



# Interagency Data Team



WEDNESDAY, February 8, 2017  
1:00pm – 3:00pm

***Welcome, News & Updates***, Barney Krucoff, Chief Data Officer, Office of the Chief Technology Officer

- Data Policy
- New updated datasets since last meeting

***OCFO Data Analysis***, Fitzroy Lee & Kelly Dinkins, Office of Revenue Analysis

***Data Inventory Tool***, Mario Field, OCTO

***Help for Data Inventory***, Barney Krucoff, OCTO

***Experiences with Data Sharing and Integration Challenges***, Dartanion Williams, OCA

***Slack Channel***, Julie Kanzler (OCTO)

***Tableau Expansion Schedule & License Rollover***, Barney Krucoff & Jafreisy Nunez (OCTO)



News and Updates  
Barney Krucoff, OCTO



## Data postings last 6 weeks



- Camera Enforcement
- Camera
- Commission of Fine Arts Award
- DC Agency
- DC Property (DHCD properties)
- Enterprise Zone
- Hub Zone
- Main Street
- Metro Station
- Notary Public
- Recreation Area (DHCD properties)
- Single Member District (Contact)
- Supermarket Tax Credit
- Village Boundary (Office of Aging)
- Ward (Contact)
- Zip Code



## Data on the way



- Business - 2017
- Business archive - 1997, 2002, 2007, 2013, 2014, and 2015
- DHCD
- DPW Trash and Recycling Tonnage by route
- Floodplain
- Great Street Grantee
- Green Building
- Historic Building
- Main Street (polygon)
- Moving Violation (thru 1/17)
- Museum
- Notary Public
- P-card
- Purchase Order (2016-17)
- Parking Violation (thru 1/17)
- Trash Day
- Wetland



# GIS Program Updates



## GIS Updates

- Oblique Imagery (Pictometry) Flight Completed
- Aerial Photogrammetry Competition Completed
- Esri enterprise license renewal negotiations starting
- ArcGIS Online Account Cleanup ongoing
- ***Next GIS Steering Committee Meeting February 21st, 10:00 to 12:00 at OCTO***





# Data Policy Updates



- Status
  - OCA Completed a detailed review
  - Document is now with Office of Attorney General for legal sufficiency review
- Changes since last meeting
  - Definitions reordered
  - Definitions of Level 1,2 and 3 changed to reference FOIA
  - Streamlined agreements for sharing Level 1 and Level 2 data now required
  - Minimum Data Protection Standards Adjusted
  - More support referenced for small agencies particularly regarding security.



## Modified Definitions



**Level 1, Public Not Proactively Released**, refers to a dataset that is not protected from public disclosure under any law **and is releasable under FOIA**. Nevertheless, publication of the dataset on the public Internet and exposure to search engines would

- have the potential to jeopardize the safety, privacy, or security of residents, agency workforce members, clients, partners, or anyone else identified in the information;
- require subjective redaction;
- impose an undue financial or administrative burden on the agency; or
- expose the District to litigation or legal liability.



# Data Policy Updates



**Level 2, For District Government Use**, refers to dataset that the originating agency determines **is subject to one or more FOIA exemptions** but is not highly sensitive and may be distributed within the government. For example, OCTO licenses commercial data on businesses operating in the District. The license prohibits the public distribution of the data, and proprietary restrictions qualify as a FOIA exemption. Nevertheless, the data has widespread utility within the government, including for economic development and emergency management, and therefore would be classified as Level 2.





# Data Policy Updates

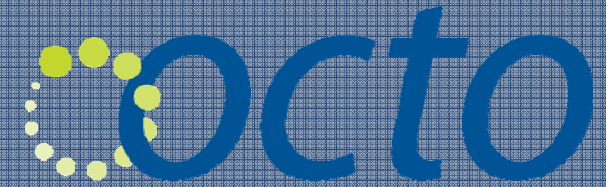


**Level 3, Confidential**, refers to dataset that the originating agency has determined is protected from disclosure by law, **including FOIA**, or regulation. Such datasets generally include datasets that contain data designated by a federal agency or District agency as:

- Attorney-Client Privileged
- Criminal Justice Information
- **Critical Infrastructure Information**
- Critical Program Information
- Family Educational Rights and Privacy Act (FERPA),
- Federal Tax Information (FTI),
- For Official Use Only (FOUO),
- Health Insurance Portability and Accountability Act (HIPAA) / Protected Health Information (PHI)
- Law Enforcement Sensitive

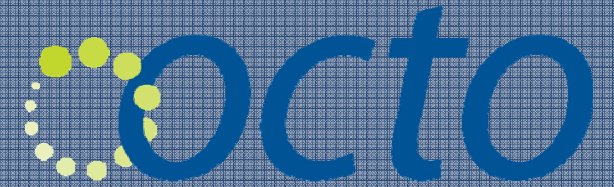


# Data Policy Updates



## **VIII STREAMLINED PROCESSES FOR INTERAGENCY DATA SHARING**

To lower the cost and increase the speed of the intra-District sharing of datasets classified as Level 2 or Level 1, the Chief Technology Officer, in coordination with the Office of the City Administrator, shall develop uniform data-sharing agreements. A public body shall not require another public body to enter into a data-sharing agreement other than the uniform data-sharing agreement in order to have access to view, utilize, or transfer Level 1 or Level 2, datasets, unless a different data-sharing agreement is approved by the City Administrator.



# OCFO Data Analysis

Fitzroy Lee & Kelly Dinkins  
Office of Revenue Analysis



District of Columbia

# **An Overview of the Office of Revenue Analysis**

**Fitzroy Lee**  
**Deputy Chief Financial Officer & Chief Economist**  
**February 8, 2017**





District of Columbia

## Mission of the Office of Revenue Analysis

“To organize economic and fiscal data to inform District policymaking.”



District of Columbia

## Goals of the Office of Revenue Analysis

- Ensure a fiscally sustainable budget by providing realistic quarterly revenue forecasts that becomes the basis of the District of Columbia's four-year budget and financial plan
- Maintain fiscal prudence by assessing the fiscal impact of legislation drafted by the Mayor and Council
- Inform District policymakers and stakeholders on trends that are shaping the District fiscal and economic landscape

