

State Data Center
Cost Allocation Plan
Fiscal Year 2014



Introduction (A)

**State Data Center
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Contents

The details of the cost allocation plan and resulting billing rates are presented in sections A through G. In summary these are:

- Introduction (Section A) – CAP methodology, and explanation of terms.
- Budget Summary (Section B) - Summarized anticipated expenditures for personnel and operating expenses for the SDC.
- Budget Detail (Section C) - Itemized estimated expenditures for the SDC. Yearly salaries by position, fringe benefits, and itemized expense and equipment by cost center are identified and totaled to arrive at the total SDC operating budget.
- Utilization Estimates by Customer (Section D) - estimated utilization for each service available by customer.
- Billing Rate Derivation (Section E) - Itemized list of costs allocated to a specific service and the rate calculation for that service.
- Cost Estimates by Customer (Section F) - Estimated billings for each customer based on the customer's estimated utilization and the rate.
- Rate Comparison (Section G) - Comparison of the current rates to the rates for the past four years.

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Cost Allocation Method

A cost-based development method was employed in establishing billing rates. The benefits of this cost based method are two. First, it is a full-cost recovery process. That is, both direct and indirect costs are included, which minimizes the potential problem of under/over recovery of the SDC's total budgeted costs. Second, each customer is treated in an equitable manner. That is, the rate is based upon the amount of resources used.

This method requires the development of a cost allocation plan which is accomplished through the execution of the following work steps.

1. Determine rate category for services provided - the types of customer services provided by the SDC are identified and approved by the Chief Information Officer (CIO).
2. Establish units of service - the unit of service used to measure the volume of service provided for each service type is established based on three major criteria:
 - a. relationship to the function performed
 - b. measurability
 - c. controllability by the customer
3. Compile customer estimated utilization - the estimated utilization by customer for each service provided is compiled. The individual estimates are then totaled to develop the basis for computation of the billing rate.

NOTE: Utilizations for FY13 were used as a basis for developing the FY14 estimates.

4. Identify types of cost - two basic types of cost are identified, allocated direct and allocated indirect. Allocated direct costs are those personnel and expense and equipment costs that can be directly identified with providing a type of service. Allocated indirect costs are related support costs that cannot be directly identified with providing a specific type of service.
5. Determine allocated direct costs - budgeted personnel and expense and equipment costs that can be directly identified with providing a specific type of service are accumulated to determine total allocated direct costs by type of service.
6. Determine allocated indirect costs - budgeted costs identified as allocated indirectly are prorated among the types of service.
7. Summarize total costs by service - total cost by service is determined by adding the direct and indirect allocated costs and job costs.
8. Calculate rate per unit of service - the rate per unit of service is calculated by dividing the total annual cost by the total estimated annual utilization.

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Explanation of Terms

- Allocated Direct - Personnel service and expense and equipment costs that are directly identified with providing a specific type of service. For example, CICS software product cost is directly allocated to CICS Transactions.
- Allocated Indirect - Personnel service and expense and equipment costs that are not identified as being directly attributable to a specific type of service. For example, office supplies is allocated pro-rata to all types of services.
- CICS Transaction - A CICS Transaction is a request, made at a workstation, for a display of information on the workstation or the storage of information being entered from the workstation.
- COOL:Gen (Composer) Service Units - A COOL:Gen Service Unit is a translation of CPU resources used for batch jobs and TSO transactions when using the COOL:Gen product.
- CPU Service Unit - CPU resources used for batch jobs, TSO transactions, CICS transactions, IDMS transactions, DB2 ClientServer transactions, FOCUS, and DB2 transactions are monitored and measured in CPU service units. Service units used by DB2 transactions are reported under CICS, TSO, and Batch.
- AD\Exchange - These are costs associated with Active Directory and Email services to the customers. Costs are based on the number of accounts and/or the amount of email being stored on the servers.
- Data Domain – A Data Deduplication and Replication Appliance used for backups .
- DistSys Backup-Recovery (Previously TSM & Data Domain) – Is an IBM software product that is used by customers to backup their servers and desktops. Cost to customers is based on how much backup storage they occupy.
- Enterprise Fax Services - Enterprise electronic fax services for sending and receiving faxes. Biscom electronic fax software is the fax product used.
- Laser Feet, Duplex Printing and Lines Printed - Print is based on lines printed (impact) or feet printed (laser/duplex) from the SDC mainframe printers.
- Job Costs - These are costs associated with backup, maintenance and monitoring of systems that are required to provide customer services. These costs are applied to the appropriate type of service.
- Physical Server Support (Previously Server Support) – Physical Server Support encompasses the many tasks of managing a physical server and it's infrastructure.
- Remote Server Support – Technical support and hardware replacement for servers not located in the State Data Center.
- SAN (Storage Area Network) - Disk Storage used by the Open System environment.
- SQL Database Hosting Base Charge -All base costs associated with supporting customer databases are included in the *Database Hosting Base Charge* except for the cost of the storage space for databases. The base rate of the *Database Hosting Base Charge* is based upon the total number of all customer databases supported by ITSD Database.
- SQL Server Memory- The server memory comes into play when you have a dedicated server/instance to one application. This maybe a large application on a COTS application that could have prerequisites for a large amount of memory. With this charge we are simply passing on the cost of memory to the application.

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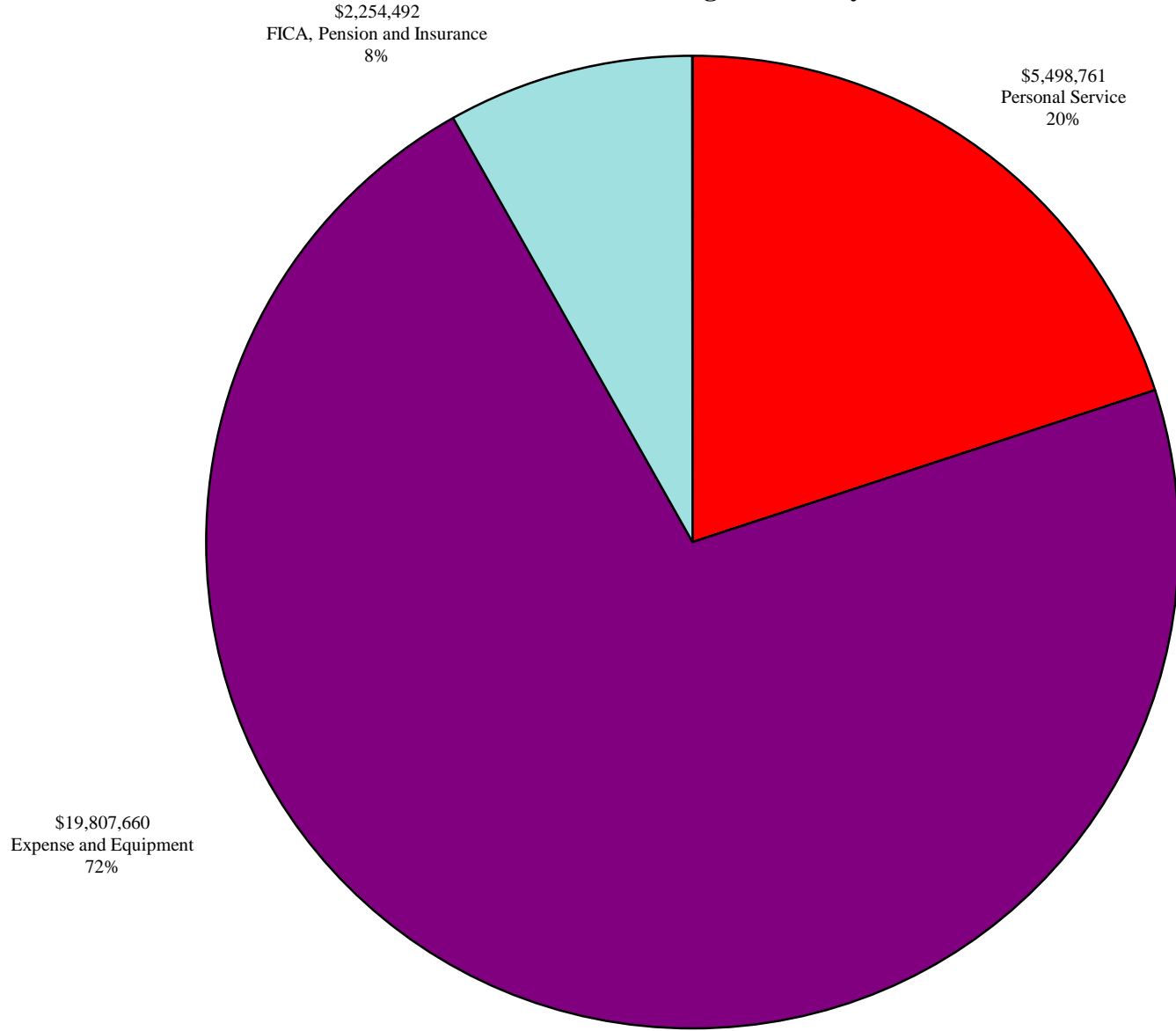


