

# GL Wand: What is it and how is it leveraged?

April 13, 2018

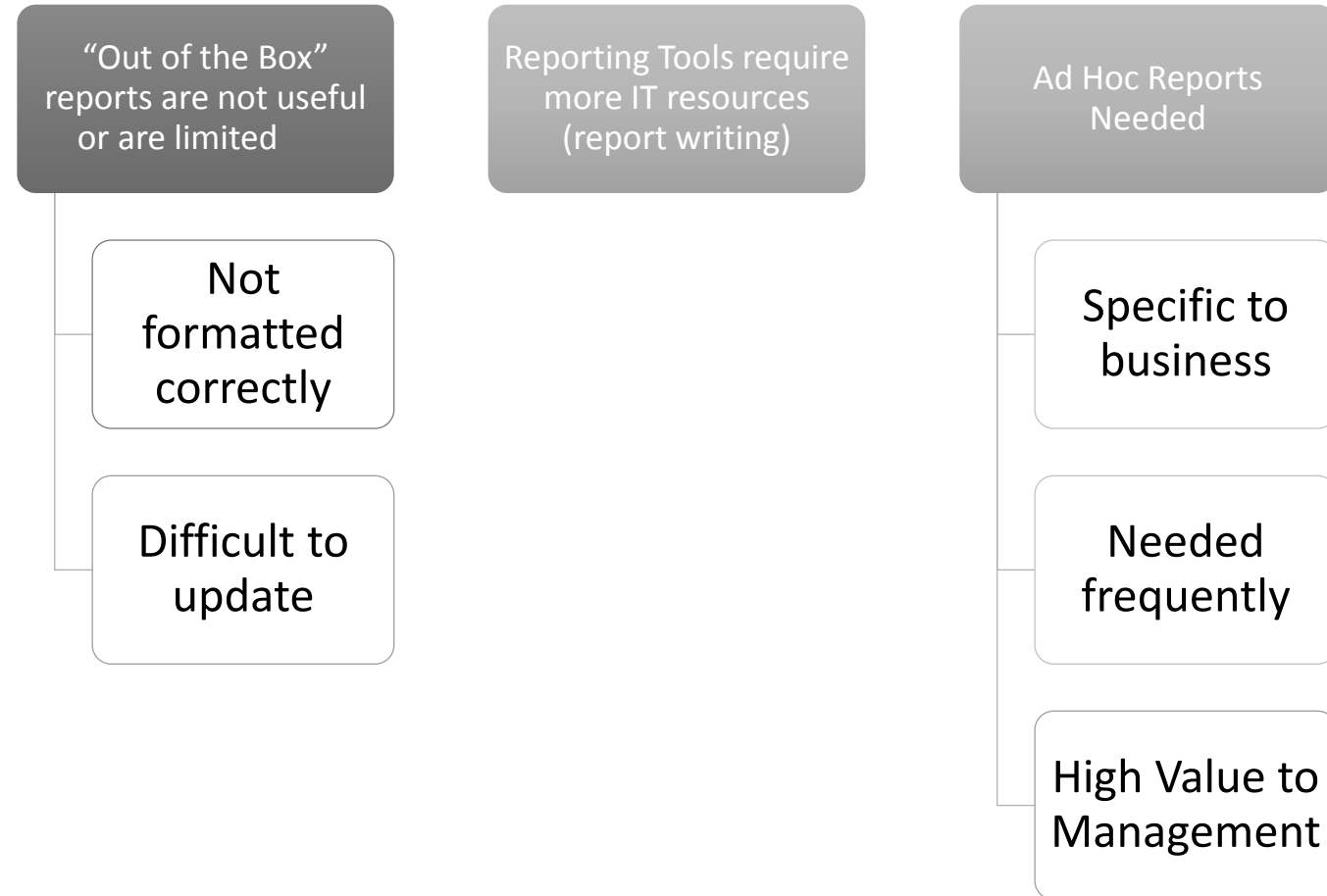
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# Reporting Solutions for Financial Data