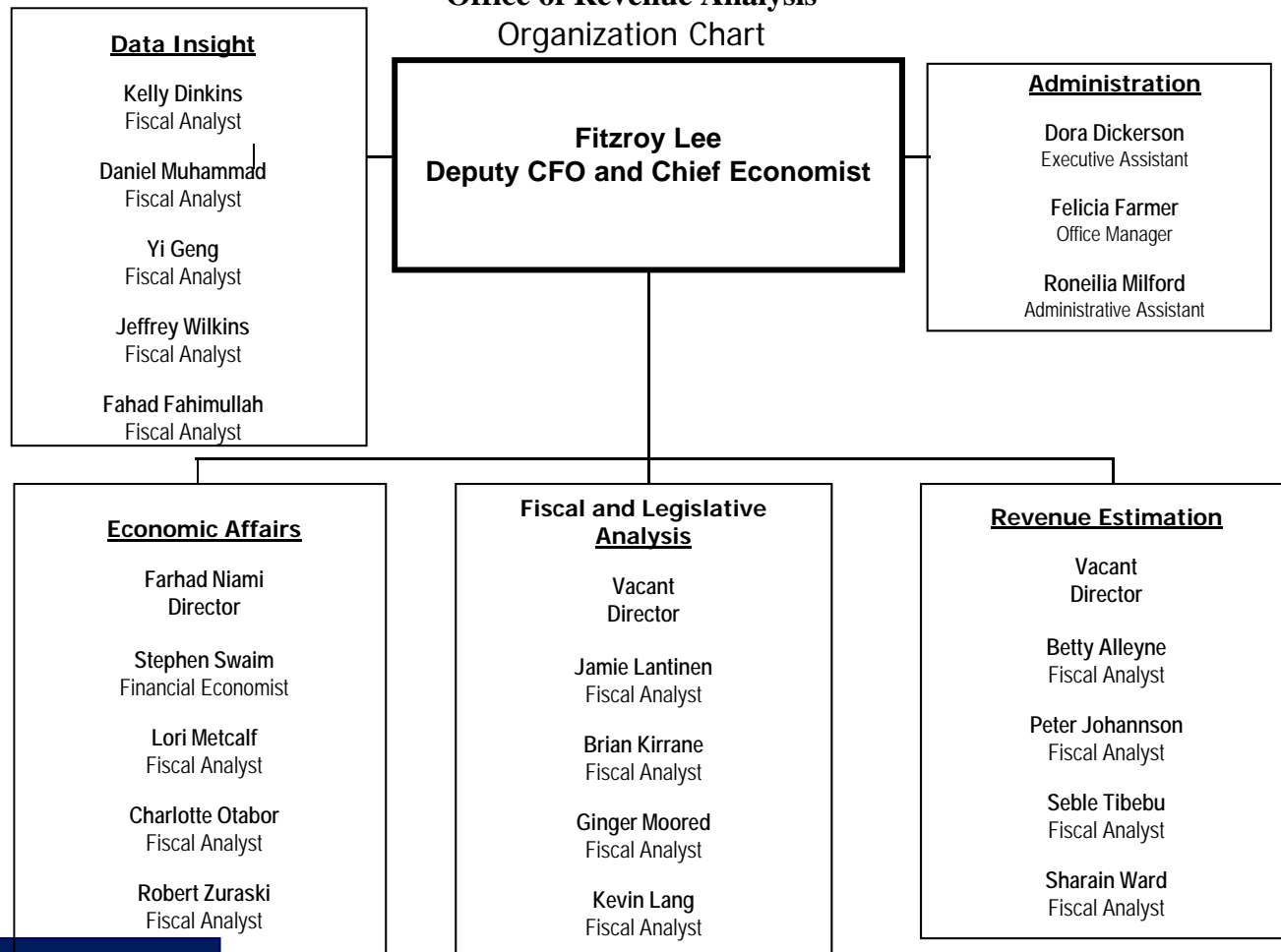


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## Organization

### OFFICE OF THE CHIEF FINANCIAL OFFICER

#### Office of Revenue Analysis Organization Chart

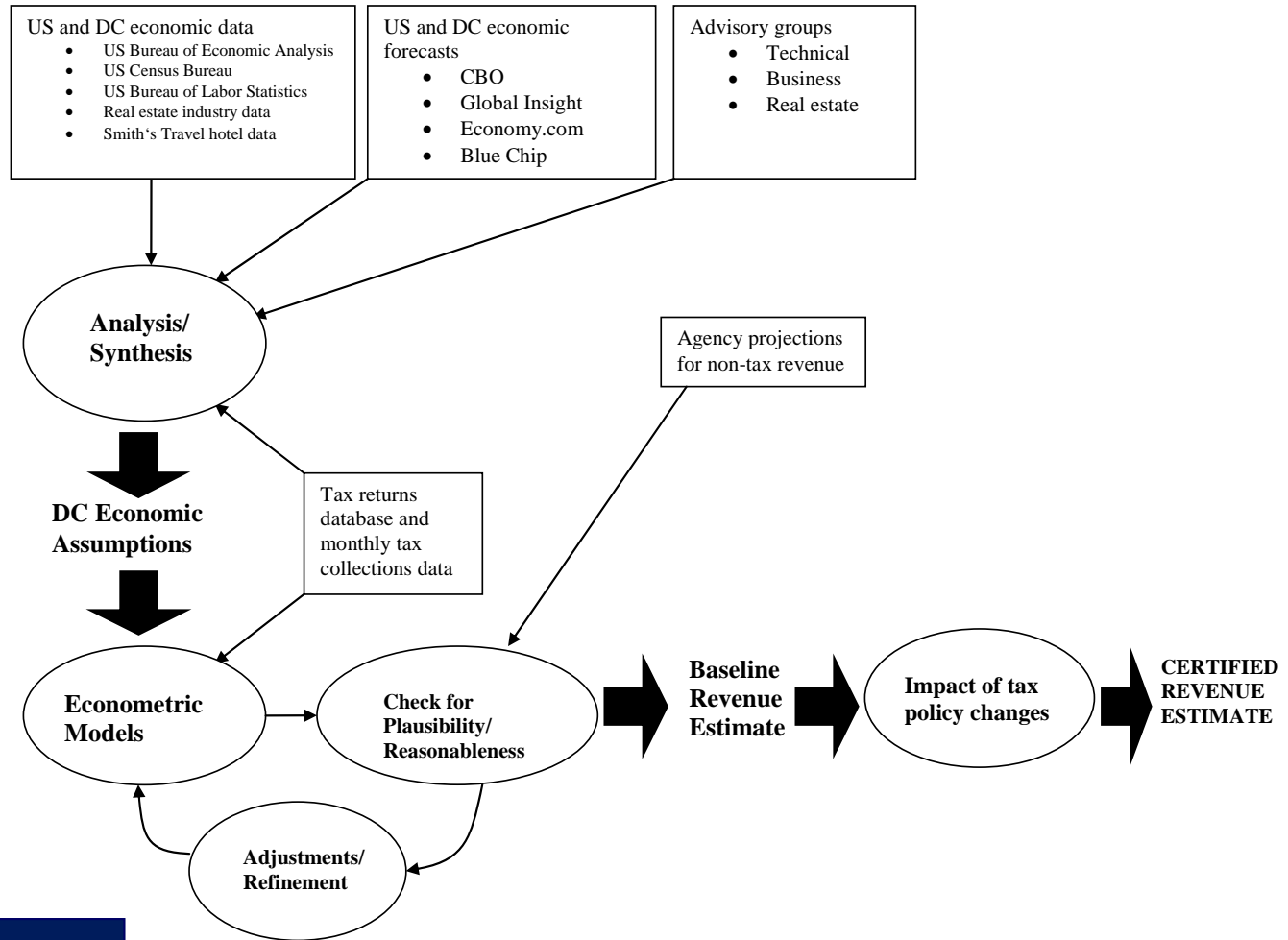




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## Revenue estimation

### The Revenue Estimating Process







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## A typical revenue certification letter