Explanation of Terms Continued

- SQL Database Hosting Overage Charge - Exclusive of the Database Hosting Base Charge is a separate Database “overage” charge based upon the size of the database. Comparatively, the larger the database, the more disk space, memory, support, and administration are needed to provide customer approved functionality and performance. The Database Hosting Overage Charge accounts for the requirement of these additional resources and is assessed on each additional gigabyte (GB) over 1 GB. Databases sized at less than or equal to 1 GB will not be assessed an overage charge.
- SQL DBMS License Charge - The DBMS license charge comes into play when you have a dedicated server/instance to one application. This maybe a large application or a COTS application that has a prerequisites for large amount of processing power. In order to keep the cost down for the DBMS systems, we are leveraging putting on more database on instance/region. When the application needs large amount of dedicated processing power, we have to have a way to bill this back. Most vendors now are basing their licenses on cores and to keep this cost down in the virtual world we are building dedicated clusters of VM’s and licensing every core. With this charge we are simply passing on the license cost of running the DBMS software to the application.
- TFS (Team Foundation Server) - is a Microsoft product offering source control, data collection, reporting, and project tracking, and is intended for collaborative software development projects. The bill back model includes hardware, software and personnel support for Production and Test installations. Agency specific database costs and TFS Build resources are an additional cost.
- VM (Virtual Machine) – A Virtual Machine is a technique using specialized software to combine images of multiple servers on a single machine.
- WAS (WebSphere Application Server) – IBM’s J2EE application server providing a platform for running java applications with EJB, Web Services, and other Feature Packs.
- VDI (Virtual Desktop Infrastructure) - Is the practice of hosting a desktop operating system within a virtual machine (VM) running on a hosted, centralized server. Access to the virtual desktop can be achieved with a variety of end point devices.
- zOS Data Storage (Previously DASD) - Direct Access Storage is measured in gigabytes (billions of characters) allocated to customer and SDC data.
- zOS DB2 Service Units (Previously DB2) - A DB2 Service Unit is a translation of resources used by the DB2 product.
- zOS Enterprise Data Back Up (Previously DSM) - Is the utilization of data storage on tape and on HSM DASD. Utilization is measured in gigabytes (billions of characters) allocated to customer and SDC data.
- zOS IDMS (Previously IDMS Run Unit) - An IDMS run unit is an online or batch request to access data managed by the IDMS data base system
- CPU Priority Adjustment - CPU Priority Adjustments are based on the batch job priority classes defined by the customers and the time of day for TSO usage. Low priority jobs are billed at 75 percent of the normal CPU billing rate. These jobs are processed during the second and third shifts. Class ‘1’ jobs are billed at 65 percent of the normal CPU billing rate. These jobs are processed during weekends and holidays. TSO CPU, FOCUS CPU, and Roscoe CPU usage during non-prime hours (5 p.m. to 7 a.m.) is billed at 75 percent of normal CPU billing rate.

Budget Summary (B)

FY14 State Data Center Budget Summary



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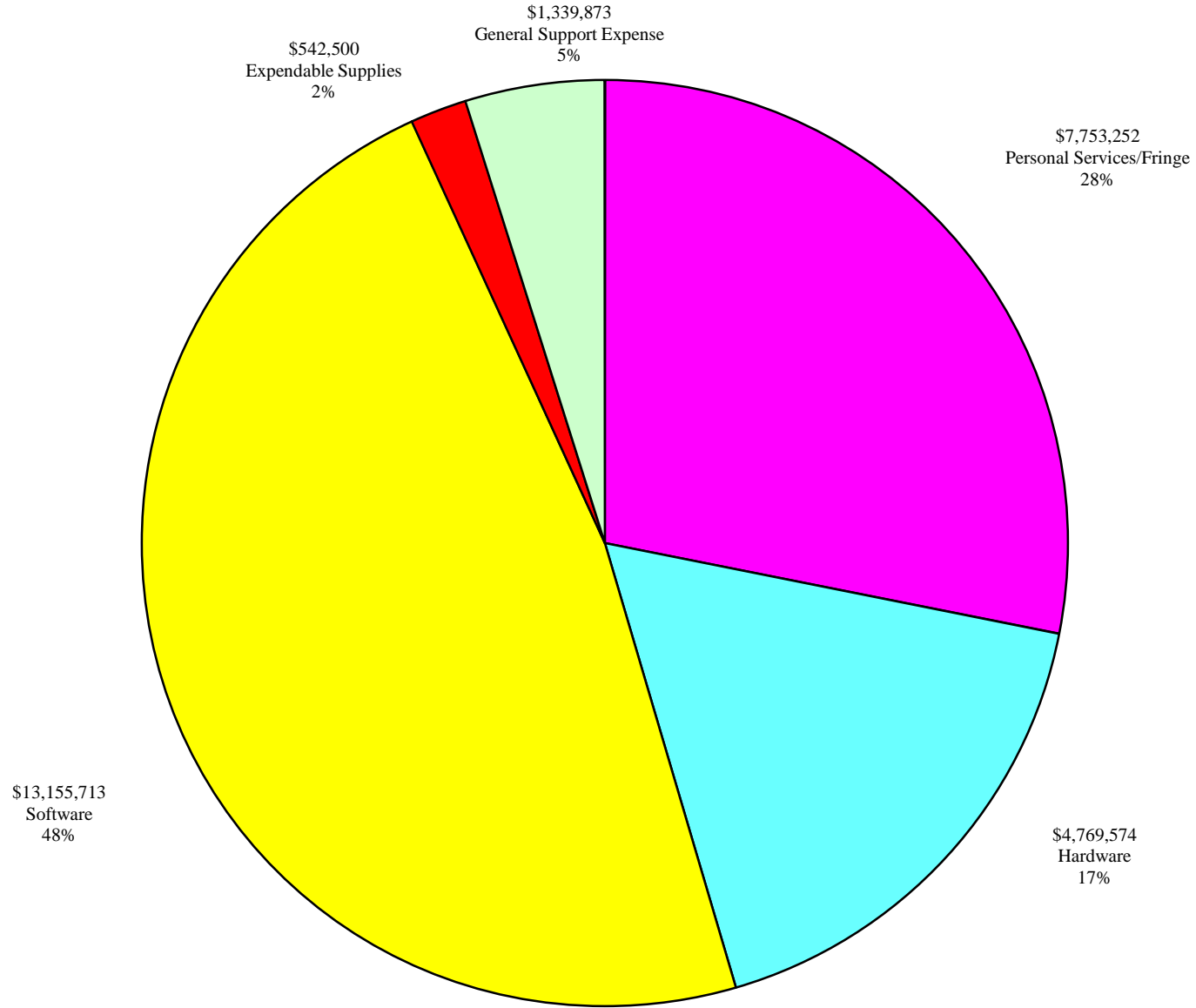


**FY14 Budget Summary
State Data Center**

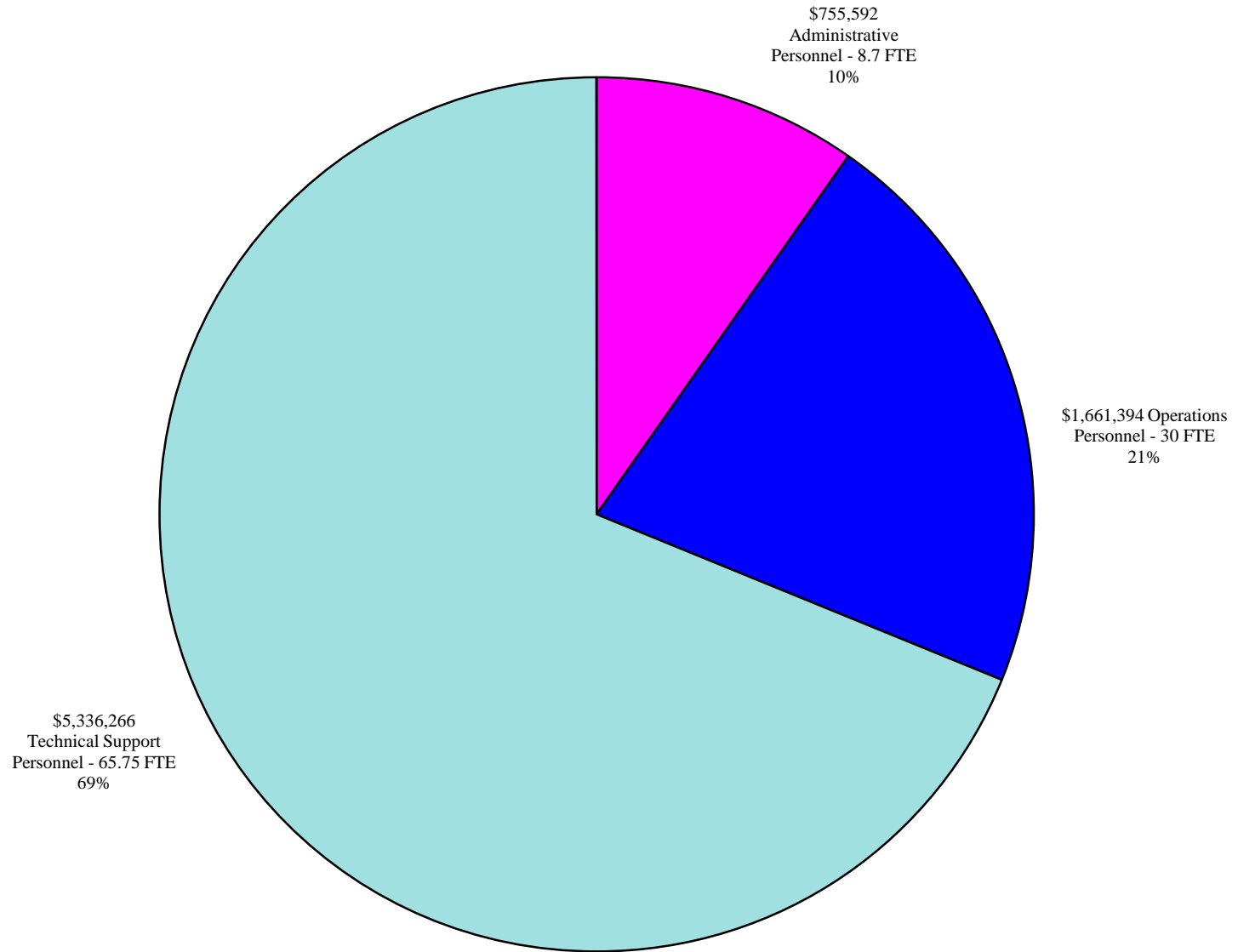
	<u>Revolving Fund</u>
Personal Service	\$5,498,761
Expense and Equipment	\$19,807,662
Transfers	\$0
FICA, Pension and Insurance	<u>\$2,254,492</u>
Total Budgeted Costs	<u><u>\$27,560,914</u></u>

