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SOLVER
for Government

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A Solver Vertical Industry White Paper

Updated: Jan/2020

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Introduction

The purpose of this white paper is to provide an overview of Solver. With frequent, automated cloud updates, the solution is continuously being enhanced to drive faster, better decisions across its global customer base. For the latest information or to discuss your specific needs, please contact your local Solver partner, visit Solver's web-site or email us at info@solverglobal.com.

Government Organizations face increasing challenges from citizens to provide more, better, and faster information on revenues, expenditures, and performance. Many organizations struggle with meeting these needs because they have data in multiple systems and rely on tools that are inadequate to provide the needed information. The result is a mish mash of various reporting, budgeting, data presentation tools and software in silos. This environment is frustrating for the users, management, elected officials, and citizens. Solver is the solution that will enable you to meet all of those needs and more.

Product Summary

Solver provides a single, cloud-based solution that automates reporting and planning processes, and supports faster and better decisions based on key information from across the organization's data sources.

Key benefits that Solver provides include:

- A top-rated Corporate Performance Management (CPM) solution by G2 based on user satisfaction
- Global partner channel with industry expertise to help you whenever and wherever
- Cloud software, support, and upgrades packaged into a subscription price providing unmatched ROI over traditional CPM solutions
- Built for business users to manage the entire solution without the need for developers
- Executive and management data from across the organization that is easily accessible in ONE place with Solver's intelligent data warehouse
- Solver's multi-tenant cloud application provides quick initiation, SOC 2 compliance, automatic software upgrades, and scalability at one's convenience
- Solver provides the power and the familiarity of cloud-connected Excel to solve the most complex formula and layout requirements for reporting and planning template designers
- Easy-to-use, pre-built integration to Power BI, the world's #1 visualization solution
- Fast and cost effective integrations provided with Solver's wizard-driven CSV, SQL, and prebuilt ERP/CRM Connectors
- Unlimited access to reports and dashboards from secure web portal
- Hybrid cloud option provides customers with real-time cloud reporting capabilities for their on-premise ERP system

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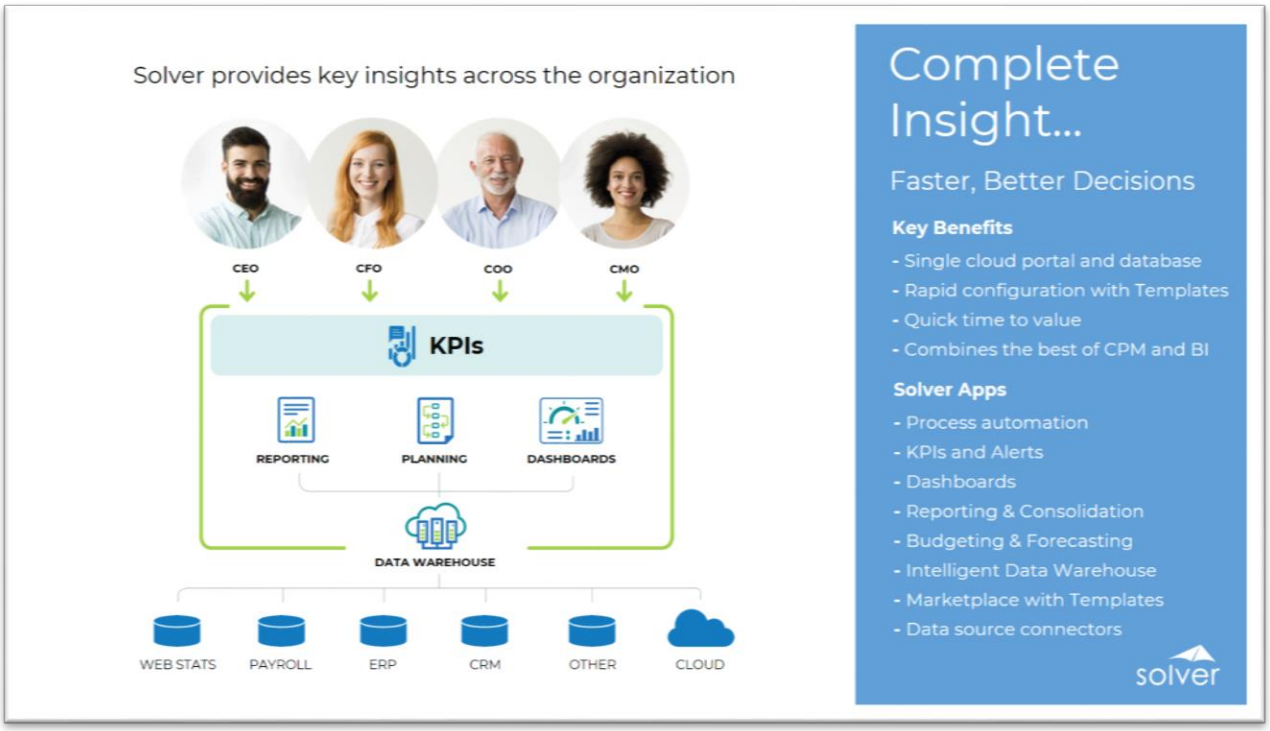

Company Summary

Solver, Inc. is redefining the category of cloud-based reporting and planning. The Solver solution is built to enable faster and better business decisions across the entire organization. Solver combines financial and other key data into a single tool, powered by the most flexible report and planning form designer on the market. Organizations use this solution to automate and streamline financial and operational reports, consolidations, and budgeting and forecasting processes. Solver empowers users with complete insight that drives intelligent decisions and competitive advantages. Headquartered in the United States, Solver, Inc. has more than a dozen offices and hundreds of partners globally that provide local and industry expertise. To learn more, visit www.solverglobal.com.