## Reports Needed

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Financial Statements

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Single Audit

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Budget-to-Actual Variances

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Management Reports

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Popular Annual Report

## Driving Factors for Montgomery County

- BI refreshes daily
  - Need for real-time data for analysis and management reporting
  - Exports are not “report” ready and often needs reformatting
- FSG Reports:
  - Difficult to update “on the fly”
  - BI Publisher needed to be “print ready”
  - XML to FS Mapping knowledge needed
- Less dependency on IT
- Training
  - Leveraging already strong Excel skillset of Accountants
  - Decreases training time

Products

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Oracle Product

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EIS

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GL Wand

# What is GL Wand?

- Excel based solution for Oracle ebusiness Suite Users
  - Financial Reporting Tool
- Real-time
- Launched within Oracle using current username and password
- Excel4apps Responsibility within Oracle
  - Launches
  - Additional ribbons in toolbar for Excel
- No installation requirements on client side (little support/maintenance from IT)

# Getting Started

Created a new roll up series in Oracle

- Allowed for Budget and Finance rollups to be different
- FIN Rollups based on financial statement presentation

Installation of GL Wand from IT

Testing and Validation from FIN

Created replica of prior year financial statements in GL Wand using roll-ups

- Allowed for County to analyze statements for completeness and accuracy
- Allowed for review of FIN rollups for consistency

# Features of GL Wand

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Create reports needed easily

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Automatic Drill-to-Detail functionality for GL and Oracle sub-ledgers (A/R, A/P)

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Once designed – any report can be refreshed with current data.

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Automatic \$1.00 rounding function.

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Budget-to-Actual Reporting with all encumbrance types (Commitment, Invoice, and Obligation)

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Snapshot Function – freezes data to values for report distribution.



# Accessing GL Wand

- Single Sign On
- Oracle Application



UNAUTHORIZED ACCESS IS PROHIBITED AND PUNISHABLE BY LAW!

## Welcome to Montgomery County, Maryland - Single Sign On

User Name:

Password:

[Log In](#)

[Forgot Password?](#) [My Account](#)

[Unlock My Account](#) [Change My Password](#)

accessMCG  
application portal

# Responsibility

PERSONALIZE

Please select a responsibility.

- Excel4apps Wands
- MCG Accts Payable Inquiry
- MCG Cash Mgmt Power User
- MCG Cash Mgt Recon User
- MCG COUNTY GL Controllers Office
- MCG DLC Cost Management - SLA
- MCG DLC GL Controllers Office
- MCG DLC Open and Close Periods - GL
- MCG DLC Open and Close Periods - Inventory
- MCG DLC Receivables Inquiry
- MCG Fixed Assets Inquiry
- MCG Fixed Assets Manager
- MCG GL Inquiry
- MCG HR Employee Self-Service
- MCG HR iRecruitment Employee
- MCG HR iRecruitment Rater
- MCG HR Manager Access
- MCG Open and Close Periods - GL
- MCG Open and Close Periods - Inventory
- MCG Open and Close Periods - PnG
- MCG Proc Inquiry
- MCG Receivables Inquiry

# Completed Report

Excel 2016 interface showing a financial report for Montgomery County, Maryland, dated June 30, 2017. The report is titled "Exhibit A-3" and is a balance sheet for governmental funds. The data is organized into columns for different fund categories: General Fund, Housing Initiative, Grants, Debt Service, Capital Projects, Nonmajor Governmental Funds, and Total Governmental Funds. The report shows various assets such as equity in pooled cash, cash, receivables, and due from other funds, with a total assets value of \$1,479,951,358.

