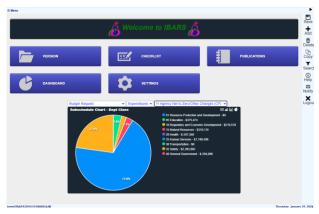
IBARS

The Fully Integrated Financial, Personnel, Revenue and Performance Budgeting and Tracking System

QUICK OVERVIEW

One of the primary responsibilities of government is the efficient allocation of tax dollars. Historically, budget requests were developed by simply adjusting current appropriations for the next accounting period. Budgeting is becoming a more sophisticated process requiring extensive supporting documentation to justify budget changes and to allow analysis of the budget by demographic and performance criteria.



IBARS, a leading public sector budget and tracking system, was developed to make budgeting easy and comprehensive. **IBARS** integrates all budget components in one powerful, easy to use system. Expenditures are allocated to cost centers, revenues and funding sources. Other budget components such as special funds, projects and grants may be tracked across agencies. Included are payroll projection modules to calculate costs including expenses resulting from new positions, pay increases and benefit rate changes. Also, performance measurements and narrative support are provided. IBARS may be used to produce print ready publications such as the Council, Executive, Commission and Legislative budgets, bills & related documents. **IBARS** supports the full budget cycle from agency request, through final approval and continuing with budget monitoring including "request to spend" control, and expenditure/revenue tracking. Budget versions are available for an unlimited number of 'what if' scenarios. Budget data can be cross reported with multiple tree level selections and groupings.

THE IBARS WORKFLOW CYCLE

IBARS has a fully configurable, multi-track work flow system. The typical **IBARS** process begins by accessing existing expenditure, payroll cost and position information. Next, agencies enter their budget request. Agencies have the ability to maintain several budget what-if 'versions'. This 'what if' capability allows agency management to develop different budget scenarios easily and quickly.

Schedules are available for collection, tracking and integration for any data that is collected as part of the budget process such as capital/IT projects, commodity requests, performance measures & drivers, transfers, revenues, etc. All **IBARS** schedules are dynamically built, fully configurable and adaptable to meet any requirement.

Once the agency request is completed and validated, **IBARS** data is available to the Budget Office for review and publication. A process that had been cumbersome and time consuming becomes simple with a seamless integration of text and data.

Information is passed to the legislature and the public. The legislative branch can utilize **IBARS** to create its own budget scenarios, committee reports and budget bills with extensive security to ensure data confidentiality. The approved budget is entered and appropriations are uploaded to the fund accounting system. With "Read Only" versions and the Internet, budgets are available to the public.

During each fiscal year, budget and revenue to actual tracking is available with optional request to spend and appropriation transfers processes. This leads into the starting point for the following budget cycle.

CONCLUSION

IBARS, with its integrated budget schedules, payroll cost projections, revenue sources, word processing, flexible reporting and spreadsheet capability provides an excellent tool for budgeting and tracking of the appropriated budget actuals.

How IBARS Improves Your Operations

IBARS makes the budget process much more effective and efficient by:

- Reducing the needed time to develop the budget;
- The collection of consistent, structured and validated data;
- Supporting 'across the board' changes to update expenditure, revenue and funding projections;
- Supporting performance based budgeting;
- Generating Council or Executive 'Budget Books', Legislative Budget Law; and
- Providing the capability to cross-report the budget, for example, by demographic factors, programs and grants.

Budget Office Benefits

Reduces the workload by:

- Ensuring all budgets are complete and balanced before submission
- Automatically balancing expenditure changes with revenue sources
- Creating flexible reports online
- Printing an integrated text and data 'Budget Recommendation Book'
- Analyzing the impact of across the board changes easily and quickly
- Flexible and adaptable to changing budgeting and data collection requirements.

Monitoring, Projections, Initialization

- Disaggregate and assign appropriated budget to budget units
- Continuous monitoring of actual expenditures to budget
- Continuous monitoring of revenue projections to actual revenues
- Continuous monitoring of payroll projections to actual payroll
- Adjust current year to address shortfalls and surpluses
- Carry forward of multi-year budgets
- Copy/reorg forward initiatives to future budgets, save rekeying
- Copy/reorg forward narrative to support next session budget and law publications.

Agency Benefits

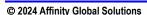
Reduces the workload by:

- Providing online edit checks
- Validating the budget request is balanced
- Populating payroll expenditure objects based on positions
- Eliminating redundant forms and rekeying of information
- Collecting supporting detail to substantiate request
- Providing ad hoc reporting tools
- Ability to make 'across the board' changes quickly
- Simple submit, resubmit to budget office.