Note about the Examples in this Document

The examples in this document are based on a generic government demonstration model. These represent examples of what many government organizations use in their own budgeting and reporting processes. The templates below can be tailored for your organization as well. You can take the templates as a starting point and modify them for your needs or create your own templates using the Solver Report Designer.

Please contact Solver at info@solverglobal.com for any comments or questions.

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Budgeting

Preparing the Annual Budget

Preparing the Annual Budget is easy in Solver whether your organization budgets centrally or de-centralized. There is full budget entry, review, edit capability along with multiple budget scenarios. The budget can be locked from entry while going through review. Line item detail can be included along with comments at any level.

Revenue Input

The revenue form is used by departments that need to budget for sources of revenues.

- The form is executed by budget year, budget version, department and fund.
- Everything is calculated other than the yellow cells.
- Not visible in the screenshot below is a comment column on the far right of the form for departmental text comments, which can also be viewed in a report.
- Note that the form is locked down, and only the yellow cells allow input.

Solver County
Revenue Budget Input

Sheriff	29000
Final Budget	B
Fund	100

Object	Description	2018 Actuals	2019 Actuals	2020 Adopted	2021 Target % Change	2021 Dept. Baseline	2021 Dept. Adjust (%)	2021 Dept. Adjust ($)	2021 Dept. Request	% Change	Departmental Notes
400	Taxes					0			0		
401	Property Taxes					0			0		
402	City Income Taxes, Refunds, and Interest					0			0		
403	Licenses and Registrations					0			0		
404	Permits					0			0		
500	Intergovernmental Revenue					0			0		
508	Sales & Use Taxes	5,238	5,447	5,616		5,616			5,616	0.00%	
509	Local Government Revenues	200	208	214		214			214	0.00%	
600	Service Charges					0			0		
601	Miscellaneous Service Fees	12,701	13,208	13,614		13,614			13,614	0.00%	
602	Services	2,938	3,055	3,151		3,151			3,151	0.00%	
603	Housing, Zoning, and Nuisances					0			0		
604	Sales - Other	6,538	6,799	7,010		7,010			7,010	0.00%	
605	Admissions and Other Fees	250	260	268		268			268	0.00%	
606	Parking Fees	1,613	1,677	1,727		1,727			1,727	0.00%	

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Personnel Budgeting

The assumption form values are later used in the personnel budget form(s). You can set assumptions or drivers for making global changes to the budget without having to make the changes individually. For example, if you want to make a change that impacts each department by 10% you can make it here and it will flow to each department's budget entry form without the need to go into each department individually to make the change.

- The form is executed for budget year and budget version
- Note that the form is locked down and only the yellow cells allow input

Solver County

Budget Assumptions - Personnel

City Assumptions CITY

Final Budget B

Salary Grade	Description	Rate
01	Salary Grade 01	10.74
02	Salary Grade 02	11.19
03	Salary Grade 03	11.66
04	Salary Grade 04	12.24
05	Salary Grade 05	13.13
06	Salary Grade 06	14.09
07	Salary Grade 07	15.11
08	Salary Grade 08	16.22
09	Salary Grade 09	17.40
10	Salary Grade 10	18.67
11	Salary Grade 11	20.03
12	Salary Grade 12	21.49
13	Salary Grade 13	23.05
14	Salary Grade 14	24.73
15	Salary Grade 15	26.54
16	Salary Grade 16	28.47
17	Salary Grade 17	30.55
18	Salary Grade 18	32.78