Budget Detail (C)

FY14 State Data Center Object Code Allocations



FY14 State Data Center Personnel Allocation



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**FY14 Budget Detail
State Data Center**

<u>Item Number</u>	<u>Description</u>	\$ <u>FY13 CAP</u>	\$ <u>FY14 CAP</u>
Personnel			
Administrative Personnel			
1	Accounting Analyst III (.25 FTE)	14,212	14,354
2	Accounting Specialist II (.25 FTE)	11,793	11,911
3	Accounting Specialist III	52,179	52,701
4	Administrative Office Support Assistant (.25 FTE)	0	0
5	Administrative Office Support Assistant (.25 FTE)	7,082	7,153
6	Administrative Sr. Office Support Assistant (.29 FTE)	10,447	10,551
7	CIO (.29 FTE)	35,685	36,042
8	Deputy for Operations (.29 FTE)	26,964	27,233
9	Executive I (.25 FTE)	10,839	10,947
10	Executive I (.25 FTE)	8,834	8,923
11	Executive I (.5 FTE)	18,012	18,192
12	Executive II (.25 FTE)	10,215	10,317
13	Fiscal & Administrative Manager Band 1 (.25 FTE)	16,464	16,628
14	Fiscal & Administrative Manager Band 1 (.5 FTE)	0	29,291
15	Fiscal & Administrative Manager Band 2 (.25 FTE)	25,457	25,712
16	Fiscal & Administrative Manager Band 2 (.25 FTE)	14,759	14,906
17	Fiscal & Administrative Manager Band 2 (.25 FTE)	17,104	17,275
18	Fiscal & Administrative Manager Band 2 (.25 FTE)	21,972	22,192
19	Fiscal & Administrative Manager Band 3 (.25 FTE)	25,457	25,712
20	Information Technology Manager (.29 FTE)	20,692	20,899
21	Information Technology Specialist I (.25 FTE)	17,836	18,014
22	Information Technology Supervisor	57,811	58,389
23	Procurement Officer I (.25 FTE)	11,276	11,389
24	Procurement Officer II (.25 FTE)	15,508	15,663
25	Procurement Officer II (.25 FTE)	12,261	12,384
26	Section Manager Div Of Information Services (.25 FTE)	21,270	21,483
27	Special Asstistant Professional (.29 FTE)	17,445	17,620
Total Administrative Personnel		\$501,574	\$535,881
Computer Operations Personnel			
1	Computer Operations Supervisor I	46,035	46,496
2	Computer Operations Supervisor I	45,766	46,223
3	Computer Operations Supervisor I	44,005	44,445
4	Computer Operations Supervisor I	47,939	48,419
5	Computer Operations Supervisor I	46,951	47,421
6	Computer Operations Supervisor II	46,951	47,421
7	Computer Operator I	35,013	35,363
8	Computer Operator I	37,804	38,182
9	Computer Operator I	29,747	30,045
10	Computer Operator II	35,688	36,045
11	Computer Operator II	30,878	31,187
12	Computer Operator II	26,784	27,052
13	Computer Operator II	33,183	33,515
14	Computer Operator II	27,213	27,485

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FY14 Budget Detail continued

<u>Item Number</u>	<u>Description</u>	\$ <u>FY13 CAP</u>	\$ <u>FY14 CAP</u>
15	Computer Operator III	37,076	37,447
16	Computer Operator III	33,784	34,122
17	Computer Operator III	31,436	31,751
18	Computer Operator III	36,346	36,710
19	Computer Operator III	45,766	46,223
20	Computer Operator III	44,005	44,445
21	Computer Operator Trainee	30,203	30,505
22	Computer Operator Trainee	28,702	28,989
23	Computer Operator Trainee	22,675	22,902
24	Computer Operator Trainee	26,326	26,589
25	Information Technologist I	44,864	45,313
26	Information Technologist II	39,954	40,353
27	Information Technologist II	37,764	38,141
28	Information Technologist III	42,514	42,939
30	Information Technologist IV	49,943	50,443
32	Manager of Operations	61,510	62,125
	Operations Overtime	20,000	20,000
	Total Computer Operations Personnel	\$1,166,826	\$1,178,294
	Technical Support Personnel		
1	Director of State Data Center	53,078	53,609
2	Director of State Data Center (.5 FTE)	40,796	0
3	Information Technologist I	47,939	48,419
4	Information Technologist I (.8 FTE)	29,077	29,368
5	Information Technologist II	56,557	57,122
6	Information Technologist II	0	36,385
7	Information Technologist II	0	36,385
8	Information Technologist III	62,784	63,412
9	Information Technologist III	73,034	73,764
10	Information Technologist III	42,033	42,453
11	Information Technologist III	0	42,284
12	Information Technologist III	0	40,663
13	Information Technologist IV	49,943	50,443
14	Information Technologist IV	48,128	48,609
15	Information Technologist IV	49,046	49,536
16	Information Technologist IV	55,448	56,002
17	Information Technologist IV	0	42,978
18	Information Technologist IV	0	45,560
19	Information Technologist IV (.05 FTE)	0	2,233
20	Information Technologist IV (.1 FTE)	0	4,298
21	Information Technology Manager (.5 FTE)	27,624	27,901
22	Information Technology Manager I	76,283	77,046
23	Information Technology Manager I	71,347	72,060
24	Information Technology Senior Specialist (.8 FTE)	51,339	51,852
25	Information Technology Senior Specialist (.8 FTE)	54,752	55,299

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FY14 Budget Detail continued

<u>Item Number</u>	<u>Description</u>	<u>\$ FY13 CAP</u>	<u>\$ FY14 CAP</u>
26	Information Technology Spec I	0	48,614
27	Information Technology Spec I (.1 FTE)	0	4,862
28	Information Technology Spec I (.3 FTE)	0	16,133
29	Information Technology Spec II (.05 FTE)	0	2,981
30	Information Technology Spec III (.15 FTE)	0	10,367
31	Information Technology Specialist I	42,987	43,417
32	Information Technology Specialist I	50,086	50,587
33	Information Technology Specialist I	53,244	53,776
34	Information Technology Specialist I	50,931	51,440
35	Information Technology Specialist I	47,939	48,418
36	Information Technology Specialist I	55,369	55,922
37	Information Technology Specialist I	67,007	67,677
38	Information Technology Specialist I	51,072	51,582
39	Information Technology Specialist I	74,565	75,311
40	Information Technology Specialist I	55,447	56,002
41	Information Technology Specialist I	52,176	52,698
42	Information Technology Specialist I	52,033	52,554
43	Information Technology Specialist I	64,173	64,814
44	Information Technology Specialist I	54,238	54,780
45	Information Technology Specialist I	64,173	64,814
46	Information Technology Specialist I	61,530	62,146
47	Information Technology Specialist I	50,086	50,587
48	Information Technology Specialist I	51,078	51,588
49	Information Technology Specialist I	49,943	50,443
50	Information Technology Specialist I	0	55,714
51	Information Technology Specialist I (.5 FTE)	32,086	32,407
52	Information Technology Specialist I (.5 FTE)	31,392	31,706
53	Information Technology Specialist I (.5 FTE)	35,671	36,028
54	Information Technology Specialist II	71,459	72,174
55	Information Technology Specialist II	62,852	63,481
56	Information Technology Specialist II	60,222	60,824
57	Information Technology Specialist II	61,510	62,125
58	Information Technology Specialist II	54,358	54,901
59	Information Technology Specialist II	62,852	63,481
60	Information Technology Specialist II	55,369	55,922
61	Information Technology Specialist II	64,173	64,814
62	Information Technology Specialist II	56,557	57,122
63	Information Technology Specialist II	56,557	57,122
64	Information Technology Specialist II	60,222	60,824
65	Information Technology Specialist II	60,526	61,131
66	Information Technology Specialist II	65,561	66,217
67	Information Technology Specialist II	68,420	69,105
68	Information Technology Specialist II	62,852	63,481
69	Information Technology Specialist II	59,021	59,611
70	Information Technology Specialist II	62,852	63,481