GOVERNMENT OF THE DISTRICT OF COLUMBIA  
OFFICE OF THE CHIEF FINANCIAL OFFICER



Jeffrey S. DeWitt  
Chief Financial Officer

February 27, 2015

The Honorable Muriel Bowser  
Mayor of the District of Columbia  
1350 Pennsylvania Avenue, NW – Suite 300  
Washington, DC 20004

The Honorable Phil Mendelson  
Chairman  
Council of the District of Columbia  
1350 Pennsylvania Avenue, NW – Suite 504  
Washington, DC 20004

Re: February 2015 Revenue Estimates

Dear Mayor Bowser and Chairman Mendelson:

This letter certifies, as of February 2015, revised revenue estimates for the FY 2015 - 2019 District of Columbia Budget and Financial Plan. The February revenue estimate for local fund revenues is revised upward by \$36.5 million in FY 2015 to \$6.614 billion and by \$37.3 million in FY 2016 to \$6.867 billion. The table below compares the February revenue estimate to the December 2014 estimate.

February 2015 revenue estimate compared to December 2014 estimate

	Actual		Estimate		Projected	
	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
<b>Local Source, General Fund Revenue Estimate (\$M)</b>						
<b>December 2014 Revenue Estimate</b>		6,577.6	6,829.8	7,047.3	7,332.7	NA
<b>February Revision to Estimate</b>		36.5	37.3	47.7	11.3	NA
<b>February 2015 Estimate</b>	6,307.4	6,614.0	6,867.1	7,095.0	7,344.0	7,576.2
<i>Percent Change</i>	1.7%	4.9%	3.8%	3.3%	3.5%	3.2%



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## Fiscal Impact Analysis

- Fiscal impact statements are important tools in maintaining budget balance—these analyses ensure that no new legislation is put in place without the necessary funding.
- In a difficult budget environment, correctly determining the potential cost of proposed legislation is crucial to protecting the city from additional financial risks.
- The FIS team carefully researches all legislative proposals and scrutinize all input from all agencies of the DC government.
- They work very closely with District government agencies and the Council staff.
- The FIS team is closely aligned to the committee structure in the Council, and actively monitors the legislative timeline to ensure that there is sufficient time to conduct thorough analyses of proposed bills.



District of Columbia

## A typical fiscal impact statement

Government of the District of Columbia  
Office of the Chief Financial Officer



Jeffrey S. DeWitt  
Chief Financial Officer

### MEMORANDUM

**TO:** The Honorable Phil Mendelson  
Chairman, Council of the District of Columbia

**FROM:** Jeffrey S. DeWitt  
Chief Financial Officer *Jeffrey S. DeWitt*

**DATE:** December 17, 2014

**SUBJECT:** Revised Fiscal Impact Statement – District of Columbia Soccer Stadium Development Act of 2014

**REFERENCE:** Bill 20-805, revised amendment in the nature of a substitute, shared with the Office of Revenue Analysis in draft form on December 15, 2014

*This fiscal impact statement reflects the changes in the amendment in the nature of a substitute circulated on December 15, 2014. This statement replaces the one issued by the Office of the Chief Financial Officer on November 13, 2014.*

### Conclusion

Funds are sufficient in the FY 2015 through FY 2018 budget and financial plan to implement the bill. The bill will cost an estimated \$141 million in FY 2015, and approximately \$180 million in capital and operating costs over the financial plan period. Combined with the recent supplemental budget request the Mayor has submitted to the Council for approval,<sup>1</sup> the bill provides sufficient resources to pay for its costs. The funding plan requires additional borrowing of approximately \$107 million.

Revised FIS: Bill 20-805, "District of Columbia Soccer Stadium Development Act of 2014," revised amendment in the nature of a substitute circulated on December 15, 2014

District of Columbia Soccer Stadium Development Act of 2014 Estimated Cost of Bill 20-805 (\$ thousands) FY 2015 – FY 2018					
	FY 2015	FY 2016	FY 2017	FY 2018	Total
<b>SOURCES OF FUNDS<sup>1</sup></b>					
<b>Operating Budget</b>					
One-time reprogramming (TRF01C)	\$0	\$2,000	\$0	\$0	\$2,000
Recurring reprogramming <sup>2</sup>	\$6,007	\$6,007	\$6,007	\$6,007	\$24,028
DC Water Payment	\$0	\$513	\$4,277	\$10,210	\$15,000
Fund carryover	(\$4,454)	\$0	\$0	\$0	\$0
Use of Soccer Fund Balance	\$0	\$4,454	\$0	\$0	\$0
<b>Total Operating Sources</b>	<b>\$1,553</b>	<b>\$12,974</b>	<b>\$10,284</b>	<b>\$16,217</b>	<b>\$41,028</b>
<b>Reprogramming of Capital budget on hold<sup>2</sup></b>	<b>\$32,627</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$32,627</b>
<b>USES OF FUNDS</b>					
<b>Operating Budget</b>					
<b>Revenue Reductions</b>					
Real Property Tax Abatement	\$0	(\$950)	(\$1,433)	(\$4,436)	(\$6,819)
Deed & Recordation Tax Exemption	(\$1,492)	(\$2,376)	\$0	\$0	(\$3,868)
Waiver of Permitting Fees	\$0	(\$1,176)	\$0	(\$137)	(\$1,313)
<b>Total Revenue Reductions</b>	<b>(\$1,492)</b>	<b>(\$4,502)</b>	<b>(\$1,433)</b>	<b>(\$4,573)</b>	<b>(\$12,000)</b>
<b>Operating Expenditures</b>					
Public Safety Costs (at stadium)	\$0	\$0	\$0	(\$200)	(\$200)
Payments to Developers - Workforce Incentive Program	\$0	(\$375)	(\$750)	(\$375)	(\$1,500)
Debt Service for Additional Borrowing	\$0	(\$7,976)	(\$7,976)	(\$7,976)	(\$23,927)
Community Benefits - Convention Center Waterfront Circulator	\$0	\$0	\$0	(\$2,964)	(\$2,964)
Community Benefits - Workforce Intermediary	(\$61)	(\$122)	(\$125)	(\$129)	(\$437)
<b>Total Operating Expenditures</b>	<b>(\$61)</b>	<b>(\$8,472)</b>	<b>(\$8,851)</b>	<b>(\$11,644)</b>	<b>(\$29,029)</b>
<b>Total Operating Budget Use</b>	<b>(\$1,553)</b>	<b>(\$12,974)</b>	<b>(\$10,284)</b>	<b>(\$16,217)</b>	<b>(\$41,028)</b>
<b>Capital Budget</b>					
Land Purchases <sup>3</sup>	(\$88,873)	\$0	\$0	\$0	(\$88,873)
Site Preparation & Infrastructure	(\$45,576)	(\$248)	\$0	\$0	(\$45,824)
Community Benefits	0	0	0	0	\$0
Convention Center Waterfront Circulator	(\$4,260)	0	0	0	(\$4,260)
Randall Recreation Center Renovation	(\$250)	0	0	0	(\$250)
<b>Total Capital Budget Use<sup>4</sup></b>	<b>(\$138,958)</b>	<b>(\$248)</b>	<b>\$0</b>	<b>\$0</b>	<b>(\$139,207)</b>
<b>TOTAL COST OF THE BILL</b>	<b>(\$140,511)</b>	<b>(\$13,223)</b>	<b>(\$10,284)</b>	<b>(\$16,217)</b>	<b>(\$180,235)</b>
<b>TOTAL SOURCES AVAILABLE</b>	<b>\$34,180</b>	<b>\$12,974</b>	<b>\$10,284</b>	<b>\$16,217</b>	<b>\$73,655</b>
<b>ADDITIONAL BORROWING</b>	<b>\$106,331</b>	<b>\$248</b>	<b>\$0</b>	<b>\$0</b>	<b>\$106,580</b>
<b>NET FISCAL IMPACT</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