	General Fund	Housing Initiative	Grants	Debt Service	Capital Projects	Nonmajor Governmental Funds	Total Governmental Funds
<b>ASSETS</b>							
Equity in pooled cash and investments	\$ 486,171,532	\$ 53,120,286	\$ (17,144,759)	\$ 31,975,306	\$ 111,299,379	\$ 96,887,149	\$ 762,308,893
Cash with fiscal agents	36,457	-	-	13,386,793	64,757,840	-	78,181,090
Cash	170,279	212,450	-	-	-	37,750	420,479
Cash - Restricted	11,475,000	-	-	-	-	-	-
Receivables (net of allowances for uncollectibles)	111,449,717	175,411,606	48,782,673	47,645,000	10,084,607	21,477,182	414,850,785
Income taxes	92,026,700	-	-	-	-	-	92,026,700
Property taxes	10,832,703	-	-	-	1,094	2,803,819	13,637,616
Capital leases	-	-	-	22,785,000	-	-	22,785,000
Accounts	6,572,632	-	8,615,472	-	9,783,513	15,783,024	40,754,641
Notes	499,744	-	2,472,201	24,860,000	-	-	27,831,945
Parking violations	938,582	-	-	-	-	333,684	1,272,266
Mortgages	579,356	175,411,606	37,695,000	-	300,000	2,556,655	216,542,617
Other	-	-	-	-	-	-	-
Due from other funds	112,740,654	-	-	-	-	1,174,577	113,915,231
Due from component units	44,263	45,488,870	10,901,752	-	10,571,925	-	67,006,810
Due from other governments	30,791,465	-	1,763,436	-	398,460	1,965,202	34,918,563
Inventory of supplies	7,587,754	-	-	-	298,924	-	7,886,678
Prepays	462,829	-	-	-	-	-	462,829
<b>Total Assets</b>	<b>\$ 760,929,950</b>	<b>\$ 274,233,212</b>	<b>\$ 44,303,102</b>	<b>\$ 93,007,099</b>	<b>\$ 197,411,135</b>	<b>\$ 121,541,860</b>	<b>\$ 1,479,951,358</b>

Additional information from the report:

- 3,199,441,250.29 (Total Governmental Funds)
- GF does not include 10106, Lisa to make JE
- Check Acct 208734, 28736

# Get Balance Function

- **Columns – Usually Fund, Period, Balance Type**
- **Rows – Accounts or Account Roll-ups**
- **Referencing – Relative vs. Absolute**
- **Fund, Period, Budget, Balance Type should be referenced to one cell**
- **Copy and Paste**

# Get Balance Function Wizard

Function Wizard

**f\$ Get Balance function**  
Populate the parameters to create the function.

Wands

Period Name	=D\$2	=	14-17
Balance Type	YTD	=	"YTD"
Currency	USD	=	"USD"
Translated Flag	Total	=	"Total"
Actual Flag	A	=	"A"
Budget Name		=	
Encumbrance		=	

Segments

Fund	=F\$3	=	100-101	[ ]
Cost Center	%	=	"%"	[ ]
Account	=L\$17	=	A3010	[ ]
F1	%	=	"%"	[ ]
F2	%	=	"%"	[ ]
Balancing	%	=	"%"	[ ]
Ledger	Optional	=		

Include the Ledger Id in the function

Options

Journal Source	Filter by Journal Source	=	
Journal Category	Filter by Journal Category	=	
Movement	Filter by Debit or Credit	=	

Create function Cancel

# Get Balance Function

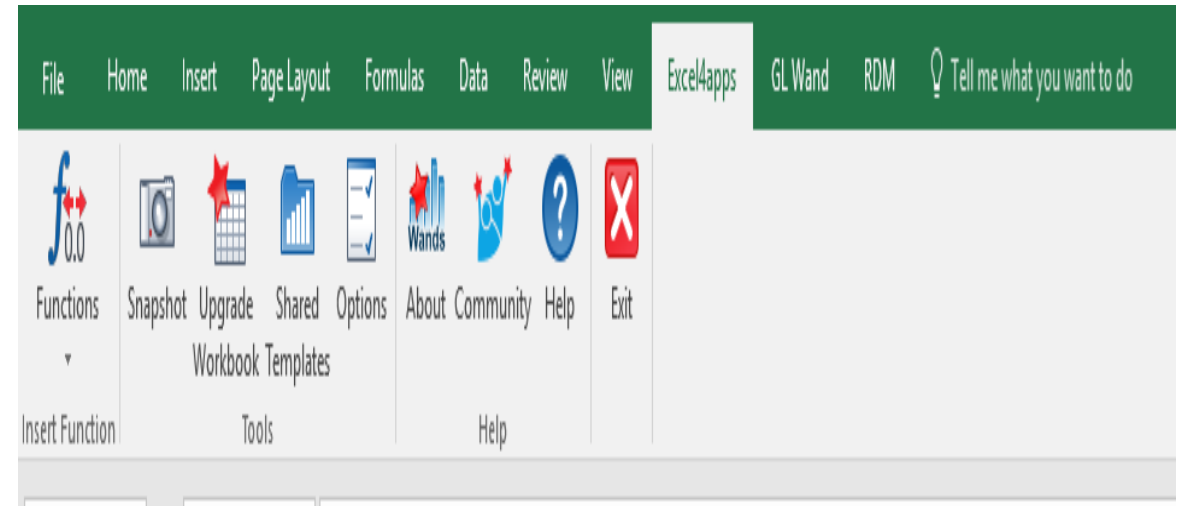
File Home Insert Page Layout Formulas Data Review View Add-ins Help Excel4apps GL Wand RDM Tell me what you want to do