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FY14 Budget Detail continued

<u>Item Number</u>	<u>Description</u>	<u>\$ FY13 CAP</u>	<u>\$ FY14 CAP</u>
71	Information Technology Specialist II	68,438	69,123
72	Information Technology Specialist II (.8 FTE)	47,218	47,690
73	Information Technology Specialist II (.8 FTE)	54,752	55,299
74	Information Technology Supervisor	56,505	57,070
75	Information Technology Spec I	0	49,535
	Technical Support Overtime	45,000	45,000
	Total Technical Support Personnel	\$3,353,710	\$3,784,586
	Total Personnel	\$5,022,110	\$5,498,761
	Total Fringe Benefits	\$2,059,065	\$2,254,492
	Total Personnel and Fringe Benefits	\$7,081,176	\$7,753,252
Normalized Salary for Computer Operations Personnel		\$1,178,294 / 30 = \$39,276	
Normalized Salary for Technical Support Personnel		\$3,784,586 / 65.75 = \$57,560	
Hardware Lease			
103	CPU Lease	0	420,000
104	CPU Annual Growth Upgrades	642,800	0
105	DASD Lease	0	135,600
106	DASD Growth	330,400	255,000
107	Deduplication/Replication Hardware Lease	0	0
108	Disaster Recovery CPU (Springfield Site)	242,823	242,823
111	High Density Tape Drive (VTSM) Growth	50,000	170,000
113	SAN DASD	85,236	414,000
116	InfoPrint 4000 Upgrade	300,000	0
117	VM Hardware Lease	0	324,730
	Total Hardware Lease	\$1,651,259	\$1,962,153
Hardware Maintenance			
204	CPU Maintenance	398,839	418,781
205	DASD Maintenance	53,905	68,000
206	Data Domain Appliance Maintenance	141,655	227,200
207	Backup Admin Servers Maintenance (TSM Win)	0	4,800
210	Fax Server Host Maintenance	0	5,440
214	External Coupling Facility	21,857	22,950
222	Print Unwinder/Job Sep/CTS	85,825	90,000
223	Printer Usage	181,000	205,000
224	Printer-Impact	1,500	5,200
225	Printer-Laser	86,967	78,000
229	Remote Server Support	0	128,000
230	Service Processor	723	1,800
231	SAN Server and Storage Maintenance	252,891	183,800
232	TSM Server and Storage Maintenance	91,172	37,000
233	GTX Qualifier Maintenance	2,000	2,800
234	Tape Unit	41,864	0

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FY14 Budget Detail continued

<u>Item Number</u>	<u>Description</u>	<u>\$ FY13 CAP</u>	<u>\$ FY14 CAP</u>
236	FICON Directors	51,158	85,500
237	Virtual Tape	0	10,300
238	VM Server and Storage Maintenance	40,558	48,900
239	Batteries/UPS Maintenance	42,450	50,276
240	Generator Maintenance	7,741	7,741
241	Console Support Controller	1,290	0
242	Servers - Maintenance Renewals	35,400	13,470
243	VDI Server Maintenance	19,506	19,506
244	VDI Storage Maintenance	20,698	20,698
245	SVC Hardware Maintenance	0	2,500
Total Hardware Maintenance		\$1,578,999	\$1,737,662
Software Lease			
301	ACF/NCP	10,380	10,380
302	ACF/SSP	19,080	19,080
303	Softek TDMF Replicator for zOS	22,365	23,483
304	ASF V3 Base plus Document Writing	23,232	23,232
305	BMC Mainview	71,600	71,600
306	CICS Transaction Gateway	48,585	48,585
307	CICS/TS V5	1,093,296	1,093,296
308	COBOL for OS/390 & VM Alt	132,828	132,828
309	MacKinney Software	8,093	7,245
310	DCF Base	27,960	27,960
311	AFP Toolbox (Toolkit)	3,540	3,540
313	DSF/DSS/HSM OS/390 V2	140,453	140,453
319	IBM Websphere App Svr V5 (WAS for z/OS)	63,771	177,000
321	Interactive Output Facility (IOF)	6,321	5,800
324	WebSphere MQ for Z/OS	349,596	459,710
328	OGL/370 V1	5,220	7,830
329	OS/390 Version 2	2,044,945	1,965,000
330	Page Print Format Aid/370 V1	3,660	3,660
331	PL/I Alternate Function	120,396	140,568
332	PSF/MVS	20,748	65,000
333	SDF II MVS	27,300	27,300
335	Red Hat Enterprise\Network Satellite	18,689	24,400
338	DB2 EOS v10	947,832	976,267
339	Symantic EndPoint Protection Subscription - VM	0	22,838
340	Microsoft Server Operating System Subscription	0	78,000
341	UDB - DB2 Utilities Suite	30,261	30,261
342	Symantic EndPoint Protection Subscription - Remote Server Support	0	19,892
343	Antivirus For Exchange	25,000	125,000
Total Software Lease		\$5,265,151	\$5,730,208
Software Maintenance			
401	Axceler ControlPoint - SharePoint Internal	14,500	7,250
402	Axceler ControlPoint - SharePoint External	0	3,625

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<u>Item Number</u>	<u>Description</u>	<u>\$ FY13 CAP</u>	<u>\$ FY14 CAP</u>
403	CA All Fusion	29,939	32,933
404	CA Intertest W/XA-ESA-Batch	76,240	83,864
405	CA Intertest W/XA-ESA-CICS	105,282	0
406	CA Librarian	171,626	188,788
408	CA Restart/Recover (CA11)	55,377	60,915
410	CA Scheduling Package (CA7)	163,317	179,649
411	CA TMS (CA1)	60,977	67,075
412	CA UNIPAK	1,486,093	1,634,702
413	IBM Tivoli Omegamon DE V3	45,813	45,813
414	IBM Tivoli Omegamon XE CICS V3	45,813	45,813
415	CL/Supersession for z/OS	48,104	48,104
416	IBM Tivoli Omegamon XE DB2 V4	96,512	96,512
417	IBM Tivoli Omegamon XE z/OS V2	91,626	91,626
418	Catalog/ Disk / HSM Audit and Recovery Utilities	21,820	27,225
419	DB2 Connect	37,247	37,247
420	Allen System Group Job Scan/Docu Text	43,859	43,859
421	Document Management Systems (MOBIUS)	87,486	87,486
422	Dumpmaster MVS	104,895	104,895
423	Group 1 Software MailStream Plus	10,766	21,434
424	Group 1 Software Zip+4 (Code-1 Plus)	24,690	25,925
425	IBI FOCUS	0	515,000
426	IBM Storage Volume Controller (SVC)	115,000	0
427	IBM TotalStorage Productivity Center (TPC)	110,150	60,000
428	Tivoli WAS\ND	48,000	121,893
429	Insync MVS	89,817	89,817
430	IPSwitch Renewal	6,500	6,500
431	TicToc	7,608	7,608
432	DB2 LUW	7,894	8,684
433	LOTUS Domino V6	13,886	0
434	Connect:Direct	12,000	12,000
435	Merrill Consultants MXG	3,000	0
436	MVS Quick Reference	37,192	31,250
437	Microsoft Premiere Support	31,000	31,000
438	SSL Certificates	0	1,375
439	MoveIT Software Maintenance	0	0
440	Platinum DB2 Tools	345,036	345,036
441	RevealNet Reveal for DB2	2,760	0
442	MicroSoft Team Foundation Software Subscription	0	2,054
443	SAS Base	153,050	153,050
444	SAS/ STAT	96,780	96,780
445	SAS/ACCESS	96,780	96,780
447	SAS/ETS	48,390	48,390
451	SA Licenses for SQL	0	231,561
452	SI SyncSort	18,688	20,811
454	SPC Systems - COBOL Report Writer Precompiler	2,849	2,849

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FY14 Budget Detail continued

