consistent data used for multiple reporting purposes

- XBRL Global Ledger
- Taxonomy based on state structure
- Manage Tags
- Dimensions
- XBRL Taxonomies & Instance Documents
- Search and Retrieval for Reports

ARRA Reports

Using XBRL data to create federal reports to comply with ARRA section 1512 and 1609 (c)
XBRL Adapter

Disparate Data Sources
- Spreadsheet Data
- Data Entry Forms
- Relational Databases

Data Extracted and Transformed
- XBRL Adapters can read any ODBC compliant data source
- Adapters automatically tag source data with destination tags defined by a specified taxonomy.
- Resulting XBRL instance documents can be sent to data warehouses, content management systems or individual users interested in the data.
- XBRL instance documents are linked to their taxonomies for presentation and validation information.

Consistent Data Format

Strength of XBRL
- Leveraging existing processes and technologies
- Flexibility to accommodate both common elements and unique requirements
- Extensible so that agencies can create custom taxonomies
- Built-in capability to validate data, protocols and rules to check for errors or validate across elements and dimensions
Conclusion

- XBRL can be used to improve and streamline the Grants stimulus reporting process
- Use of XBRL taxonomies provides uniform definition of data and allows users to effectively automate the rendering of reports
  - Achieved standardization and transparency with limited changes to existing processes and systems
  - Reduced manual data manipulation and interpretation
- XBRL solution creates a re-usable model for addressing other state reporting needs given the similarities in information processing
Q&A
We invite you to our booth in the exhibition hall.

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