Committee/Legislative Benefits

- Review Recommendation in summary or detail both financials and supporting narrative
- Apply budget adjustments
- Provides drill downs for detailed analysis
- Ability to perform 'what if' analysis
- Analyzing the budget by demographic factors
- Setting budget priorities
- Track resolutions
- Committee status reporting
- Bill generation.

IBARS may be utilized by fiscal managers, budget analysts, legislative staff, and economic analysts to develop and monitor budgets and perform 'what-if' calculations. Budgets may be entered at a detailed or summary level based on the agency. This allows each agency to use the system to meet their information needs. Once budgets are submitted, they may be aggregated, or disaggregated, for use by the executive budget office and the legislature. This allows users to obtain information at the appropriate level. **IBARS** is Internet ready and it is possible to provide controlled public access. **IBARS** dynamic schedules allow for the collection of unlimited customer specific data elements as required to report on unique budget components such as Revenue Projections, Capital & IT Projects, Leasing, Repairs, etc.



FEATURES FOR AGENCIES, BUDGET OFFICES AND LEGISLATIVE BRANCHES

Budget systems should be easy to learn and use. **IBARS** follows all standard Windows and Internet conventions making user training fast and effective. **IBARS** is also very powerful, functionally rich and integrates numeric and narrative information. Following are some key system features.

Budget Checklist

Different agencies have unique budgeting requirements. **IBARS** is the most comprehensive and flexible budget system available. A quick review of the Budget Checklist below, displays how the user is prompted to complete their work. This checklist is flexible based on the budget phase. The system validates that required items are completed before the budget may be considered 'complete'.



Easy Access and Version Flexibility

IBARS supports an unlimited number of 'what-if' versions. Different version 'types' may have different users, aggregation levels, security controls and column headings. Accessing budgets is simple and fast. Simply select an agency and a version as shown below. Selections are controlled by system security.

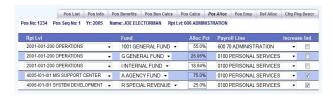


Payroll Cost Projections

Payroll costs are major budget components. The **IBARS** payroll projection capability is very comprehensive and supports the following functions:

- Allocation of expenses (personnel and support) by position to cost centers and funding sources
- Assignment of pay increases by various criteria
- Automated re-calculation of expenditures due to benefit rate changes
- Ability to budget for lump sum payouts, grouped positions and partial year positions.
- Full integration with the line item budget and change packages.



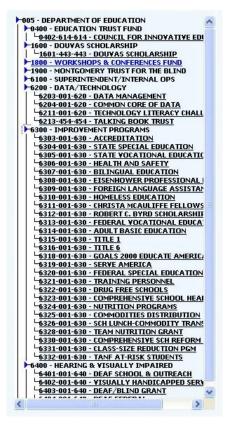


Entry of Budget Detail

Entry of budget detail is quick and easy. Split screens and flexible column displays are used to make this process easy and effective.



Direct access is available to budget change schedules, sub-schedules and narrative screens. Budget changes may be made at a detailed or summary level to support different needs for agencies, the executive budget office and the legislature. Budget adjustments may be configured a variety of ways through 'Change Packages', an 'Adjustments' subschedule or via a budget edit column. Budget information can be viewed at any summary level by tree navigation.



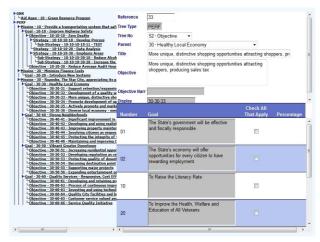
Flexible Column Definitions

Budget detail may be tailored to your needs by using the table driven column title and formula feature. Note that the columns may be uniquely defined by version type. This supports different budget preparation phases plus budget execution.



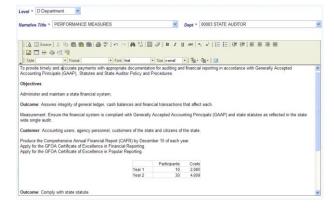
Narrative and Performance Budget Support

Two very important budget components are narrative information and performance measurements. The specific narrative sections desired is table driven and specific to each installation and the entry of mandatory sections is validated.



IBARS supports entry of narrative at various classification levels and budget phases. Information such as Agency Mission Statements, Program Narratives, Budget Justifications, Budget Adjustments, Revenue Projections, Legislative Actions and Performance Factors are integrated into reports. Performance data measurements including goals, objectives and strategies are maintained and several hierarchical structures are available.

The narrative input screen is used to enter budget narrative and footnotes. The user may utilize formatting tools, but fonts and font sizes are standardized to ensure all document sections have a consistent appearance. Images, charts and graphs can also be maintained in the IBARS narrative module. These components may then be included in the budget documents. Global search and replace is available to synchronize terminology for all publication sections.