<u>Item Number</u>	<u>Description</u>	<u>\$ FY13 CAP</u>	<u>\$ FY14 CAP</u>
456	Distributed Print Software Maintenance	0	30,545
457	Biscom Software Maintenance	0	11,400
458	SSRS Software Maintenance	0	0
460	Tivoli Storage Management	210,845	25,500
463	Vanguard Security Reporter	51,507	51,505
464	DB2 Buffer Pool Tool	19,425	19,425
466	BMC Event Manager	15,000	0
468	SQL	70,000	20,000
469	VMWare View Software Maintenance	152,650	152,650
470	Microsoft VDA Licensing (Software Subscription)	170,250	170,250
471	Catalog/ Disk / HSM Audit and Recovery Utilities - zOS Enterprise D	5,405	5,405
472	SDI TN3270 Emulation	13,500	11,128
474	Server Software - Maintenance Renewals - AD & Exchange	235,202	266,519
475	GSF STEPLIB/LLIBEF	3,000	3,000
476	What's Up	4,000	0
477	SAN Software	150,000	132,200
478	Vranger Software Maintenance	23,925	10,565
479	VMWare vSphere License Maintenance	0	207,075
480	SolarWinds Storage Manager Maintenance	0	7,200
481	Server Software - Maintenance Renewals - SharePoint Internal	0	0
482	Server Software - Maintenance Renewals - SharePoint Exteranl	0	0
483	JIRA License	0	0
484	JIRA Plugin	0	0
Total Software Maintenance		\$5,193,071	\$5,941,545
Hardware Purchase			
502	24-Port Fax Cards for Server	0	9,911
503	Deduplication/Replication Purchase - DistSys Backup-Recovery	0	162,602
504	SAN - New/Replacement Purchases	165,876	117,960
505	Deduplication/Replication Purchase - AD & Exchange	235,210	28,695
506	Desktop Comuter Equipment	0	6,681
507	Remote Server Replacement	461,652	0
508	Remote Storage Hardware	0	0
509	Tools for Staff	38,000	38,000
510	Servers - New/Replacement Purchases	0	58,334
511	TSM Hardware Purchase - AD & Exchange	528,663	66,951
512	TSM Hardware Purchase - DistSys Backup-Recovery	413,549	52,604
514	VM Hardware Purchase	235,430	310,490
515	Data Domain Hardware Upgrade	219,000	1,425
516	VDI End-Point Device (Then Clients)	0	0
517	VDI Server and Upgrades	65,020	71,440
518	VDI Storage and Upgrades	68,994	64,666
519	SAN Hardware Upgrade	0	13,333
520	InfoPrint Hardware Purchase	0	66,667
Total Hardware Purchase		\$2,431,394	\$1,069,759

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FY14 Budget Detail continued

<u>Item Number</u>	<u>Description</u>	<u>\$ FY13 CAP</u>	<u>\$ FY14 CAP</u>
Software Purchase			
601	Enterprise Licnese for SQL (New)	0	477,950
602	Distributed Print Software	0	27,333
603	Software Upgrade	0	0
605	Fax Services	62,000	0
606	TSM Software Purchase	0	300,000
607	VM Software Purchase	60,000	128,775
608	Vranger License Enhancement	9,000	23,400
609	VMWare View Licensing	86,000	86,000
610	Trend Micro ScanMail Security Software	0	98,500
611	ISA for Webmail Software	0	2,880
612	Enterprise Vault Software Upgrade	0	220,000
613	BMC ProactiveNet Performance Management Suite	0	110,000
615	Biscom Enterprise Fax Software	0	9,124
Total Software Purchase		\$217,000	\$1,483,962
Expendable Supplies			
701	Magnetic Tapes & Supplies	60,000	2,500
703	Network Supplies	5,000	0
704	Paper	285,000	335,000
705	Paper Storage and Transport Transfer	10,750	0
706	Printer Supplies	195,000	205,000
Total Expendable Supplies		\$555,750	\$542,500
General Support Expense			
802	Consulting Service	35,000	60,000
805	IBM Global Network(Advantis)	10,000	0
806	Internet Access	1,500	0
807	IBM Server Support Line	45,000	25,000
808	MAN Connection/ANS Support/RLS Charges	112,800	112,800
810	Open Systems DR	81,720	0
811	Office Supplies, Equipment and Maintenance	12,500	12,500
812	Cell Phone	6,000	6,000
813	Electrical Distribution, Maintenance	100,000	100,000
814	Postage/Inter Agency Mail Delivery	4,300	4,000
815	Printing and Binding	3,500	3,500
816	Cabinets, Furniture & Building Changes	100,000	100,000
817	Reserve for Unplanned Expense	300,000	0
818	S390 SoftwarExcel	152,181	152,181
819	Security Services	25,000	0
820	Subscriptions & Publications	5,000	5,000
821	Telephone Service and Equipment	57,500	57,500
822	Training & Professional Development	90,000	10,000
823	Travel	27,500	15,000
824	Resource Oversight	0	108,000
825	VPN - Access Charge	9,268	3,000

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FY14 Budget Detail continued

<u>Item Number</u>	<u>Description</u>	<u>\$ FY13 CAP</u>	<u>\$ FY14 CAP</u>
826	VM Additional Charges for SQL	0	132,317
827	SSL Certificates	20,000	1,000
828	Service Deployment Appliance	0	65,000
829	Shredding	1,500	1,500
830	SAN/NAS Support Line	10,000	10,000
831	Disaster Recovery Rental (Springnet)	112,380	115,000
832	Disaster Recovery Electric (Springnet)	30,000	38,000
833	RedHat/JBoss Support	6,000	6,000
834	Websense Pur/Mtc Recovery	5,000	0
835	AD & Exchange Contractor Services	0	20,000
836	AD & Exchange Training\Travel\Tools for Staff	0	7,000
837	FTP Training\Travel\Tools for Staff	0	0
838	SAN Training\Travel\Tools for Staff	0	15,000
839	SQL Training\Travel\Tools for Staff	0	70,000
840	SharePoint Training\Travel\Tools for Staff	0	0
841	VM Training\Travel\Tools for Staff	0	4,000
842	TSM Training\Travel\Tools for Staff	0	10,000
843	TFS Training\Travel\Tools for Staff	0	300
844	Remote Server Support Training\Travel\Tools for Staff	0	0
845	WAS Training\Travel\Tools for Staff	0	4,500
846	VM Additional Charges for Was	0	14,729
847	VM Additional Charges for FTP	0	0
848	VM Additional Charges for SharePoint Internal	0	0
849	VM Additional Charges for SharePoint External	0	0
850	VM Additional Charges for TFS	0	4,794
851	VM Additional charges for JIRA	0	0
852	VM Additional Charges for SSRS	0	0
853	SSRS Training\Travel\Tools for Staff	0	0
854	Fax Circuit Installation Charge (One-time Cost)	0	292
855	Fax Circuit Charge - 6 PRI Circuits	0	45,960
Total General Support Expense		\$1,363,649	\$1,339,873
Total Expense + Equipment:		\$18,256,273	\$19,807,662
Grand Total		\$25,337,449	\$27,560,914

Utilization Estimates (D)

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FY14 Utilization Estimate Assumptions

The majority of the agency utilization estimates for each of the service categories were based on the 3rd quarter FY13 usage. The 3rd quarter included January, 2013 through March, 2013 data. This was the most recent quarterly data available for completion of the FY14 CAP and is the basis of the FY14 utilization estimates for most agencies. Adjustments to the 3rd quarter data are explained below as well as further explanation of the year to date and current quarter utilization.

Year To Date Utilization: is based on 9 months of actual data (July-12 through Mar-13) annualized. The total utilization for the 9 months is divided by 9 (number of months of data) to equal an average month and then multiplied by 12, for a yearly total. The categories are then increased by the percentages below. Only the Department of Revenue's utilization was estimated using the Year-to-Date data because of its seasonal usage.

Current Quarter Utilization: is based on the most recent quarter (3rd) of actual data annualized. This includes January, February and March, 2013 data. The total utilization for the quarter is divided by 3, (number of months of data) to equal an average month and then multiplied by 12, for a yearly total. The categories are then increased by the percentages below. Agency's FY14 usage was based on the current quarter data except for the Department of Revenue.

Category of Service

Standard Adjustments

CICS Transactions	Straight Utilization, flat growth, no increase for FY14.
CPU	Straight Utilization, flat growth, no increase for FY14.
zOS Enterprise Data Backup (DSM)	Straight Utilization, flat growth, no increase for FY14.
zOS DB2	Straight Utilization, flat growth, no increase for FY14.
zOS Data Storage (DASD)	Straight Utilization, flat growth, no increase for FY14.

Other Utilization Notes

- Utilization estimates for Non Main Frame Categories was supplied by the State Data Center. The Non Main Frame Categories are: AD & Exchange, VM, SAN, Physical Server Support, DistSys Backup-Recovery, WAS, SQL, Remote Server Support, VDI, TFS and Fax.
- Dept. of Revenue is Year To Date Utilization (9 months of actual utilization annualized) as opposed to current quarter.