Table Notes:

<sup>1</sup> Does not include the team contribution or the money received from the sale of 1<sup>st</sup> St. and K St. property to Pepco.

<sup>2</sup> Authorized by the Fiscal Year 2015 Revised Budget Request Emergency Adjustment Act of 2014, circulated on December 16, 2014.

<sup>3</sup> Assumes \$29 per 731,858 FAR square foot

<sup>4</sup> Does not include legal costs associated for eminent domain or environmental remediation, but has \$12 m in contingencies



District of Columbia

## Fiscal and economic research and analyses

- ORA also provides District stakeholders with a number of fiscal and economic reports, all of which are subject to an extensive internal and external peer-review process prior to release and publication.
  - *DC Economic Indicators*
  - *District of Columbia Economic and Revenue Trends*
  - *Tax Rates and Tax Burdens: Washington Metropolitan Area*
  - *Tax Rates and Tax Burdens in the District of Columbia: A Nationwide Comparison*
  - *The Economic Report of the District of Columbia*
  - *Report of Cash Collections (and explanatory notes)*
  - *Tax Expenditure Report*
  - *Tax Facts*
  - *Revenue Chapter of the District's annual Budget and Financial Plan*
- Earlier this year ORA started publishing a blog, District, Measured, which highlights some of ORA research and analyses on economic and fiscal trends affecting the District.





District of Columbia

## A typical edition of the *D. C. Economic Indicators*

### D.C. Economic Indicators May 2015

Government of the District of Columbia  
Muriel Bowser, Mayor  
Jeffrey S. DeWitt, Chief Financial Officer  
Dr. Fitzroy Lee, Deputy CFO & Chief Economist

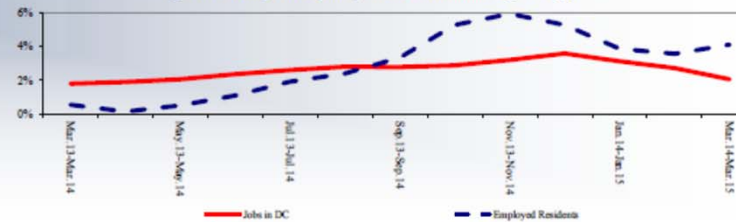


### Labor & Industry

★ Jobs in D.C. for March 2015, up 11,600 (1.6%) from March 2014

★ District resident employment for March 2015, up 11,400 (3.3%) from March 2014

Change in Total Wage and Salary Employment and Employed Residents  
(percent change from prior year in 3-month moving average)



#### Labor Market ('000s): March 2015\*

	District of Columbia			Metropolitan area		
	Level	1 yr. ch. (amt.)	1 yr. ch. (%)	Level	1 yr ch. (amt.)	1 yr. ch. (%)
Employed residents	353.9	11.4	3.3	3,115.2	35.3	1.1
Labor force	381.6	9.8	2.6	3,267.6	17.6	0.5
Total wage and salary employment	759.2	11.6	1.6	3,127.1	51.6	1.7
Federal government	197.3	0.8	0.4	361.2	0.2	0.1
Local government	37.8	1.0	2.7	336.1	10.8	3.3
Leisure & hospitality	67.6	-0.7	-1.0	292.1	5.5	1.9
Trade	27.1	1.5	5.9	334.9	6.9	2.1
Education and health	130.7	1.4	1.1	418.7	14.0	3.5
Prof., bus., and other services	232.0	7.1	3.2	901.4	13.3	1.5
Other private	66.7	0.5	0.8	482.7	0.9	0.2
Unemployed	27.7	-1.6	-5.3	152.3	-17.6	-10.4
New Unempl. Claims	1.3	-0.1	-6.6			

Sources: U.S. Bureau of Labor Statistics (BLS) & D.C. Dept. of Employment Services (DOES)

\* Preliminary, not seasonally adjusted

#### Detailed Employment ('000s): March 2015

	Level	1 yr. ch. (amt.)	1 yr. ch. (%)	% of total
Manufacturing	1.0	0.0	0.0	0.1
Construction	13.9	0.0	0.0	1.8
Wholesale trade	4.7	-0.2	-4.1	0.6
Retail trade	22.4	1.7	8.2	3.0
Utilities & transport	4.3	0.1	2.4	0.6
Publishing & other info.	16.9	-0.2	-1.2	2.2
Finance & insurance	18.0	0.0	0.0	2.4
Real estate	12.6	0.6	5.0	1.7
Legal services	29.4	0.4	1.4	3.9
Other profess. serv.	80.7	1.9	2.4	10.6
Empl. serv. (incl. temp)	15.4	1.6	11.6	2.0
Mgmt. & oth. bus. serv.	35.8	2.2	6.5	4.7
Education	63.5	0.1	0.2	8.4
Health care	67.2	1.3	2.0	8.9
Organizations	63.8	1.5	2.4	8.4
Accommodations	14.9	0.0	0.0	2.0
Food service	45.2	-1.0	-2.2	6.0
Amuse. & recreation	7.5	0.3	4.2	1.0
Other services	6.9	-0.5	-6.8	0.9
Subtotal private	524.1	9.8	1.9	69.0
Federal government	197.3	0.8	0.4	26.0
Local government	37.8	1.0	2.7	5.0
<b>Total</b>	<b>759.2</b>	<b>11.6</b>	<b>1.6</b>	<b>100.0</b>

Source: BLS. Details may not add to total due to rounding

#### D.C. Hotel Industry<sup>b</sup>

	Mar. 2015	Amt.	1 yr. ch.
Occupancy Rate	83.6%		0.8%
Avg. Daily Room Rate	\$238.81		\$0.04
# Available Rooms	28,698		1,372
Room Sales (\$M)	\$177.7		\$10.3

#### Airport Passengers<sup>c,d</sup>

	Mar. 2015	Amt. ('000)	1 yr. ch. (%)
DCA	1,931.1		13.6
IAD	1,666.1		-6.1
BWI	1,912.4		3.9
<b>Total</b>	<b>5,509.6</b>		<b>3.7<sup>e</sup></b>