Assumptions

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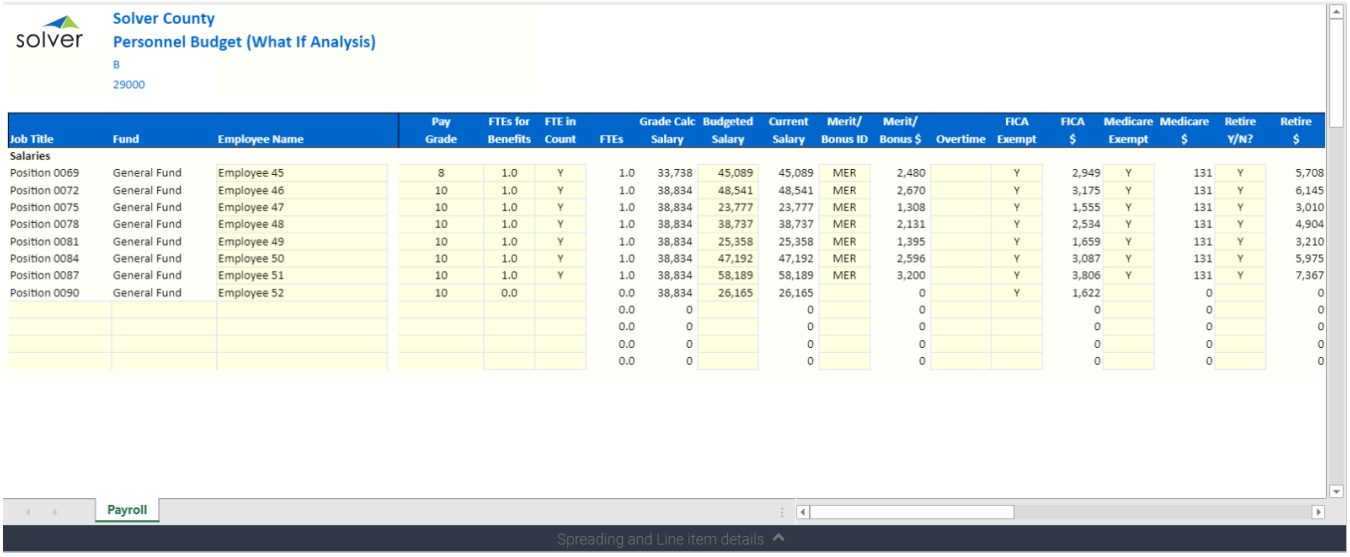
The payroll example below allows the end user to calculate the annual budget for salary and benefits for all employees. Note that the employee information (employee names, starting salary, etc.) should be loaded into the Solver data warehouse prior to the start of the budget process. To make developing your Personnel Budget easier, the following are available in Solver so your users do not have to undertake a massive data entry effort each budget season. These budget assumption/driver forms allow users to make changes across departments/divisions/organization-wide, and they feed the main budget entry forms, which avoids double data-entry. These can be set as dollar amounts, percentages, or both.

- Wage Schedule (Class/Step/Grade, Exempt/Non-Exempt)
- Wage Rate Drivers (OT, Hazard Pay, Out of Class, Shift Differential, Exempt/Non-Exempt)
- Benefits and Taxes Drivers (Health, Dental, Vision, 401K, FICA, etc.)

The form also has the following benefits:

- In this example, Salaries are evenly spread across the twelve months but could be set based on whatever parameters you want.
- The form is too large to show in a print screen. There are numerous tax and benefit columns to the right of the visible screen below.
- Note that the form is locked down, and only the yellow cells allow input.



Solver County
Personnel Budget (What If Analysis)
B
29000

Job Title	Fund	Employee Name	Pay Grade	FTEs for Benefits	FTE in Count	FTEs	Grade Calc Salary	Budgeted Salary	Current Salary	Merit/ Bonus ID	Merit/ Bonus $	Overtime	FICA Exempt	FICA $	Medicare Exempt	Medicare $	Retire Y/N?	Retire $
Salaries																		
Position 0069	General Fund	Employee 45	8	1.0	Y	1.0	33,738	45,089	45,089	MER	2,480		Y	2,949	Y	131	Y	5,708
Position 0072	General Fund	Employee 46	10	1.0	Y	1.0	38,834	48,541	48,541	MER	2,670		Y	3,175	Y	131	Y	6,145
Position 0075	General Fund	Employee 47	10	1.0	Y	1.0	38,834	23,777	23,777	MER	1,308		Y	1,555	Y	131	Y	3,010
Position 0078	General Fund	Employee 48	10	1.0	Y	1.0	38,834	38,737	38,737	MER	2,131		Y	2,534	Y	131	Y	4,904
Position 0081	General Fund	Employee 49	10	1.0	Y	1.0	38,834	25,358	25,358	MER	1,395		Y	1,659	Y	131	Y	3,210
Position 0084	General Fund	Employee 50	10	1.0	Y	1.0	38,834	47,192	47,192	MER	2,596		Y	3,087	Y	131	Y	5,975
Position 0087	General Fund	Employee 51	10	1.0	Y	1.0	38,834	58,189	58,189	MER	3,200		Y	3,806	Y	131	Y	7,367
Position 0090	General Fund	Employee 52	10	0.0		0.0	38,834	26,165	26,165		0		Y	1,622		0		0
						0.0	0		0		0			0		0		0
						0.0	0		0		0			0		0		0
						0.0	0		0		0			0		0		0
						0.0	0		0		0			0		0		0

Expenditure Input

The expense form example displays the prior two years of actual, historical figures as well as last year's adopted budget. But could be expanded for additional prior years, or projected years. The form also has the following benefits:

- Automatic calculation of a Baseline budget based on Target Changes (see earlier form in the document for this).
- Easy departmental input of $ or % increase or decrease of Baseline budget.
- Text comment input.
- Line Item detail input is allowed.