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FY14 Utilization Estimates by Customer

<u>Agency</u>	<u>CICS Transactions</u>	<u>All Fusion Service Units</u>	<u>CPU Service Units</u>
Senate	75,600	0	84,146,792
House of Representatives	152,684	0	91,948,136
Legislative Research	18,228	0	3,246,352
State Courts Administrator	1,326,860	0	674,159,760
Secretary of State	480,920	0	317,798,565
Auditor	60,860	0	44,819,634
Treasurer	90,240	0	20,492,946
Attorney General	262,776	0	75,979,660
OA/ITSD Systems & Programming	366,048	400,464,648	7,883,632,049
OA/Missouri Ethics Commission	7,356	0	2,745,332
OA/Depty Commissioner	105,580	0	40,944,606
OA/Accounting	4,164,316	0	3,341,453,751
OA/Budget and Planning	202,756	0	48,921,745
OA/ITSD Production	10,390,736	4,187,408	56,983,380,483
OA/Design and Construction	262,304	0	71,227,031
OA/Personnel	10,423,764	0	2,123,579,414
OA/Purchasing	572,644	0	489,424,701
OA/General Services	2,383,652	0	1,009,401,680
OA/Facilities Management	881,000	0	310,315,486
OA/Administrative Hearing Commission	11,144	0	6,872,864
OA/OIT	0	0	0
Dept of Agriculture	514,444	0	242,786,784
Dept of Insurance	415,784	0	409,178,479
Dept of Conservation	779,200	0	383,505,354
Dept of Economic Development	1,843,048	0	3,818,117,631
Dept of Elementary & Secondary ED	2,126,280	0	1,770,159,381
Dept of Higher Education	146,812	0	218,403,094
Dept of Health & SS	25,383,072	0	18,180,422,718
Dept of Transportation	8,480,400	0	3,454,100,603
Dept of Labor & Industrial Relation	167,683,148	13,352	81,959,767,803
Dept of Mental Health	8,695,760	0	14,872,956,350
Dept of Natural Resources	3,245,092	0	7,845,245,584
Dept of Public Safety	2,473,180	0	1,404,857,966
Missouri State Highway Patrol	293,912,000	26,501,044	73,311,616,203
Kansas City Police Dept	192	0	11,028
ReJIS	90,303,488	0	3,980,952,060
Dept of Revenue	150,819,325	0	285,835,065,578
Lottery Commission	179,980	0	42,440,583
State Tax Commission	27,832	0	6,648,936
Highway Reciprocity Commission	0	0	0
Dept of Social Services	1,673,511,176	3,671,156,464	620,355,819,789
Dept of Corrections	8,889,336	0	2,381,154,268
Others	1,287,284	0	915,898,364
Agency Total :	2,472,956,301	4,102,322,916	1,195,013,599,543

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FY14 Utilization Estimates by Customer

<u>Agency</u>	<u>CICS Transactions</u>	<u>All Fusion Service Units</u>	<u>CPU Service Units</u>
FOCUS Job Costs	0	0	0
CICS Job Costs	0	0	0
CPU Job Costs	0	0	0
DB2 Job Costs	0	0	0
IDMS Job Costs	0	0	0
IEF/COOLGen Job Costs	0	0	0
DSM Job Costs	0	0	0
VM Job Costs	0	0	0
AD-Exchange Job Costs	0	0	0
Print Job Costs	0	0	0
VDI Job Costs	0	0	0
Server Support Job Costs	0	0	0
TSM Job Costs	0	0	0
Data Domain Job Costs	0	0	0
SQL Job Costs	0	0	0
FTP Job Costs	0	0	0
SharePoint Internal Job Costs	0	0	0
SharePoint External Job Costs	0	0	0
TFS Job Costs	0	0	0
WAS Job Costs	0	0	0
SSRS Job Costs	0	0	0
JIRA Job Costs	0	0	0
Job Costs :	0	0	0
Grand Total :	2,472,956,301	4,102,322,916	1,195,013,599,543

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FY14 Utilization Estimates by Customer

<u>Agency</u>	<u>DistSys Backup Recovery</u>	<u>zOS Enterprise Data Backup</u>	<u>zOS DB2 Service Units</u>
Senate	0	0	90,532,072
House of Representatives	0	0	97,862,384
Legislative Research	0	0	3,700,404
State Courts Administrator	0	1,340	613,078,832
Secretary of State	0	1,394	326,316,000
Auditor	0	114,171	24,865,552
Treasurer	6,244,362	1,891	20,250,740
Attorney General	0	0	77,432,828
OA/ITSD Systems & Programming	7,434,861	777,557	3,731,275,816
OA/Missouri Ethics Commission	0	0	3,838,224
OA/Depty Commissioner	3,129	0	39,567,452
OA/Accounting	0	2,986	3,103,361,280
OA/Budget and Planning	333	0	37,907,940
OA/ITSD Production	18,387,674	15,658,675	26,190,707,508
OA/Design and Construction	0	748	61,574,840
OA/Personnel	408,634	819	1,635,628,044
OA/Purchasing	57,340	17	200,205,916
OA/General Services	68,510	22,780	834,692,024
OA/Facilities Management	3,938,292	4,309	286,990,092
OA/Administrative Hearing Commission	923,036	0	8,272,988
OA/OIT	0	0	0
Dept of Agriculture	6,244,362	0	273,921,640
Dept of Insurance	6,244,362	4,333	425,298,004
Dept of Conservation	0	0	251,527,456
Dept of Economic Development	18,733,086	311,394	598,932,464
Dept of Elementary & Secondary ED	24,977,447	1	1,765,931,464
Dept of Higher Education	6,244,362	0	166,604,480
Dept of Health & SS	24,977,447	659,653	12,381,947,608
Dept of Transportation	0	612	2,657,793,996
Dept of Labor & Industrial Relation	43,710,533	12,686,475	5,786,355,336
Dept of Mental Health	99,909,790	1,620,716	14,839,264,544
Dept of Natural Resources	74,932,342	631,020	7,376,485,300
Dept of Public Safety	6,244,362	1	1,446,484,844
Missouri State Highway Patrol	0	1,292,424	35,872,791,836
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	56,199,257	24,086,142	147,892,709,249
Lottery Commission	0	0	45,020,884
State Tax Commission	0	3	7,255,872
Highway Reciprocity Commission	0	2,863	0
Dept of Social Services	49,954,895	28,826,678	694,979,042,856
Dept of Corrections	12,488,724	0	2,469,721,796
Others	0	0	818,034,240
Agency Total :	468,327,139	86,709,004	967,443,184,805

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FY14 Utilization Estimates by Customer

<u>Agency</u>	<u>DistSys Backup Recovery</u>	<u>zOS Enterprise Data Backup</u>	<u>zOS DB2 Service Units</u>
FOCUS Job Costs	0	0	0
CICS Job Costs	0	682,476	0
CPU Job Costs	0	31,042,826	0
DB2 Job Costs	0	2,022,202	0
IDMS Job Costs	0	159,223	0
IEF/COOLGen Job Costs	0	0	0
DSM Job Costs	0	0	0
VM Job Costs	0	0	0
AD-Exchange Job Costs	95,040,628	0	0
Print Job Costs	34,404	0	0
VDI Job Costs	0	0	0
Server Support Job Costs	0	0	0
TSM Job Costs	0	0	0
Data Domain Job Costs	0	0	0
SQL Job Costs	24,837,376	0	0
FTP Job Costs	0	0	0
SharePoint Internal Job Costs	0	0	0
SharePoint External Job Costs	0	0	0
TFS Job Costs	59,560	0	0
WAS Job Costs	0	0	0
SSRS Job Costs	0	0	0
JIRA Job Costs	0	0	0
Job Costs :	119,971,968	33,906,727	0
Grand Total :	588,299,107	120,615,731	967,443,184,805

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FY14 Utilization Estimates by Customer

<u>Agency</u>	<u>zOS Data Storage</u>	<u>AD User ID</u>	<u>AD Exchange Mailboxes</u>
Senate	0	48	0
House of Representatives	0	84	0
Legislative Research	0	0	0
State Courts Administrator	3	60	0
Secretary of State	194	1,704	0
Auditor	212	48	0
Treasurer	14	744	0
Attorney General	0	3,804	12
OA/ITSD Systems & Programming	212,643	0	6,252
OA/Missouri Ethics Commission	0	180	372
OA/Depty Commissioner	0	12	792
OA/Accounting	193	0	432
OA/Budget and Planning	0	24	816
OA/ITSD Production	940,845	192	2,532
OA/Design and Construction	15	0	0
OA/Personnel	3,822	84	852
OA/Purchasing	12	60	852
OA/General Services	1,233	192	1,284
OA/Facilities Management	215	588	8,184
OA/Administrative Hearing Commission	0	36	492
OA/OIT	0	4,680	19,980
Dept of Agriculture	0	324	4,464
Dept of Insurance	23	420	8,748
Dept of Conservation	1	108	0
Dept of Economic Development	22,927	18,480	8,040
Dept of Elementary & Secondary ED	0	6,132	19,512
Dept of Higher Education	0	780	1,164
Dept of Health & SS	9,516	6,048	29,028
Dept of Transportation	205	276	0
Dept of Labor & Industrial Relation	495,452	2,244	13,668
Dept of Mental Health	45,162	249,396	82,248
Dept of Natural Resources	7,210	17,592	25,152
Dept of Public Safety	1	1,560	14,748
Missouri State Highway Patrol	54,121	12	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	1,259,089	8,580	21,492
Lottery Commission	0	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	396	0	0
Dept of Social Services	3,436,960	15,276	106,020
Dept of Corrections	0	4,596	163,200
Others	0	84	1,632
Agency Total :	6,490,466	344,448	541,968