<sup>b</sup> Source: Smith Travel Research <sup>c</sup> Source: Metropolitan Washington Airports Authority & Maryland Aviation Administration Authority <sup>d</sup> Includes arrivals and departures <sup>e</sup> Weighted average



District of Columbia

## Excerpt from latest *Tax Rates and Tax Burdens in the District of Columbia: A Nationwide Comparison*

### ESTIMATED BURDEN OF MAJOR TAXES FOR A HYPOTHETICAL FAMILY OF THREE, 2013

\$25,000

RANK	CITY	ST	TAXES				BURDEN	
			INCOME 2/	PROPERTY 3/	SALES 4/	AUTO	AMOUNT	PERCENT
1	Philadelphia	PA	\$1,545	\$1,891	\$543	\$231	\$4,210	16.8%
2	Honolulu	HI	283	3,062	511	254	4,111	16.4%
3	Los Angeles	CA	0	2,371	717	815	3,904	15.6%
4	Chicago	IL	900	1,843	565	369	3,677	14.7%
5	Boston	MA	237	2,700	469	176	3,582	14.3%

\$50,000

RANK	CITY	ST	TAXES				BURDEN	
			INCOME 2/	PROPERTY	SALES 3/	AUTO	AMOUNT	PERCENT
1	Philadelphia	PA	\$3,428	\$6,038	\$718	\$248	\$10,433	20.9%
2	Newark	NJ	553	7,814	719	145	9,231	18.5%
3	Bridgeport	CT	517	7,507	639	439	9,103	18.2%
4	Milwaukee	WI	1,129	5,317	615	303	7,364	14.7%
5	Detroit	MI	1,980	3,939	500	190	6,609	13.2%

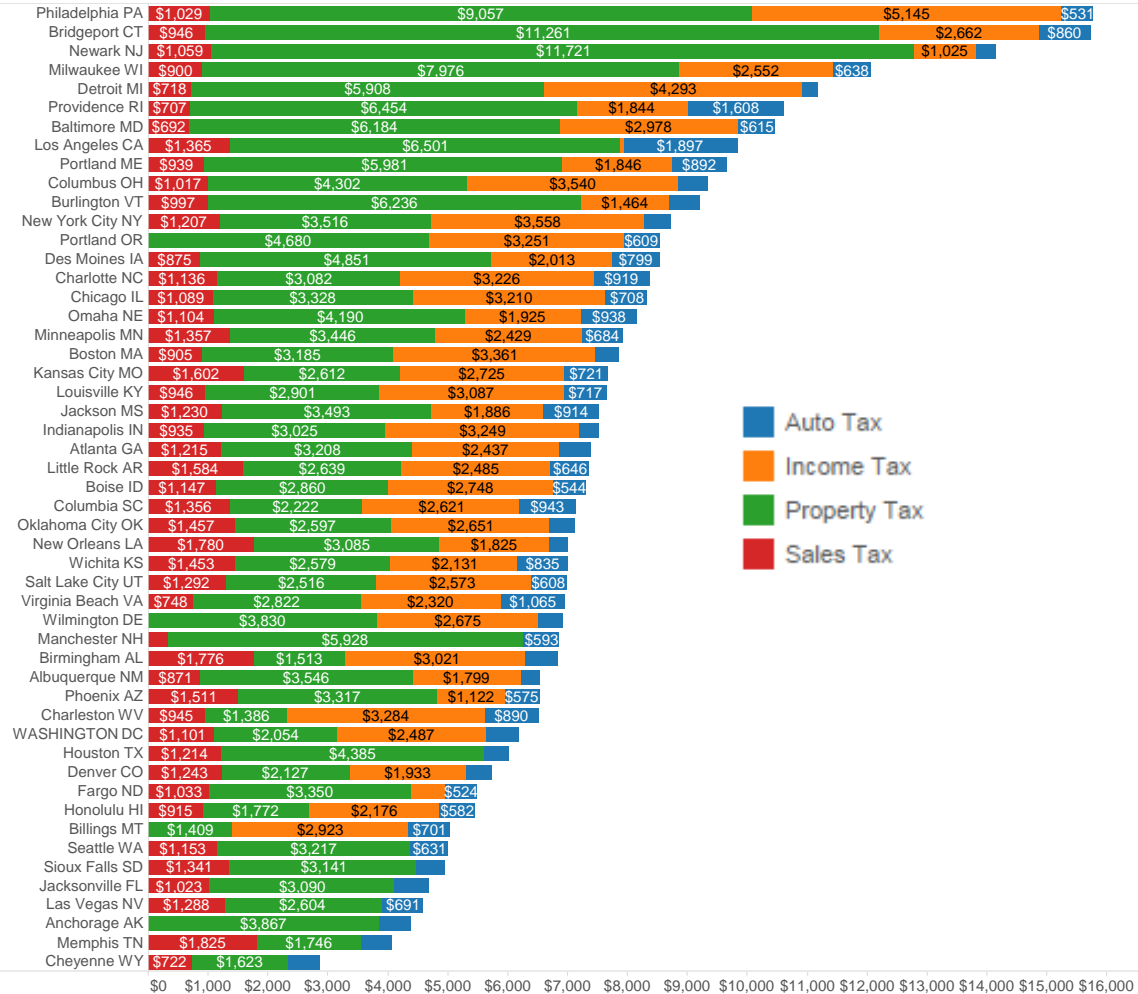
\$75,000

RANK	CITY	ST	TAXES				BURDEN	
			INCOME 2/	PROPERTY	SALES 3/	AUTO	AMOUNT	PERCENT
1	Philadelphia	PA	\$5,145	\$9,057	\$1,029	\$531	\$15,762	21.0%
2	Bridgeport	CT	2,662	11,261	946	860	15,728	21.0%
3	Newark	NJ	1,025	11,721	1,059	344	14,149	18.9%
4	Milwaukee	WI	2,552	7,976	900	638	12,066	16.1%
5	Detroit	MI	4,293	5,908	718	244	11,163	14.9%