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Solver County

Departmental Budget Input

Monday, March 18, 2019

Sheriff	29000
Final Budget	B
General Fund	100

Object	Description	2017 Actuals	2018 Actuals	2019 Adopted	2020 Target % Change	2020 Dept. Baseline	2020 Dept. Adjust (%)	2020 Dept. Adjust ($)	2020 Dept. Request	% Change	Departmental Notes
700	Salaries and Benefits								0	N/A	
702	Retiree Health Costs		30,788	31,774		33,006			33,006	3.88%	
703	Employee Salaries		265,425	273,919		284,536			284,536	3.88%	
704	Social Security (FICA)		17,288	17,842		18,534			18,534	3.88%	
705	Bonuses/Merit Increases		13,375	13,803		14,338			14,338	3.88%	
706	Medicare		888	917		953			953	3.93%	
709	Health Benefits		17,800	18,370		19,082			19,082	3.88%	
710	Life Insurance		3,850	3,973		4,127			4,127	3.88%	
711	Overtime								0	N/A	
713	Dental Benefits		1,525	1,574		1,635			1,635	3.88%	
751	Supplies		2,325	2,399		2,399		20,000	22,399	833.68%	This increase is needed
752	Postage		213	218		218			218	0.00%	
753	Clothing/Cleaning Allowance					0		10,000	10,000	N/A	We feel like we need this
754	Inventory		1,013	1,046		1,046			1,046	0.00%	
800	Other Charges and Services					0			0	N/A	

Other Expenses

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Budget Review and Adjustment Form

This is an example of a form where the Budget Office, administrators/budget reviewers can review a department budget and make adjustments to Revenue or Expenditures line items and comments for later inclusion with the departmental budget. Form features:

- Displays the departmental request for the revenue budget.
- Separate columns (see yellow columns below) for input of adjustments and text comments for an unlimited number of reviewers.

Solver County
Departmental Exp Budget Review

Sheriff	29000
Final Budget	B
General Fund	100

Account	Description	2017 Actuals	2018 Actuals	2019 Adopted	2020 Budget Baseline	2020 Dept. Adjust	2020 Dept. Request	OMB Adjust. (%)	OMB Adjust ($)	OMB Request	Exec. Adjust. (%)	Exec. Adjust ($)	Exec. Request
702	Retiree Health Costs		30,788	31,774		33,006	33,006			33,006			33,00
703	Employee Salaries		265,425	273,919		284,536	284,536			284,536			284,53
704	Social Security (FICA)		17,288	17,842		18,534	18,534			18,534			18,53
705	Bonuses/Merit Increases		13,375	13,803		14,338	14,338			14,338			14,33
706	Medicare		888	917		953	953			953			95
709	Health Benefits		17,800	18,370		19,082	19,082			19,082			19,08
710	Life Insurance		3,850	3,973		4,127	4,127			4,127			4,12
711	Overtime					0	0			-			-
713	Dental Benefits		1,525	1,574		1,635	1,635			1,635			1,63
750	Supplies					0				-			-
751	Supplies		2,325	2,399		22,399	22,399			22,399			22,39
752	Postage		213	218		218	218			218			21
753	Clothing/Cleaning Allowance					10,000	10,000			10,000			10,00
754	Inventory		1,013	1,046		1,046	1,046			1,046			1,04
800	Other Charges and Services					0	0			-			-
802	Services		8,788	9,070		9,070	9,070			9,070			9,07

DeptRev

Spreading and Line item details

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Capital Improvement or Program Budgeting

Solver supports full Capital budgeting functionality. This includes budgeting, tracking, and reporting for capital assets (including depreciation) in addition to budgeting for capital projects. You can have multiple revenue sources and multiple projects tied to a capital project. You can track/update the budget to actual easily throughout the life of the project, not just during budget season. Department worksheets can be provided, in addition to budget book reports. Examples are included in the demonstration model.

Grants Budgeting

Solver has full Grants budgeting and tracking functionality. In addition you can easily build out whichever reports you need to use for your Grant reporting. Just some of the functionality is: Multi-year grants, split funding, allocations, spend tracking (including labor), grant award/expire tracking, projects tied to grants, etc. Examples are included in the demonstration model.

Budget Allocations

You can have multiple different types of allocations in Solver. You can do split funded positions and allocate central or shared services back to departments. There is no limit to the ways you can setup and track allocations in Solver. Examples are included in the demonstration demo model.

Workflow

Budget workflow can be set for those organizations not using centralized budgeting. For example the budget entry forms can be opened for Departmental entry, then locked for OMB review, then re-opened for changes, until they are in a Final stage. There is a budget status view where administrators can review which departments/users have started the budget process, who is working on it and who has finished and is ready for review.

Budget Book

Putting together the annual Budget Book can be a time consuming effort for most organizations. Solver makes it simple with ready to go reports that can easily be exported into your budget book template containing your narratives. Some of the common budget book reports available in Solver, that can be based on parameters such as period, fund, org level, are:

- Fund Revenue by Source and Year
- Proposed Budget by Fund
- Fund Budget to Actual with Percent Change
- Funds Summary (including Fund Category and Sub-funds)

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- Operating Statement
- Headcount by Fund/Program/Initiative
- Budget by Program/Initiative
- CIP – Source and Use
- Grants – Source and Use
- Program/Initiative Source and Use

Report Examples

Below are just a few of the numerous examples of reports that are availalbe. These are run based on parameters selected by the user (based on user security). This allows the user to run their reports on-demand for various months, years, funds, departments, etc. Any number of parameters can be used which allows the same report to be used across the organization rather than having to build a separate report for each Department (as an example). Note that an entire report may not fit in a single print screen in this document, so there are rows and columns you do not see. Since the Report Designer in Solver is Excel-based, conditional formatting and charts/graph functionality native to Excel are used in the below examples.

