Finance Reporting

Oracle Business Intelligence Enterprise Edition (OBIEE) Training

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Topics to be Covered

- Data Warehouse Overview
- OBIEE Answers and Dashboards
- Business Intelligence (BI) and PeopleSoft (PS) Finance (FMS) Security
- Dashboards
  - Landing Page
  - Reports and Prompts
  - Available Balance Calculation
- Demo of the General Fund dashboard
Data Warehouse Overview

• A data warehouse is a relational database that is designed for query and analysis rather than transaction processing.
• A data warehouse usually contains historical data that is derived from transaction data.
• It separates analysis workload from transaction workload.
• Enables a business to consolidate data from several sources.
Data Warehouse

PS Finance - SLC

Nightly updates

SF State Finance Reporting Data Warehouse

End-Users
Access Requirements…

- SF State ID – University identification number (aka employee ID, UIN, etc)
- SF State Password – used to be known as PAC (Personal Access Code)
- Completed ESIP (Employee/Student Information Privacy) Training
- FMS Account with permissions for either Department or Project reports
Security

• LDAP Authentication –
  ◦ SF State ID and Password

• Data Authorization –
  ◦ Using FMS data security on Business Unit, Departmental Level and Project/s
  ◦ Grants Attribute Module – PI set up and PIA
  ◦ OBIEE Presentation Server Permissions - Control access to Web Catalogs, Folders, Dashboards, etc…
OBIEE Answers and Dashboards

• Oracle Answers
  – Report building interface provided by Oracle Business Intelligence Enterprise Edition (OBIEE)
  – Used for the construction of both Queries (the data) and Reports (the presentation)

• Dashboards
  – Visual display of the most important information, consolidated and arranged on a single screen
  – Repository for reports and other links
  – Contain data summarized at a high level with the ability to “drill down” to levels of detail
Dashboard – based on Fund Types

- General Fund – NG001
- Trust Funds – Trust Fund and Revenue Fund Codes (Other Fees, CEL, Housing, etc)
- Grants and Contracts – ORSP Projects
- Capital Outlay – BH###
Dashboard – Reports within a Dashboard

- Department / Project Overview –
- Financial Summary Report – equivalent to Revenue / Expenditure Summary Report (SFOGL104)
- GL Detail Activity -> GL Detail Report (SFOGL100)
- Open Commitment Report (SFOGL109)
Dashboard – Prompts/Criteria

1\textsuperscript{st} Level Criteria: Business Unit, Fiscal Year, Accounting Period, PS Chart Field such as Fund, Dept, etc..

2\textsuperscript{nd} Level: Additional filter is built for Account Type and PS Chart Field
Dashboard – Landing Page

- Department Security – General Fund

- Project Security – Grants & Contracts
Reports – Available Balance Calculation

• General Fund
  = Revised Budget – \text{sum}(\text{Year-to-date Actuals + Open POs + Open REQs})
    \begin{itemize}
      \item Positive Balance -> there’s money left
      \item Negative Balance -> deficit
    \end{itemize}

• Grants & Contracts
  = Revised Budget – \text{sum}(\text{Project-to-date Actuals + Open POs + Open REQs})
    \begin{itemize}
      \item Positive Balance -> there’s money left
      \item Negative Balance -> deficit
    \end{itemize}
Reports – Available Balance Calculation (cont’d)

- **Capital Outlay**
  
  \[ \text{Revised Budget} - \text{sum} (\text{Project-to-date Actuals} + \text{Open POs} + \text{Open REQs}) \]
  
  - Positive Balance -> there’s money left
  - Negative Balance -> deficit

- **Trust and Revenue Funds**
  
  \[ \text{Beginning Balance} + \text{Year-to-Date Actuals} (\text{Revenue} + \text{Expenses}) + \text{Open POs} + \text{Open REQs} \]
  
  - Negative Balance -> there’s money left
  - Positive Balance -> deficit
Graphics

- Department / Project Financial Status
  - Expenditures within/less than budgeted or revenue collections; there’s money left

- Department / Project Financial Status expenditures greater than budgeted or revenue collections; in deficit
Acronyms

- MTD – Month-to-Date. Current Month’s Activity for the accounting period specified in the criteria
- YTD – Year-to-Date activities in Accounting Period between 1 – 12
- PTD – Project-to-Date (Period 0 + YTD activities)
- FY – Fiscal Year
Vocabulary/Acronyms – For more information ..... visit the following Fiscal Affairs web page:
http://fiscaff.sfsu.edu/services/fms/training/tutorials/tutorials_big.jsp
Tips on Navigation

• When can you drill down?:
  – Any row or column cells in blue

• When can we sort the report?:
  – Go to the column header and click; when the symbol “^” appears, the selected column can be sorted in ascending or descending order
Tips on Navigation .... con’t

• How to download to Excel, PowerPoint, etc.
  – Locate at the bottom of the report the “Download” link and click
  - select the desired download option
Tips on Navigation …. con’t

• How to go back to previous screen
  – Locate a “return” link at the bottom of the report and click
  – If you don’t see the “return” link, then use the internet browser “back arrow” key
Tips on Navigation .... con’t

• How to run and generate a report with new criteria
  – Update the criteria fields
  – Click “go” at the appropriate criteria level
Demo - Test environment

https://bitest.sfsu.edu/analytics/saw.dll?Dashboard

- General Fund / Trust / Grants & Contracts
- Other Reports
  - Payroll by Employee
  - Travel by Employee
- Download to
  - Excel
  - Powerpoint
  - Excel 2000
  - Data
  - Web Page
Summary/Benefits

- Ease of Use
- Performance
- Report criteria defaults
- Drill-down to details
- Download to Excel, PowerPoint, data, and web page
- Security maintained at object and data level
What’s next:

• Review Phase II Requirements
  – Requisition, PO and Voucher Drilldown
  – Search by Journal ID, Voucher No, Req and PO number/s
  – Ad-hoc reporting using Answers
  – BI Publisher and Scheduler

Your feedback is very important!
Contact / Help Desk:

- LDAP ID x 5-4357 (5-Help)
- Access x 8-7143
  - Data
  - Report
  - Fund
- Feedback x 8-7143
Any questions?