District of Columbia

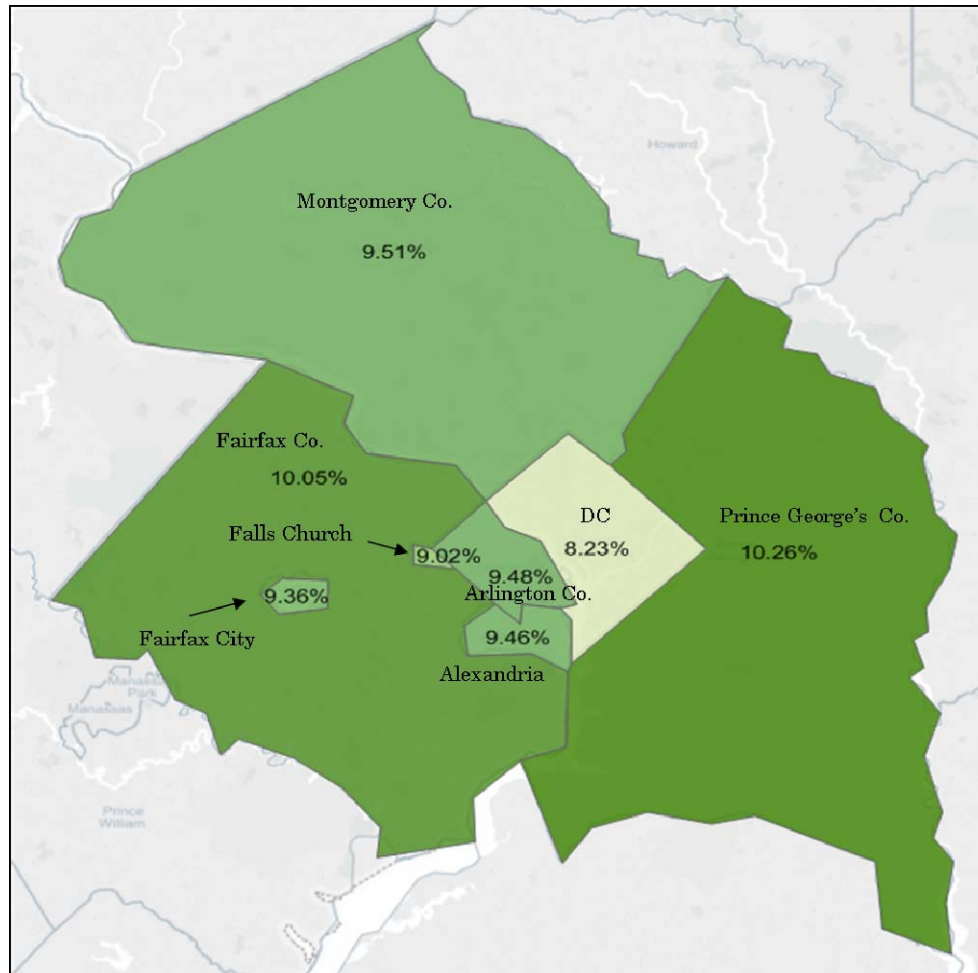
## Excerpt from latest *Tax Rates and Tax Burdens in the District of Columbia: A Nationwide Comparison*





District of Columbia

## Excerpt from a *Tax Rates and Tax Burdens: Washington Metropolitan Area*







District of Columbia

## A typical *District, Measured* blog post

### District, Measured

Posts from the District of Columbia's Office of Revenue Analysis

[ABOUT](#) [OCFO](#)

## Residents move into the city for jobs, move out for housing

JUNE 9, 2015 ~ YESIM SAYIN TAYLOR

The District added about 90,000 net new residents between 2000 and 2014, but the population churn has been great. Current Population Survey data show that more than half a million people report moving to the District from some other state or jurisdiction during that period—this is on average 8 percent of the city's resident population every year. Residents also move within the city frequently: In 2014, for example, nearly 60,000 residents moved houses within the city—this is approximately 9 percent of District's resident population.

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#### Archives

[June 2015](#)

[May 2015](#)

[April 2015](#)

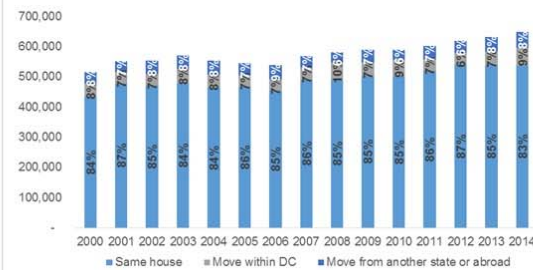
[March 2015](#)

[February 2015](#)

[January 2015](#)

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Change in District residency from a year ago: 2000 to 2014





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Thank you!

Questions/Comments?



District of Columbia

# **ORA Database Basics**

**Kelly Dinkins**  
**Office of Revenue Analysis**  
**Office of the Chief Financial Officer**  
**February 8, 2017**



District of Columbia

## ORA Tax Database

- Management and storage of D.C. and federal tax data.
- Allows easy and efficient access to data to support:
  - Tax analysis
  - Statistical reporting
  - Responding to ad-hoc requests for information
  - Income Tax modeling
- Data is uploaded annually, usually in the spring on a 2 year lag.
- D.C. data is available from tax year 2001 through current period (2014)
- Federal data is available from tax year 2006 through current period (2014)



District of Columbia

## ORA Tax Data

### D.C. Data

- Individual Income
- Corporate Franchise
- Unincorporated Franchise
- Personal Property
- Sales and Use
- Withholding
- Real Property

### Federal Data

- Individual Income



District of Columbia

## From ITS to (M) ITS

- **Integrated Tax System (ITS)** is a taxpayer accounting system which allows OTR to process taxpayer returns and manage taxpayer accounts
- Over 200 tables which hold various tax data from taxpayer demographics to financial transaction details
- ITS data changes on a daily bases
- Currently moving to the **Modernized Integrated Tax System (MITS)** which is an upgraded more modern version of ITS.
  - Minimize data entry
  - Improve customer service, returns processing, compliance, collections
  - More accurate input into ORA tax database





District of Columbia

## Data Structure

- Each tax return (D40, D40EZ, FR800, etc.) is represented by a separate table. These returns are further differentiated by tax year
- For each table, the fields follow the structure of the corresponding tax form.
- Additionally each table includes demographic fields such as name, address and a federal identification field (**SSN or EIN**) for each record.
- The unique federal ID allows us to conduct research and analysis on taxpayer demographics and trends across years and across tax returns.



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## Data Limitations

- ITS **does not** capture all the information submitted on the tax forms especially supplemental Schedules
- ITS **does not** capture sales tax data by location where sales are made or industry
- Information is sometimes missing or incorrect
- Data fields change from year to year
- Limited information on field definitions



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## Data Location and Security

- Data is housed on a secure server
- Authorized users must invoke VPN (virtual private network) to access files
- VPN software communicates through the firewall via secure “tunnel”
- IRS guidelines restrict access to authorized users
- Penalty for unauthorized viewing or browsing of confidential tax information
  - Criminal
    - Up to \$5,000 fine
    - Up to 5 years in prison
    - Both
  - Civil
    - Taxpayer can bring civil action for damages against employee



District of Columbia

## Individual Income Tax Microsimulation Model

- SAS based calculator used to estimate the impact of tax policy changes
- Consists of 5 Major Components
  - Calculator tool
    - Income tax brackets and rates
    - Exemptions
    - Credits
  - Database comprising of individual income tax records
  - An extrapolation module
  - Excel-based user interface for parameters
  - Reporting /Output function