Expenditure by Fund – Recommended Budget

The report example below shows accounts grouped by Fund in the rows and actual figures as well as approved and adopted budgets across the columns.

Government Demo
Expenditure by Fund - Recommended Budget
Final Budget

Fund/Object	Fund/Object Description	2008 Actual	2009 Approved	2009 Revised	2010 Requested	2010 Recommend	2010 Adopted	$ Variance Recomm-Approp	% Variance Recomm - Approp
100	*General Fund*								
702	Retiree Health Costs	431,154	444,949	444,949	462,196	462,196	462,196	17,247	3.7%
703	Employee Salaries	4,376,507	4,516,551	4,516,551	4,691,612	4,691,612	4,691,612	175,061	3.7%
704	Social Security (FICA)	275,080	283,879	283,879	294,882	294,882	294,882	11,003	3.7%
705	Bonuses/Merit Increases	200,668	207,087	207,087	215,114	215,114	215,114	8,027	3.7%
706	Medicare	11,444	11,795	11,795	12,249	12,249	12,249	454	3.7%
709	Health Benefits	225,506	232,721	232,721	241,742	241,742	241,742	9,021	3.7%
710	Life Insurance	53,928	55,655	55,655	57,814	57,814	57,814	2,159	3.7%
713	Dental Benefits	18,544	19,145	19,145	19,893	19,893	19,893	748	3.8%
751	Supplies	161,765	166,939	166,939	173,410	173,410	173,410	6,471	3.7%
752	Postage	14,540	15,002	15,002	15,583	15,583	15,583	581	3.7%
753	Clothing/Cleaning Allowance	2,313	2,388	2,388	2,481	2,481	2,481	93	3.7%
754	Inventory	71,041	73,320	73,320	76,165	76,165	76,165	2,845	3.7%
801	Bad Debt Write-Offs	1,175	1,213	1,213	1,260	1,260	1,260	47	3.7%
802	Services	613,942	633,584	633,584	658,141	658,141	658,141	24,557	3.7%
803	Repairs and Maintenance	72,530	74,856	74,856	77,760	77,760	77,760	2,904	3.7%
804	Professional Services	23,441	24,188	24,188	25,126	25,126	25,126	938	3.7%
805	Other Travel and Training	32,890	33,941	33,941	35,257	35,257	35,257	1,316	3.7%
806	Advertising	138	143	143	149	149	149	6	4.0%
807	Printing & Publishing	50,953	52,585	52,585	54,625	54,625	54,625	2,040	3.7%
808	Utilities	648,980	669,750	669,750	695,712	695,712	695,712	25,962	3.7%
809	Telephone	147,891	152,621	152,621	158,537	158,537	158,537	5,916	3.7%
901	Rentals and Leases	270,929	279,604	279,604	290,444	290,444	290,444	10,840	3.7%
902	Depreciation	428,944	442,667	442,667	459,826	459,826	459,826	17,159	3.7%
903	Property Taxes	3,953,468	4,079,973	4,079,973	4,238,111	4,238,111	4,238,111	158,138	3.7%
	Total General Fund	*12,087,771*	*12,474,556*	*12,474,556*	*12,958,089*	*12,958,089*	*12,958,089*	*483,533*	*3.7%*
110	*Housing*								
751	Supplies	1,650	1,703	1,703	1,769	1,769	1,769	66	3.7%
752	Postage	138	143	143	149	149	149	6	4.0%
754	Inventory	663	685	685	712	712	712	27	3.8%

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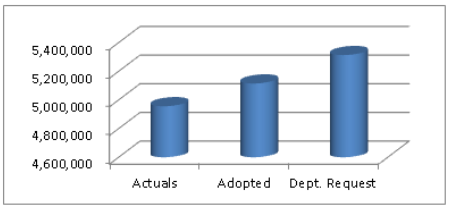
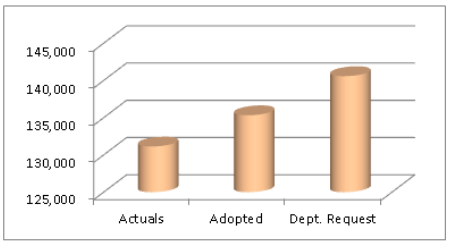
Fund Summary by Cost Center and Account (Object)

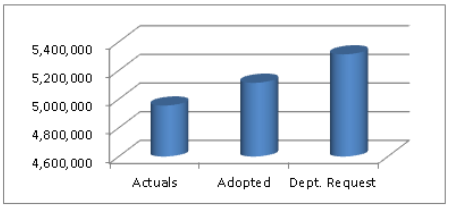
The report shows accounts (object code) grouped by cost center in the rows, and actual figures last year, this year's adopted budget, and next year's requested budget in the columns.