Narrative and MS Windows Support Tools

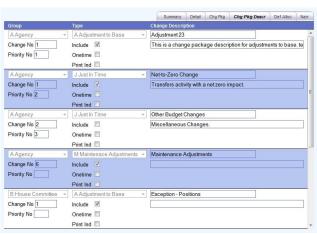
A 'Cut' and 'Paste' capability exists to easily move text data to and from Windows based tools. A 'Notes' capability also exists to support changes. 'Notes' may be used to maintain confidential information. This is an excellent tool for budget analysts to document and justify adjustments.



Integrated Sub-Schedules and Drill Downs

The budget process includes developing a base budget, an explanation of budget changes and supporting sub-schedule presentations (for example capital projects, capital equipment, commodity code budgeting and narrative). **IBARS** supports these components and more. The following screens provide samples of some of these special components. Note that budget changes may include narrative justification, 'one-time' indicators, 'include' indicators along with expenditure, funding and performance components.

Budget changes are defined by group and type. The description and justification for the budget changes are entered on this screen. Indicators for 'include', one-times' and special printing are also available.



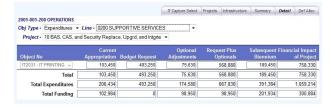
Templates are available for dozens of "subschedules", for example the Capital Project template includes project description and justification, along with project costs, appropriation authorization, and bond issuance are among the information maintained. Special capital project budget documents may also be produced.



Costs and funding sources for Capital Projects can be projected out for several years.



Project data can be entered and assigned to an object of the line item budget. The equipment is assigned to a budget change and to the appropriate organization and object.



All subschedule project setup is configurable, may be simple or complex, include formula calculations, dedicated narrative, be one tab or multiple tabs of background info and this may all be changed from year to year as reporting requirements change.

Easy to Request Reports

IBARS makes system reporting easy and flexible. Standard reports are accessible on-line using a menu driven system. The reporting module is very flexible and contains many useful capabilities. Within the reporting module, security authorizations strictly control data access.

Report ID	Report Group	Report Name
FBALD	STANDARD	Fund Balance Detail Report
SR01	STANDARD	Reporting Levels
SR03	STANDARD	Statewide Funding Summary
SR04	STANDARD	Change Package Summary
SR05	STANDARD	Budget Request Summary - Reporting Level
SR06	STANDARD	Budget Validation
SR07	STANDARD	Version Comparison
SR18	STANDARD	Agency Benefits
SR23	STANDARD	Transfer Tracking
SR12	STANDARD	Pay Plan Comparison
SR13	STANDARD	Personal Services Budget
SR14	STANDARD	Position Detail
SR15	STANDARD	Sample Graph
SR20	STANDARD	Event Log
SR21	STANDARD	User Password Configuration Report
SR22	STANDARD	Password Configuration Report
SUBSCH1	STANDARD	SubSchedule Info
NARR	STANDARD	Narrative Reports
TREE	STANDARD	Tree Report
SPLAN	STANDARD	Strategic Plan Report

Categorize the Budget By Demographic Criteria

It is now possible to answer questions such as, "How much are we spending enterprise wide on children under five years old?" The reporting criteria are table driven and can change as political needs dictate. The user determines the amount of detail desired in the reports and graphs. Also, further multi-agency reporting is supported for legislation and policy initiatives.

Security

Budget data has several confidential phases and components. Agencies have access to their data, and within agencies selected users may be restricted to their budget areas. Until the budget request is submitted, agencies control access to their data. After the request is submitted, the budget analyst obtains control of their budget version. The security module

assures data confidentiality by organization structure and allows access changes over time.



The Fun Stuff - Links to Spreadsheets, Word Processors and Ad hoc Report Tools



IBARS is a very powerful tool with enormous amounts of extremely valuable data. To support effective data usage, IBARS supports full integration with leading spreadsheet and word processing tools. Charts and graphs can be created using IBARS data. The process is simple and does not require special processing. The capability can be extended to using word processing tools to seamlessly integrate IBARS data with text. IBARS is used to prepare the required 'Budget Books' and legislative Session Law with narrative, data and even charts and graphs. For the more sophisticated user, ad hoc report tools are available.

Internet Access and Reporting

IBARS may be used to distribute budget information over the Internet. The system administrator controls the amount of Internet data and when the data is available. Appropriate data entry may be performed using Internet technology within stringent security controls.

Superior security, performance and features allow Affinity Global Solutions to host **IBARS** for entities that require a full service solution.