District of Columbia

# Microsimulation Model-Interface Example

11:03 AM on Thursday, 25-OCT-2012				
THIS WORKSHEET IS USED TO CHANGE PARAMETERS FOR PLAN Y				
Category	Parameter_name	Description	PLAN_Y	
<b>Standard Deduction</b>	DC_STDDED_ZERO_Y	Amount of District standard deduction for refund only filers	4150	
	DC_STDDED_S_Y	Amount of District standard deduction for single filers	4150	
	DC_STDDED_MJ_Y	Amount of District standard deduction for married joint filers	4150	
	DC_STDDED_MFSC_Y	Amount of District standard deduction for married filing separate combined filers	4150	
	DC_STDDED_MFS_Y	Amount of District standard deduction for married filing separate returns filers	4150	
	DC_STDDED_HOH_Y	Amount of District standard deduction for head of household filers	4150	
	DC_STDDED_QW_Y	Amount of District standard deduction for qualifying widow(er) filers	4150	
	DC_STDDED_DEP_Y	Amount of District standard deduction for dependent filers	4150	
	DC_STDDED_DPJ_Y	Amount of District standard deduction for domestic partners joint filers	4150	
	DC_STDDED_DPSC_Y	Amount of District standard deduction for domestic partners separate combined filers	4150	
	ALLOW_STDDED_CHANGE_Y	Allow a filer to change deduction type (0=Prevent changes, 1=Allow changes)	1	
	DC_STD_USED_Y	Amount of standard deduction actually used to offset taxable income	1	
	<b>Exemptions</b>	DC_EXEMPTION_ZERO_Y	Exemption amount for District tax filers filing for refunds only	1725
		DC_EXEMPTION_S_Y	Exemption amount for single District tax filers	1725
DC_EXEMPTION_MJ_Y		Exemption amount for married joint District tax filers	1725	
DC_EXEMPTION_MFSC_Y		Exemption amount for married separate on a combined return District tax filers	1725	
DC_EXEMPTION_MFS_Y		Exemption amount for married filing separate District tax filers	1725	
DC_EXEMPTION_HOH_Y		Exemption amount for head of household District tax filers	1725	
DC_EXEMPTION_QW_Y		Exemption amount for qualifying widow(er) District tax filers	1725	
DC_EXEMPTION_DEP_Y		Exemption amount for dependent District tax filers	1725	
DC_EXEMPTION_DPJ_Y		Exemption amount for domestic partner filing jointly District tax filers	1725	
DC_EXEMPTION_DPSC_Y		Exemption amount for domestic partner filing separate on a combined return District tax filers	1725	
DC_AGED_EXMPT_DIFF_Y		Differential of exemption amount for aged District tax filers	0	
ADD_EXEMPT_S_Y		Add an additional number of exemptions for single filers	0	
ADD_EXEMPT_MJ_Y		Add an additional number of exemptions for married joint filers	0	
ADD_EXEMPT_MFSC_Y		Add an additional number of exemptions for married separate on combined filers	0	
ADD_EXEMPT_MFS_Y		Add an additional number of exemptions for married separate filers	0	
ADD_EXEMPT_HOH_Y		Add an additional number of exemptions for head of household filers	0	
ADD_EXEMPT_QW_Y		Add an additional number of exemptions for qualifying widow(er) filers	0	
ADD_EXEMPT_DEP_Y		Add an additional number of exemptions for dependent filers	0	
ADD_EXEMPT_DPJ_Y		Add an additional number of exemptions for domestic partner joint filers	0	
ADD_EXEMPT_DPSC_Y		Add an additional number of exemptions for domestic filing separate combined filers	0	
	DC_EXEMPT_PHASEOUT_SINGLE_Y	***NEW2014: DC exemption phaseout starting income for single filers	150000	
	DC_EXEMPT_PHASEOUT_JOINT_Y	***NEW2014: DC exemption phaseout starting income for joint filers	150000	
	DC_EXEMPT_PHASEOUT_HOH_Y	***NEW2014: DC exemption phaseout starting income for head of household filer	150000	
	DC_EXEMPT_PHASEOUT_STEP_Y	***NEW2014: DC exemption phaseout step increment	2500	
	DC_EXEMPT_PHASEOUT_RATE_Y	***NEW2014: DC exemption phaseout rate	0.02	
	DC_PEP_SWITCH_Y	***NEW2014: DC exemption phaseout switch (0=Off, 1=On)	1	
<b>Tax Rates and Brackets</b>	NBRACKETS_SNG_Y	Number of tax brackets for single filers (includes dependents)	6	
	BRK_AMT_SNG_Y1	Amount in single bracket #1	10000	
	BRK_AMT_SNG_Y2	Amount in single bracket #2	40000	
	BRK_AMT_SNG_Y3	Amount in single bracket #3	60000	
	BRK_AMT_SNG_Y4	Amount in single bracket #4	350000	
	BRK_AMT_SNG_Y5	Amount in single bracket #5	1000000	
	BRK_AMT_SNG_Y6	Amount in single bracket #6	1E+12	



District of Columbia

# Microsimulation Model-Output Example #1

TABLE 11. - Effective Tax Rate Table

Tax Year 2016 Data as of 30-SEP-2014  
 Effective Tax Rates, by Income Class  
 (Returns in Units, Amounts in Units)

Federal Adjusted Gross Income (Present Law)	FED_AGI_X		Tax Liability Under Present Law		FED_AGI_Y		Tax Liability Under Proposed Law	
	Returns	Amount	Returns	Amount	Returns	Amount	Returns	Amount
\$ 0 to \$ 10,000	31903	\$170,286,367.00	21997	\$-11,373,676	31903	\$170,286,367.00	21956	\$-11,111,910
\$ 10,000 to \$ 25,000	64665	\$1,117,158,372.00	62189	\$-35,134,796	64665	\$1,117,158,372.00	62336	\$-31,091,402
\$ 25,000 to \$ 50,000	80670	\$2,990,112,180.00	77663	\$81,583,050.00	80670	\$2,990,112,180.00	77845	\$87,894,572.00
\$ 50,000 to \$ 75,000	57094	\$3,507,525,074.00	55335	\$139,717,930.00	57094	\$3,507,525,074.00	55427	\$153,079,255.00
\$ 75,000 to \$ 100,000	35514	\$3,074,273,707.00	34636	\$139,427,184.00	35514	\$3,074,273,707.00	34680	\$152,854,106.00
\$ 100,000 to \$ 200,000	53910	\$7,440,994,369.00	52643	\$379,668,526.00	53910	\$7,440,994,369.00	52691	\$403,730,017.00
\$ 200,000 to \$ 350,000	18968	\$4,845,060,872.00	18438	\$279,945,268.00	18968	\$4,845,060,872.00	18452	\$290,683,539.00
\$ 350,000 to \$ 500,000	5118	\$2,108,428,260.00	5001	\$132,754,721.00	5118	\$2,108,428,260.00	5002	\$135,988,154.00
\$ 500,000 to \$ 1 M	4025	\$2,727,486,887.00	3801	\$175,125,046.00	4025	\$2,727,486,887.00	3801	\$179,106,514.00
Greater than \$ 1 M	2547	\$7,941,321,240.00	2427	\$494,740,576.00	2547	\$7,941,321,240.00	2427	\$499,584,162.00
All Taxpayers	354305	\$35,922,647,328.00	334231	\$1,776,453,729.00	354305	\$35,922,647,328.00	334718	\$1,860,727,008.00

Source: DC Individual Income Tax Simulation Model, USING\_14\_PAR  
 Date: Tuesday, April 12, 2016, 12:55  
 User: bettya  
 Economic Forecast: JUNE15QRA\_BASELINE  
 NOTE: Only DC taxpayers with positive income are included in this table.