F21 : X ✓ fx =GLW\_Get\_Balance(\$D\$2,"YTD","USD","Total","A",,F\$3,"%",\$L21,"%","%","%",,,,,,,,,,,,,GLW\_Get\_Balance\_Options(,,,,0))+1

	C	D	E	F	G	H	I	J	K	L	M	N
2		14-17		14-17		14-17						
3		110		100-101		120						
4		A		A		A						
5												
6	MONTGOMERY COUNTY, MARYLAND											
7	COMBINING BALANCE SHEET											
8	NONMAJOR GOVERNMENTAL FUNDS - SPECIAL TAXING DISTRICTS											
9	JUNE 30, 2017											
10	Exhibit B-3											
11												
12												
13												
14												
14												
18	Cash		5,750		5,000		2,000		12,750		A3020	
19	Receivables (net of allowances for uncollectibles):											
20	Property taxes		258,622		1,758,406		786,791		2,803,819		A4105	
21	Accounts		51		6,959,118		829,946		7,840,708		A4120	
23	Parking violations		-		-		333,684		333,684		A4140	
24	Due from other funds		-		-		1,174,577		1,174,577		A3052	
25	Due from other governments		-		-		1,965,202		1,965,202		A3056	
28	Total Assets		\$ 5,326,395		\$ 17,494,287		\$ 43,019,904		\$ 65,840,586			
29												
30	LIABILITIES, DEFERRED INFLOWS OF RESOURCES, AND FUND BALANCES											
31	Liabilities:											
32	Accounts payable		97,200		385,331		142,650		625,181		L3010,25100	
33	Accrued liabilities		1,272,934		7,341,399		3,099,079		11,713,412		L3030,25020	
34	Due to other funds		222,651		3,067,611		1,050,464		4,340,726		L3052	
35	Due to component units		11,361		-		83,388		94,749		L3054	
36	Due to other governments		137		1,493		430,105		431,735		L3056	
37	Unearned revenue		-		-		11,642		11,642		L3200	
38	Total Liabilities		1,604,283		10,795,834		4,817,328		17,217,445			
39												
40	Deferred Inflows of Resources:											
41	Unavailable property taxes		242,787		1,660,104		738,381		2,641,272			
42	Unavailable service revenues		-		5,099,142		-		5,099,142			
43	Total Deferred Inflows of Resources		242,787		6,759,246		738,381		7,740,414		L2003	
44												
45	Fund Balances:											
47	Restricted		3,479,325		-		37,464,195		40,943,520			
50	Unassigned		-		(60,793)		-		(60,793)		O3005	
51	Total Fund Balances		3,479,325		(60,793)		37,464,195		40,882,727			
52	Total Liabilities, Deferred Inflows of											
53	Resources and Fund Balances		\$ 5,326,395		\$ 17,494,287		\$ 43,019,904		\$ 65,840,586			

# Excel4Apps Ribbon

- Functions -
- Snapshot -
- Upgrade Workbook -
- Shared Templates -
- Options -
- About -
- Help -
- Community -



# Drill Down Function

File Home Insert Page Layout Formulas Data Review View Add-ins Help Excel4apps GL Wand RDM Tell me what you want to do

Functions Snapshot Upgrade Shared Options Wands About Community Help Exit  
Workbook Templates Tools Help

Insert Function F32 =GLW\_Get\_Balance(\$D\$2,"YTD","USD","Total","A",,F\$3,"%",\$L32,"%",,,,,,,GLW\_Get\_Balance\_Options(,,,1,0))