Government Demo
Fund Summary by Cost Center. & Object
Final Budget
Fund: General Fund

Cost Center/ Object	Description	2008 Actuals	2009 Adopted	2010 Dept. Request
10000	**Property Taxes**			
Revenue				
401	Property Taxes	3,535,925	3,649,075	3,790,512
402	City Income Taxes, Refunds, and Interest	1,314,313	1,356,372	1,408,945
403	Licenses and Registrations	4,275	4,412	4,583
404	Permits	101,713	104,966	109,034
Total Revenue		*4,956,226*	*5,114,825*	*5,313,074*
Expenditures				
703	Employee Salaries	113,375	117,003	121,538
704	Social Security (FICA)	7,275	7,508	7,799
705	Bonuses/Merit Increases	3,963	4,088	4,246
706	Medicare	338	347	360
709	Health Benefits	5,938	6,129	6,367
713	Dental Benefits	250	258	268
Total Expenditures		*131,139*	*135,333*	*140,578*
Net Total Property Taxes		**4,825,087**	**4,979,492**	**5,172,496**
11000	**Local Taxes**			
Revenue				
401	Property Taxes	1,263,525	1,303,958	1,354,499
402	City Income Taxes, Refunds, and Interest	469,650	484,679	503,465
403	Licenses and Registrations	1,450	1,496	1,554
404	Permits	34,913	36,031	37,428
Total Revenue		*1,769,538*	*1,826,164*	*1,896,946*
Expenditures				







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Consolidated Fund Summary

This report example shows Funds across the columns with a total consolidated amount on the right (not visible in the screenshot) and Accounts down the rows, grouped by Revenues and Expenses, with a Net Surplus (or deficit) at the bottom (not visible in the screenshot).

Government Demo Model
Consolidated Fund Summary
Budget Year 2010 For Scenario B

Object	Description	General Fund	Housing	Criminal Justice	Tourism	Vehicle Replacement	Visitor Cent
Revenue							
401	Property Taxes	32,592,020	469,750	1,340,940	202,820	12,940	
402	City Income Taxes, Refunds, and Interest	12,039,175	170,465	474,690	73,565	4,710	
403	Licenses and Registrations	37,595		880	128,965	28,885	
404	Permits	927,950	12,865	35,645	54,360	41,885	
501	Dept Of Housing & Urban Development	491,010	4,615	17,290	2,085	745	
502	Dept Of Justice	59,230		1,610			
503	Dept Of Transportation	16,365					
504	Environmental Protection Agency	23,260		670			
505	Dept Of Interior	1,475					
506	Dept Of Homeland Security	6,240					
507	Dept Of Commerce	19,770					
508	Sales & Use Taxes	1,933,215	24,330	75,445	9,305	3,025	
509	Local Government Revenues	73,090	670	1,935			
601	Miscellaneous Service Fees	4,466,860	58,785	174,485	25,415	7,790	
602	Services	1,100,385	12,690	42,615	4,690	1,800	
603	Housing, Zoning, and Nuisances	30,035		880			
604	Sales - Other	2,403,960	30,245	91,865	13,075	3,750	
605	Admissions and Other Fees	92,675	880	2,410			
606	Parking Fees	596,355	5,570	21,975	2,545	1,015	
607	Other Fines and Penalties	1,018,820	11,465	37,940	4,480	1,685	
608	Interest	1,020,355	10,930	37,445	4,365	1,610	
609	Rentals - Other	481,460	4,365	16,350	2,085	745	
610	Special Assessments	51,565		1,340			
611	Property Sales	124,105	1,130	3,425			
612	Contributions	188,275	1,740	5,035	805		
613	Reimbursements	125,495	1,130	3,485			
614	Miscellaneous Other	2,921,645	37,940	110,555	16,305	4,555	
Total Revenue		*62,842,385*	*859,565*	*2,498,910*	*544,865*	*115,140*	
Expenditures							
702	Retiree Health Costs	2,310,980					

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Payroll Report

Departments are repeated down the rows with their employees listed below each department. This would include all benefits, wage rates/scales, splits, etc.

Payroll Budget
Position Control/Headcount by Organization
Final Budget for year 2011