District of Columbia

## Microsimulation Model-Output Example #2

Table 10. - Comparison of Tax Law Parameters Under Current Law (Plan X) and Proposed Law (Plan Y) for Tax Year 2016

ITEM	DESCRIPTION	VALUE UNDER PLAN X (CURRENT LAW)	VALUE UNDER PLAN Y (PROPOSED LAW)	DIFFERENCE
1	ADD_EXEMPT_DEP_Y	0	0	
2	ADD_EXEMPT_DPJ_Y	0	0	
3	ADD_EXEMPT_DPSC_Y	0	0	
4	ADD_EXEMPT_HOH_Y	0	0	
5	ADD_EXEMPT_MFSC_Y	0	0	
6	ADD_EXEMPT_MFS_Y	0	0	
7	ADD_EXEMPT_MJ_Y	0	0	
8	ADD_EXEMPT_QW_Y	0	0	
9	ADD_EXEMPT_S_Y	0	0	
10	ALLOW_ITEMIZED_DED_Y	1	1	
11	ALLOW_LIC_AND_EITC_Y	0	0	
12	ALLOW_MFSC_INC_LIMIT_Y	1E+12	1E+12	
13	ALLOW_MFSC_Y	1	1	
14	ALLOW_STDDDED_CHANGE_Y	1	1	
15	BRK_AMT_HOH_Y1	10000	10000	
27	BRK_AMT_SNG_Y1	10000	10000	
28	BRK_AMT_SNG_Y2	40000	40000	
29	BRK_AMT_SNG_Y3	60000	60000	
30	BRK_AMT_SNG_Y4	350000	350000	
31	BRK_AMT_SNG_Y5	1000000	1000000	
32	BRK_AMT_SNG_Y6	1E+12	1E+12	
33	BRK_AMT_WID_Y1	10000	10000	
34	BRK_AMT_WID_Y2	40000	40000	
35	BRK_AMT_WID_Y3	60000	60000	
36	BRK_AMT_WID_Y4	350000	350000	
37	BRK_AMT_WID_Y5	1000000	1000000	
38	BRK_AMT_WID_Y6	1E+12	1E+12	
39	BRK_RATE_HOH_Y1	0.04	0.04	
40	BRK_RATE_HOH_Y2	0.06	0.06	
41	BRK_RATE_HOH_Y3	0.065	0.085	<<====
42	BRK_RATE_HOH_Y4	0.085	0.085	
43	BRK_RATE_HOH_Y5	0.0875	0.0895	<<====
44	BRK_RATE_HOH_Y6	0.0895	0.0895	
45	BRK_RATE_JNT_Y1	0.04	0.04	
46	BRK_RATE_JNT_Y2	0.06	0.06	
47	BRK_RATE_JNT_Y3	0.065	0.085	<<====
48	BRK_RATE_JNT_Y4	0.085	0.085	



District of Columbia

## Completed Research Projects

- **A Comparative Analysis of Income Statistics for the District of Columbia: ACS Income Estimates vs. DC Individual Income Tax Data (2015)**

(Research paper completed by Jayron Lashgari, an Undergraduate Research Intern. This paper is posted on the OCFO website and is the subject of two blog postings on District, Measured. )

- **Accounting for Trends in Charitable Tax Deductions: Framework and Application to the District of Columbia (2014)**

Lin Cong (Graduate Research Intern), Judy Mulusa (Graduate Research Intern), Farhad Niami (Staff Economist), Betty Alleyne (Staff Economist) and Quentin Wodon (World Bank)

(This academic research paper posted on MPRA website. The Munich Personal RePEc Archive (MPRA) is an initiative by economists from different countries and runs under the responsibility of the Munich University Library in Munich, Germany.)

- **D.C. has a higher level of income inequality than at least 66 Countries (2014)**

(This is an article in The Washington Post, October 29, 2014. Research completed by Graduate Research Intern Henry Liu)



District of Columbia

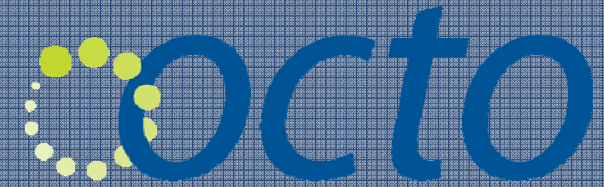
## Questions??



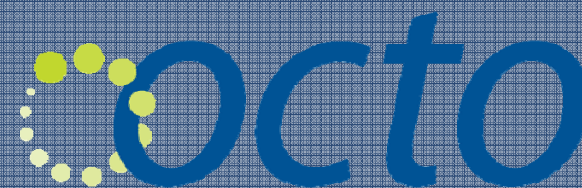
*Data Inventory Tool*  
Mario Field



## Deadlines for the data inventory



- **Within 60 days** of the issuance of this Order, OCTO shall provide public bodies with an intranet-based data inventory tool and train ADOs and AISOs on its use.
- **Within 180** days of receiving the tool, public bodies shall inventory and designate the dataset classification levels of their enterprise datasets using the online tool provided by OCTO. The tool shall include a series of questions that walk public bodies through the dataset classification. Prioritization will not be included in the initial Enterprise Dataset Inventory.
- **Where enterprise datasets are not classified as Level 0: Open, an explanation for the higher classification shall be included in the inventory.**
- **Within 270 days** of the issuance of this Order, OCTO shall publish the first iteration of the Enterprise Dataset Inventory as Level 0, Open.



# Inventory Tool Demonstration





*Experiences with Data Sharing and  
Integration Challenges*

Dartanion Williams

Director of Data Operations, OCA



*Slack Channel*  
Julie Kanzler (OCTO)



*Tableau Expansion Schedule &  
License Rollover*  
Jafreisy Nunez (OCTO)



## Tableau Server



- Public facing
  - embed analysis into agency websites
  - create dashboards for mobile consumption
- Internal Tableau server expansion
  - agency dedicated sites and publish sensitive data behind the district firewall.
  - outside of the firewall users will need to VPN
  - LDAP authentication will be used to manage access
  - ability to connect to live data source
  - Manage your extract refresh
  - ability to subscribe users to receive content through email
- Project Timeline
  - design completed
  - procurement completed procurement
  - enterprise infrastructure operational in the 2nd quarter calendar year 2017



## Tableau Desktop



- Rolling all of the desktop licensing up to one Tableau Master Key under OCTO for all Agencies. No more small procurements!
- Agencies will need to consolidate their current license key in order to participate in this centralized infrastructure. We will assist in helping fill out the Assignment Assumption form to start the process.
- Maintenance renewal date will then be aligned to one date and paid by OCTO in the future as part of the Annual BI assessment agencies are already contributing to.
- Tableau services request should be submitted using OCTO self-service found at [start.dc.gov](http://start.dc.gov)





# Open Discussion

Next Meeting

1:00 to 3:00

March 15, 2017

OCTO

200 I Street SE