VISION

Affinity Global Solutions has dedicated staff focused on providing public sector budget solutions. **IBARS** is a vibrant product with significant ongoing R&D that insures our customer's investment is retained as business requirements and technologies change. The **IBARS** product roadmap is reviewed and adjusted regularly to insure that **IBARS** is several steps ahead of current practice and ready for future technologies.

Our daily interaction with customers gives us a unique knowledge of the pressure points associated with producing a budget and associated legislative budget law. As a result we provide product features that makes **IBARS** robust, fast, easy to use and efficient to maintain.

New features and components are provided to our **IBARS** community through standard maintenance. Annual presentations keep everyone up to date on what new features are available, what other entities are doing with **IBARS** and what future development is planned over the next year.



Our personal attention to customer needs and priorities is unrivaled.



Affinity Global Solutions takes pride in providing a budget solution that has few proprietary technology dependencies. For this reason the **IBARS** user interface (browser navigation and dash board), security, reporting and publications, narrative and processing logic are all written/programmed by Affinity Global Solutions.

The result is limitless flexibility to provide technology solutions, unfettered by the restrictions of 3rd party licensing and components.

IBARS is highly open standards compliant in order to support the broadest range of target application server and browser environments. Technologies used to support **IBARS** are:

- JAVA & JSP (Java Server Pages)
- HTML5 (Hypertext Markup Language)
- JavaScript
- AJAX (Asynchronous JavaScript and XML)
- Fetch API
- XML (Extensible Markup Language)
- CSS (Cascading Style Sheet)
- XSLT (Extensible Style Language Transformation)
- SVG (Scalable Vector Graphics)
- JDBC (Java Database Connectivity)
- PDF (Portable Document Format)

Use of open standards ensures that as application technologies change, **IBARS** has the broadest available options to adapt and quickly meet needs.

IBARS – AT A GLANCE

Benefits At A Glance

- Full budget cycle support
- Unlimited 'What-if' capabilities for any budget, committee, or legislative phase
- Unlimited budget 'change' packages to document position, expenditure, funding and performance deltas
- Manual or automated funding allocation
- Special funds, grants and projects are tracked across agencies
- Powerful, comprehensive and fully integrated
- Drag-n-drop browser based forms designer
- Integration of text and data
- Ability to analyze budget by policy driven factors (e.g. Demographics)

Results At A Glance

- Ease of entering budget requests
- Consistent budget formats and accounting codes
- Multiple ways to access, present and aggregate data
- Tax dollars allocated efficiently
- Automated generation of budget and legislative publications
- Provide performance measurement information cross-referenced to the line item budget

Technology

- Enterprise licensed
- Browser compatible with Edge, Internet
 Explorer, Firefox, Chrome, Safari, and Opera
- Enhanced usability and functionality achieved through AJAX
- Oracle, SQL Server and MySQL compatible, portable to other databases
- Platform independent, runs on any Java EE compliant application server
- Optional LDAP user access integration
- Optional standalone client for offline data collection and central server synchronization
- AGS hosted or client hosted

Features At A Glance

- Integrated schedules for support data
- Flexible reporting
- Payroll cost projections
- Benefit rate cost projections
- Revenue tracking
- Performance measures and drivers
- Cost allocation and transfers
- Formatted narrative, annotation and footnotes
- Word processing and spreadsheet integration
- Extensive data security based on user, time and phase
- Dynamic schedules (e.g. Capital Equip, Capital Projects, IT Projects, etc)
- Metrics capture and integration to the budget
- Dynamic version / workflow submissions
- Dynamic menu configuration
- User and version defined screen layouts
- Publication generation using the latest web standards (XML, HTML5, PDF, SVG, CSS3)

THE COMPANY BEHIND THE SYSTEM – AFFINITY GLOBAL SOLUTIONS

IBARS was developed by Affinity Global Solutions of Bismarck, North Dakota. It employs the latest web technologies while representing over *nearly 30 years* of development and refinement. Affinity Global Solutions (AGS) was founded by individuals who gained their expertise with KPMG Peat Marwick, Andersen Consulting and Electronic Data Systems. AGS has implemented enterprise-wide budget systems in the States of Indiana, Kansas, Maine, Montana, New Hampshire, North Dakota, Oregon, Wyoming and New Jersey.

SUMMARY - WHAT TO DO NOW

If you would like a new budget, revenue or legislative system and want more information about the leading software available, call us toll free at 1-877-528-3438. Our team is available to visit your organization, review your needs and demonstrate **IBARS**. We can then help you determine how to acquire your NEW system.



Affinity Global Solutions

"Implementing Tomorrow's Technology Today"

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