Job Title	Fund	Employee Name	FTEs	Current Salary	Merit/ Bonus $	Overtime	FICA $	Medicare $	Retire $	Life $	Health $	Dental $	Total Comp.
Board Of Supervisors													
Position 0014	General Fund	Employee 14	1.0	18,539	1,020		1,213	131	2,347	293	3,500	300	27,342
Position 0015	General Fund	Employee 15	1.0	29,382	1,616		1,922	131	3,720	465	3,500	300	41,035
Position 0016	General Fund	Employee 16	1.0	38,545	2,120		2,521	131	4,880	610	3,500	300	52,606
Total Board Of Supervisors			**3.0**	**86,466**	**4,756**	**0**	**5,656**	**392**	**10,947**	**1,368**	**10,500**	**900**	**120,984**
Charges For Services													
Position 0012	General Fund	Employee 12	1.0	18,625	1,024		1,218	131	2,358	295	3,500	300	27,451
Position 0013	General Fund	Employee 13	1.0	85,589	4,707		5,598	131	10,836	1,354	3,500	300	112,015
Total Charges For Services			**2.0**	**104,214**	**5,732**	**0**	**6,817**	**261**	**13,193**	**1,649**	**7,000**	**600**	**139,466**
Community Relations													
Position 0020	General Fund	Employee 20	0.0	70,354	0		4,362	131	0	0	0	0	74,846
Position 0021	General Fund	Employee 21	1.0	40,485	2,227		2,648	131	5,125	641	3,500	300	55,056
Position 0022	General Fund	Employee 22	1.0	48,770	2,682		3,190	131	6,174	772	3,500	300	65,519
Total Community Relations			**2.0**	**159,609**	**4,909**	**0**	**10,200**	**392**	**11,300**	**1,412**	**7,000**	**600**	**195,422**
County Attorney													
Position 0028	General Fund	Employee 28	1.0	30,609	1,683		2,002	131	3,875	484	3,500	300	42,585
Position 0029	General Fund	Employee 29	1.0	32,771	1,802		2,144	131	4,149	519	0	0	41,515
Position 0030	General Fund	Employee 30	1.0	33,946	1,867		2,220	131	4,298	537	3,500	300	46,799
Position 0031	General Fund	Employee 31	1.0	59,615	3,279		3,899	131	7,547	943	3,500	300	79,214
Total County Attorney			**4.0**	**156,941**	**8,632**	**0**	**10,266**	**522**	**19,869**	**2,484**	**10,500**	**900**	**210,113**
County Executive													
Position 0017	General Fund	Employee 17	0.5	15,618	859		1,022	131	0	0	3,500	300	21,429
Position 0018	General Fund	Employee 18	1.0	46,121	2,537		3,017	131	5,839	730	3,500	300	62,174
Position 0019	General Fund	Employee 19	0.0	80,608	0		4,998	131	0	0	0	0	85,736
Total County Executive			**1.5**	**142,347**	**3,396**	**0**	**9,036**	**392**	**5,839**	**730**	**7,000**	**600**	**169,339**
Courts													
Position 0051	General Fund	Employee 40	1.0	71,244	3,918		4,660	131	9,019	1,127	0	0	90,100
Position 0054	General Fund	Employee 41	1.0	66,513	3,658		4,351	131	8,421	1,053	3,500	300	87,925
Position 0057	General Fund	Employee 42	1.0	22,372	1,230		1,463	131	2,832	354	3,500	300	32,183
Position 0060	General Fund	Employee 43	1.0	22,978	1,264		1,503	131	2,909	364	3,500	300	32,948
Position 0063	General Fund		0.0	0	0		0	0	0	0	0	0	0
Position 0066	General Fund	Employee 44	0.0	43,148	0		0	0	0	0	0	0	43,148
Total Courts			**4.0**	**226,255**	**10,071**	**0**	**11,977**	**522**	**23,181**	**2,898**	**10,500**	**900**	**286,304**

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Budget Monitoring

Throughout the year organizations depend on having an up to date view of their expenditures against the budget. With Solver this is easy to do. Here are some examples:

- Encumbrance Reporting
- Grant Tracking Report (including the SEFA)
- Budget Amendment Form
- Decision Packs, Initiatives
- Position Control

Annual Reporting – CAFR

Solver helps you find the elusive "easy button" for producing your CAFR by having ready made CAFR reports that are updated with the click of a button. These reports can be exported to Microsoft Word, Adobe, or any other desktop publishing tool to make producing the CAFR as easy as possible.

Some common reports that are available in Solver:

- Fund Balance Sheet
- Revenue, Expenditures, Changes in Fund Balance
- Net Position
- Revenue, Expenditures, Changes in Net Position
- Statement of Activities
- Cash Flow
- Combining Statements

Additional Reporting and Functionaliy

Solver makes it easy for your organization to do any reporting and analysis whether financial, compliance, or operations based. Just some examples are:

- OMB A-133
- Cost Accounting, including Activity Based Costing
- GASB 34

Benchmarking

With Solver you can easily benchmark your organization against other, similar organizations. With pre-built metrics you can get started immediately or choose to add your own metrics.

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Data Visualization

Data visualization is an increasingly important part of Corporate Performance Management. With Solver you have many options for creating charts, graphs, dashboards, and other ways of visualizing your data. Some of the functionality is native in Excel which forms the basis of the Solver Report Designer. Applications like Power BI, Tableau, etc. are commonly used with Solver as the Solver Data Warehuse serves as another data source to those applications. Many customers choose to use Power BI with Solver to provide data visualization for a multi-tude of data sources, financial and operational. Solver offers a pre-built Power BI connector approved by Microsoft and found in Microsoft's marketplace. Rather than having to setup connections to each of the organization's data sources, Solver is used as the central data source making it much easier for your team members to build their favorite dashboards and share across the organization.

Solver Data Warehouse

The Solver Data Warehouse (sits on Microsoft SQL Azure) acts as the central data store for all budgets, actual historical data, as well as any other information from any other data source that you want to use Solver's reporting or third party BI dashboard tools for. The data warehouse is pre-configured offers up to one hundred modules. It is very quick to set up and highly user-friendly to administer. You can see a few screenshots from the data warehouse administrative interface below. These screens are used to manage dimensions and attributes, copy budgets, create hierarchies and many other useful data warehouse functions.