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FY14 Utilization Estimates by Customer

<u>Agency</u>	<u>zOS Data Storage</u>	<u>AD User ID</u>	<u>AD Exchange Mailboxes</u>
FOCUS Job Costs	0	0	0
CICS Job Costs	26,201	0	0
CPU Job Costs	629,611	88	1,044
DB2 Job Costs	445,293	0	0
IDMS Job Costs	48,533	0	0
IEF/COOLGen Job Costs	0	0	0
DSM Job Costs	54,750	0	0
VM Job Costs	0	0	0
AD-Exchange Job Costs	0	0	0
Print Job Costs	0	0	0
VDI Job Costs	0	0	0
Server Support Job Costs	0	0	0
TSM Job Costs	0	0	0
Data Domain Job Costs	0	0	0
SQL Job Costs	0	0	0
FTP Job Costs	0	0	0
SharePoint Internal Job Costs	0	0	0
SharePoint External Job Costs	0	0	0
TFS Job Costs	0	0	0
WAS Job Costs	0	0	0
SSRS Job Costs	0	0	0
JIRA Job Costs	0	0	0
Job Costs :	1,204,388	88	1,044
Grand Total :	7,694,854	344,536	543,012

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FY14 Utilization Estimates by Customer

<u>Agency</u>	<u>zOS IDMS</u>	<u>Print (Lines)</u>	<u>Print (Laser)</u>
Senate	0	0	0
House of Representatives	0	0	0
Legislative Research	0	0	0
State Courts Administrator	116,532	0	244
Secretary of State	328	0	0
Auditor	0	0	648
Treasurer	0	0	0
Attorney General	0	0	0
OA/ITSD Systems & Programming	18,024	0	7,354
OA/Missouri Ethics Commission	0	0	0
OA/Depty Commissioner	0	0	0
OA/Accounting	0	196,092	42,616
OA/Budget and Planning	0	0	5,032
OA/ITSD Production	0	0	898,291
OA/Design and Construction	0	0	0
OA/Personnel	9,856	0	6,224
OA/Purchasing	0	0	5,864
OA/General Services	1,328	70,632	83,360
OA/Facilities Management	0	0	19,592
OA/Administrative Hearing Commission	0	0	0
OA/OIT	0	0	0
Dept of Agriculture	0	0	0
Dept of Insurance	18,920	0	0
Dept of Conservation	258,256	0	312
Dept of Economic Development	32,480	0	312
Dept of Elementary & Secondary ED	0	0	0
Dept of Higher Education	0	0	72
Dept of Health & SS	19,553,348	238,684	137,912
Dept of Transportation	36,776	0	132
Dept of Labor & Industrial Relation	628,420	0	8,249
Dept of Mental Health	67,912	0	0
Dept of Natural Resources	0	0	3,068
Dept of Public Safety	0	0	0
Missouri State Highway Patrol	14,928,592	0	31,580
Kansas City Police Dept	44	0	0
ReJIS	14,993,960	0	0
Dept of Revenue	147,004,612	1,229,536	11,579,142
Lottery Commission	0	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	0	0	0
Dept of Social Services	181,622,308	552,708	35,803,740
Dept of Corrections	0	0	0
Others	264,220	0	0
Agency Total :	379,555,916	2,287,652	48,633,744

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FY14 Utilization Estimates by Customer

<u>Agency</u>	<u>zOS IDMS</u>	<u>Print (Lines)</u>	<u>Print (Laser)</u>
FOCUS Job Costs	0	0	0
CICS Job Costs	0	0	748
CPU Job Costs	0	12,576	31,048
DB2 Job Costs	0	0	324
IDMS Job Costs	0	0	0
IEF/COOLGen Job Costs	0	0	0
DSM Job Costs	0	0	0
VM Job Costs	0	0	0
AD-Exchange Job Costs	0	0	0
Print Job Costs	0	0	0
VDI Job Costs	0	0	0
Server Support Job Costs	0	0	0
TSM Job Costs	0	0	0
Data Domain Job Costs	0	0	0
SQL Job Costs	0	0	0
FTP Job Costs	0	0	0
SharePoint Internal Job Costs	0	0	0
SharePoint External Job Costs	0	0	0
TFS Job Costs	0	0	0
WAS Job Costs	0	0	0
SSRS Job Costs	0	0	0
JIRA Job Costs	0	0	0
Job Costs :	0	12,576	32,120
Grand Total :	379,555,916	2,300,228	48,665,864

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FY14 Utilization Estimates by Customer

<u>Agency</u>	<u>VM Images</u>	<u>Physical Server Support</u>	<u>SAN Storage</u>
Senate	0	0	0
House of Representatives	0	0	0
Legislative Research	0	0	0
State Courts Administrator	0	0	0
Secretary of State	0	0	0
Auditor	171	0	62,016
Treasurer	171	0	62,016
Attorney General	0	0	0
OA/ITSD Systems & Programming	784	0	222,529
OA/Missouri Ethics Commission	0	0	0
OA/Depty Commissioner	0	0	42
OA/Accounting	0	0	0
OA/Budget and Planning	15	0	0
OA/ITSD Production	382	156	140,665
OA/Design and Construction	0	0	0
OA/Personnel	0	0	597
OA/Purchasing	0	0	0
OA/General Services	0	0	0
OA/Facilities Management	162	12	62,730
OA/Administrative Hearing Commission	29	0	7,552
OA/OIT	0	0	0
Dept of Agriculture	171	0	62,016
Dept of Insurance	343	24	124,033
Dept of Conservation	0	0	0
Dept of Economic Development	343	132	124,033
Dept of Elementary & Secondary ED	686	0	372,098
Dept of Higher Education	343	0	62,016
Dept of Health & SS	1,543	12	434,114
Dept of Transportation	0	0	0
Dept of Labor & Industrial Relation	686	12	186,049
Dept of Mental Health	1,715	240	868,228
Dept of Natural Resources	686	12	682,179
Dept of Public Safety	343	0	62,016
Missouri State Highway Patrol	0	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	1,715	36	434,114
Lottery Commission	0	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	0	0	0
Dept of Social Services	857	168	310,082
Dept of Corrections	343	0	62,016
Others	0	0	0
Agency Total :	11,488	804	4,341,141

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FY14 Utilization Estimates by Customer

<u>Agency</u>	<u>VM Images</u>	<u>Physical Server Support</u>	<u>SAN Storage</u>
FOCUS Job Costs	0	0	0
CICS Job Costs	0	0	0
CPU Job Costs	0	0	0
DB2 Job Costs	0	0	0
IDMS Job Costs	0	0	0
IEF/COOLGen Job Costs	0	0	0
DSM Job Costs	0	0	0
VM Job Costs	0	0	334,247
AD-Exchange Job Costs	1,227	696	617,056
Print Job Costs	73	0	2,344
VDI Job Costs	0	0	0
Server Support Job Costs	0	0	0
TSM Job Costs	284	0	0
Data Domain Job Costs	0	0	0
SQL Job Costs	3,711	0	906,845
FTP Job Costs	0	0	0
SharePoint Internal Job Costs	0	0	0
SharePoint External Job Costs	0	0	0
TFS Job Costs	45	0	0
WAS Job Costs	0	0	0
SSRS Job Costs	0	0	0
JIRA Job Costs	0	0	0
Job Costs :	5,340	696	1,860,491
Grand Total :	16,828	1,500	6,201,632

State Data Center
Cost Allocation Plan
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FY14 Utilization Estimates by Customer

<u>Agency</u>	<u>WAS Image</u>	<u>VRanger - Data Domain</u>	<u>Remote Server Support</u>
Senate	0	0	0
House of Representatives	0	0	0
Legislative Research	0	0	0
State Courts Administrator	0	0	0
Secretary of State	0	0	0
Auditor	0	0	0
Treasurer	0	0	0
Attorney General	0	0	0
OA/ITSD Systems & Programming	0	0	0
OA/Missouri Ethics Commission	0	0	0
OA/Depty Commissioner	0	0	0
OA/Accounting	25	0	0
OA/Budget and Planning	0	0	0
OA/ITSD Production	0	0	264
OA/Design and Construction	0	0	0
OA/Personnel	0	0	0
OA/Purchasing	0	0	0
OA/General Services	0	0	0
OA/Facilities Management	0	0	108
OA/Administrative Hearing Commission	0	0	0
OA/OIT	0	0	0
Dept of Agriculture	0	0	0
Dept of Insurance	0	0	108
Dept of Conservation	0	0	0
Dept of Economic Development	0	0	12
Dept of Elementary & Secondary ED	0	0	468
Dept of Higher Education	27	0	0
Dept of Health & SS	0	0	228
Dept of Transportation	0	0	0
Dept of Labor & Industrial Relation	34	0	180
Dept of Mental Health	0	0	1,728
Dept of Natural Resources	28	0	288
Dept of Public Safety	0	0	240
Missouri State Highway Patrol	0	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	27	0	72
Lottery Commission	0	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	0	0	0
Dept of Social Services	0	0	2,304
Dept of Corrections	27	0	1,176
Others	0	0	0
Agency Total :	168	0	7,176