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
2				14-17		14-17		14-17						
3				110		100-101		120						
4				A		A		A						
5														
6				MONTGOMERY COUNTY, MARYLAND										
7				COMBINING BALANCE SHEET										
8				NONMAJOR GOVERNMENTAL FUNDS - SPECIAL TAXING DISTRICTS										
9				JUNE 30, 2017										
10				Exhibit B-3										
11														
12														
13														
14														
28				Total Assets	\$	5,326,395	\$	17,494,287	\$	43,019,904	\$	65,840,586		
29														
30				LIABILITIES, DEFERRED INFLOWS OF RESOURCES, AND FUND BALANCES										
31				Liabilities:										
32				Accounts payable		97,200		385,331		142,650		625,181		L3010,25100
33				Accrued liabilities		1,272,934		7,341,399		3,099,079		11,713,412		L3030,25020
34				Due to other funds		222,651		3,067,611		1,050,464		4,340,726		L3052
35				Due to component units		11,361		-		83,388		94,749		L3054
36				Due to other governments		137		1,493		430,105		431,735		L3056
37				Unearned revenue		-		-		11,642		11,642		L3200
38				Total Liabilities		1,604,283		10,795,834		4,817,328		17,217,445		
39														
40				Deferred Inflows of Resources:										

Page 1



# Drill Down Function

The screenshot shows the Microsoft Excel interface with the 'Home' tab selected. The ribbon includes options for Clipboard, Font, Alignment, Number, and Styles. The active cell is G9, containing the value '0'. The spreadsheet displays a 'Balance Drilldown' table starting from row 3. The table has the following data:

Account Combination	Opening Balance	Debit	Credit	Net	Closing Balance	Drill to Journal
100.00000.20010.0000.0000.000	-716,728.36	36,173,505.89	35,842,108.77	331,397.12	-385,331.24	<a href="#">Execute Drilldown</a>
100.00000.28748.0000.0000.000	-	197,727,264.83	197,727,264.83	-	-	<a href="#">Execute Drilldown</a>
101.00000.20010.0000.0000.000	-	317.81	317.81	-	-	<a href="#">Execute Drilldown</a>
		233,901,088.53	233,569,691.41	331,397.12		

# Converts FSG Reports to GL Wand

The screenshot displays the Excel interface with the following components:

- Ribbon:** File, Home, Insert, Page Layout, Formulas, Data, Review, View, Add-ins, Help, Excel4apps, **GL Wand**, RDM, Tell me what you want to do.
- GL Wand Tab:** Ledger (MCG Primary (2,...)), Segment (Fund (1)), Responsibility (Instance: EB5PRO01), Discover, Expand Explode, Show Create, Get Functions, Sheet Other Mode, Drill Drill to Advanced, Template Manage Layout Templates, Other Shared Options Help.
- Formula Bar:** F17 : X ✓ fx =GLW\_Get\_Balance(\$D\$2,"YTD","USD","Total","A","F\$3,"%",,\$L17,"%",,"%",,"%",,,,,,,,,,,,,GLW\_Get\_Balance\_Options(,,,,0))
- Spreadsheet Data:**

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	R
2				14-17		14-17		14-17							14-16
3				110		100-101		120							115-117
4				A		A		A							A
5															
6				MONTGOMERY COUNTY, MARYLAND											
7				COMBINING BALANCE SHEET											
8				NONMAJOR GOVERNMENTAL FUNDS - SPECIAL TAXING DISTRICTS											
9				JUNE 30, 2017											
10				Exhibit B-3											
11															
12															

## Options are Limitless!

- Using for management reports
  - Interim Financial Statements
  - Fund Balance Projections
  - Monthly Profit/Loss Statements for Enterprise Funds

Need to create report  
depository site of reports  
created

What's Next?

# Lessons Learned



- Specific to General Ledger
  - Reports for other modules (AR, AP, Etc.) not robust
- Set up of reports are key
  - Referencing outside the cell, versus within cell
    - Allows for quicker updates and changes
    - More flexibility

# Other Applications

Spreadsheet  
Server (Global  
Software)

Splash BI

Replicate  
(DBVisit)

Orbit  
Reporting and  
Analytics