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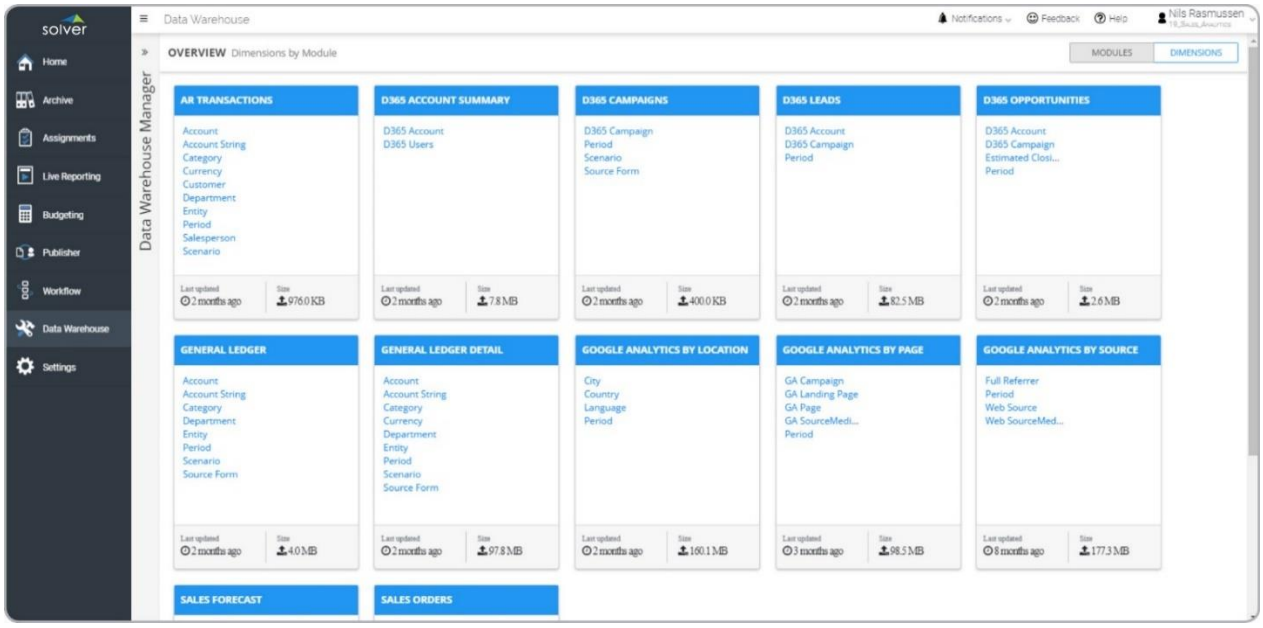

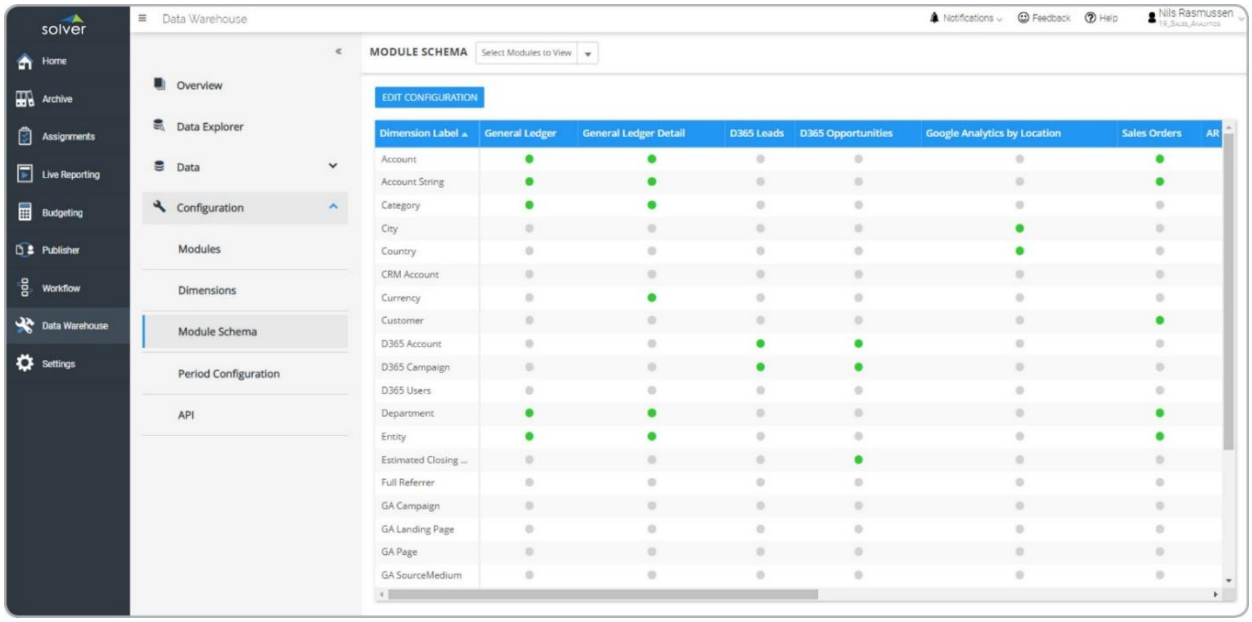

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