State Data Center
Cost Allocation Plan
Fiscal Year 2014



FY14 Utilization Estimates by Customer

<u>Agency</u>	<u>WAS Image</u>	<u>VRanger - Data Domain</u>	<u>Remote Server Support</u>
FOCUS Job Costs	0	0	0
CICS Job Costs	0	0	0
CPU Job Costs	0	0	0
DB2 Job Costs	0	0	0
IDMS Job Costs	0	0	0
IEF/COOLGen Job Costs	0	0	0
DSM Job Costs	0	0	0
VM Job Costs	0	0	0
AD-Exchange Job Costs	0	0	504
Print Job Costs	0	0	0
VDI Job Costs	0	0	0
Server Support Job Costs	0	0	0
TSM Job Costs	0	0	0
Data Domain Job Costs	0	0	0
SQL Job Costs	0	0	0
FTP Job Costs	0	0	0
SharePoint Internal Job Costs	0	0	0
SharePoint External Job Costs	0	0	0
TFS Job Costs	0	0	0
WAS Job Costs	0	0	0
SSRS Job Costs	0	0	0
JIRA Job Costs	0	0	0
Job Costs :	0	0	504
Grand Total :	168	0	7,680

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Utilization Estimates by Customer

<u>Agency</u>	<u>VDI</u>	<u>SQL Base</u>	<u>SQL Memory</u>
Senate	0	0	0
House of Representatives	0	0	0
Legislative Research	0	0	0
State Courts Administrator	0	0	0
Secretary of State	16	0	0
Auditor	0	0	0
Treasurer	0	0	0
Attorney General	0	0	0
OA/ITSD Systems & Programming	4,097	791	254
OA/Missouri Ethics Commission	0	0	0
OA/Depty Commissioner	160	10	3
OA/Accounting	160	0	0
OA/Budget and Planning	112	5	2
OA/ITSD Production	1,109	10,145	3,255
OA/Design and Construction	0	15	5
OA/Personnel	145	99	32
OA/Purchasing	0	15	5
OA/General Services	514	214	69
OA/Facilities Management	129	826	265
OA/Administrative Hearing Commission	0	30	9
OA/OIT	0	0	0
Dept of Agriculture	161	663	213
Dept of Insurance	2,507	515	165
Dept of Conservation	0	10	3
Dept of Economic Development	1,350	660	212
Dept of Elementary & Secondary ED	1,173	3,043	976
Dept of Higher Education	64	196	63
Dept of Health & SS	2,973	3,119	1,001
Dept of Transportation	0	0	0
Dept of Labor & Industrial Relation	1,591	251	81
Dept of Mental Health	594	13,572	4,355
Dept of Natural Resources	2,732	319	102
Dept of Public Safety	755	751	241
Missouri State Highway Patrol	0	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	2,057	2,824	906
Lottery Commission	0	0	0
State Tax Commission	129	20	7
Highway Reciprocity Commission	0	0	0
Dept of Social Services	7,070	936	300
Dept of Corrections	402	91	29
Others	0	0	0
Agency Total :	30,000	39,120	12,553

State Data Center
Cost Allocation Plan
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FY14 Utilization Estimates by Customer

<u>Agency</u>	<u>VDI</u>	<u>SQL Base</u>	<u>SQL Memory</u>
FOCUS Job Costs	0	0	0
CICS Job Costs	0	0	0
CPU Job Costs	0	0	0
DB2 Job Costs	0	0	0
IDMS Job Costs	0	0	0
IEF/COOLGen Job Costs	0	0	0
DSM Job Costs	0	0	0
VM Job Costs	0	0	0
AD-Exchange Job Costs	0	0	0
Print Job Costs	0	0	0
VDI Job Costs	0	0	0
Server Support Job Costs	0	0	0
TSM Job Costs	0	0	0
Data Domain Job Costs	0	0	0
SQL Job Costs	0	0	0
FTP Job Costs	0	0	0
SharePoint Internal Job Costs	0	0	0
SharePoint External Job Costs	0	0	0
TFS Job Costs	0	59	19
WAS Job Costs	0	0	0
SSRS Job Costs	0	0	0
JIRA Job Costs	0	0	0
Job Costs :	0	59	19
Grand Total :	30,000	39,179	12,572

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



FY14 Utilization Estimates by Customer

<u>Agency</u>	<u>SQL Overage</u>	<u>SQL License</u>	<u>TFS</u>
Senate	0	0	0
House of Representatives	0	0	0
Legislative Research	0	0	0
State Courts Administrator	0	0	0
Secretary of State	0	0	0
Auditor	0	0	0
Treasurer	0	0	0
Attorney General	0	0	0
OA/TTSD Systems & Programming	9,662	91	0
OA/Missouri Ethics Commission	0	0	0
OA/Depty Commissioner	124	1	0
OA/Accounting	0	0	17
OA/Budget and Planning	62	1	0
OA/TTSD Production	123,980	1,164	2
OA/Design and Construction	185	2	0
OA/Personnel	1,207	11	0
OA/Purchasing	185	2	0
OA/General Services	2,615	25	0
OA/Facilities Management	10,090	95	0
OA/Administrative Hearing Commission	361	3	0
OA/OIT	0	0	0
Dept of Agriculture	8,102	76	5
Dept of Insurance	6,294	59	5
Dept of Conservation	124	1	0
Dept of Economic Development	8,063	76	18
Dept of Elementary & Secondary ED	37,187	349	18
Dept of Higher Education	2,401	23	0
Dept of Health & SS	38,119	358	0
Dept of Transportation	0	0	0
Dept of Labor & Industrial Relation	3,069	29	17
Dept of Mental Health	165,851	1,557	15
Dept of Natural Resources	3,896	37	5
Dept of Public Safety	9,177	86	0
Missouri State Highway Patrol	0	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	34,510	324	15
Lottery Commission	0	0	0
State Tax Commission	248	2	0
Highway Reciprocity Commission	0	0	0
Dept of Social Services	11,439	107	15
Dept of Corrections	1,109	10	0
Others	0	0	0
Agency Total :	478,060	4,489	132

State Data Center
Cost Allocation Plan
Fiscal Year 2014



FY14 Utilization Estimates by Customer

<u>Agency</u>	<u>SQL Overage</u>	<u>SQL License</u>	<u>TFS</u>
FOCUS Job Costs	0	0	0
CICS Job Costs	0	0	0
CPU Job Costs	0	0	0
DB2 Job Costs	0	0	0
IDMS Job Costs	0	0	0
IEF/COOLGen Job Costs	0	0	0
DSM Job Costs	0	0	0
VM Job Costs	0	0	0
AD-Exchange Job Costs	0	0	0
Print Job Costs	0	0	0
VDI Job Costs	0	0	0
Server Support Job Costs	0	0	0
TSM Job Costs	0	0	0
Data Domain Job Costs	0	0	0
SQL Job Costs	0	0	0
FTP Job Costs	0	0	0
SharePoint Internal Job Costs	0	0	0
SharePoint External Job Costs	0	0	0
TFS Job Costs	725	7	0
WAS Job Costs	0	0	0
SSRS Job Costs	0	0	0
JIRA Job Costs	0	0	0
Job Costs :	<u>725</u>	<u>7</u>	<u>0</u>
Grand Total :	478,785	4,496	132

State Data Center
Cost Allocation Plan
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FY14 Utilization Estimates by Customer

<u>Agency</u>	<u>Enterprise Fax Services</u>
Senate	0
House of Representatives	0
Legislative Research	0
State Courts Administrator	0
Secretary of State	0
Auditor	0
Treasurer	0
Attorney General	0
OA/ITSD Systems & Programming	0
OA/Missouri Ethics Commission	0
OA/Depty Commissioner	0
OA/Accounting	0
OA/Budget and Planning	0
OA/ITSD Production	526
OA/Design and Construction	0
OA/Personnel	0
OA/Purchasing	0
OA/General Services	0
OA/Facilities Management	0
OA/Administrative Hearing Commission	0
OA/OIT	239,209
Dept of Agriculture	1,037
Dept of Insurance	580
Dept of Conservation	0
Dept of Economic Development	0
Dept of Elementary & Secondary ED	2,750
Dept of Higher Education	0
Dept of Health & SS	36,089
Dept of Transportation	344,035
Dept of Labor & Industrial Relation	2,076,872
Dept of Mental Health	4,412
Dept of Natural Resources	0
Dept of Public Safety	4,880
Missouri State Highway Patrol	0
Kansas City Police Dept	0
ReJIS	0
Dept of Revenue	595,462
Lottery Commission	0
State Tax Commission	0
Highway Reciprocity Commission	0
Dept of Social Services	18
Dept of Corrections	1
Others	0
Agency Total :	3,305,871

State Data Center
Cost Allocation Plan
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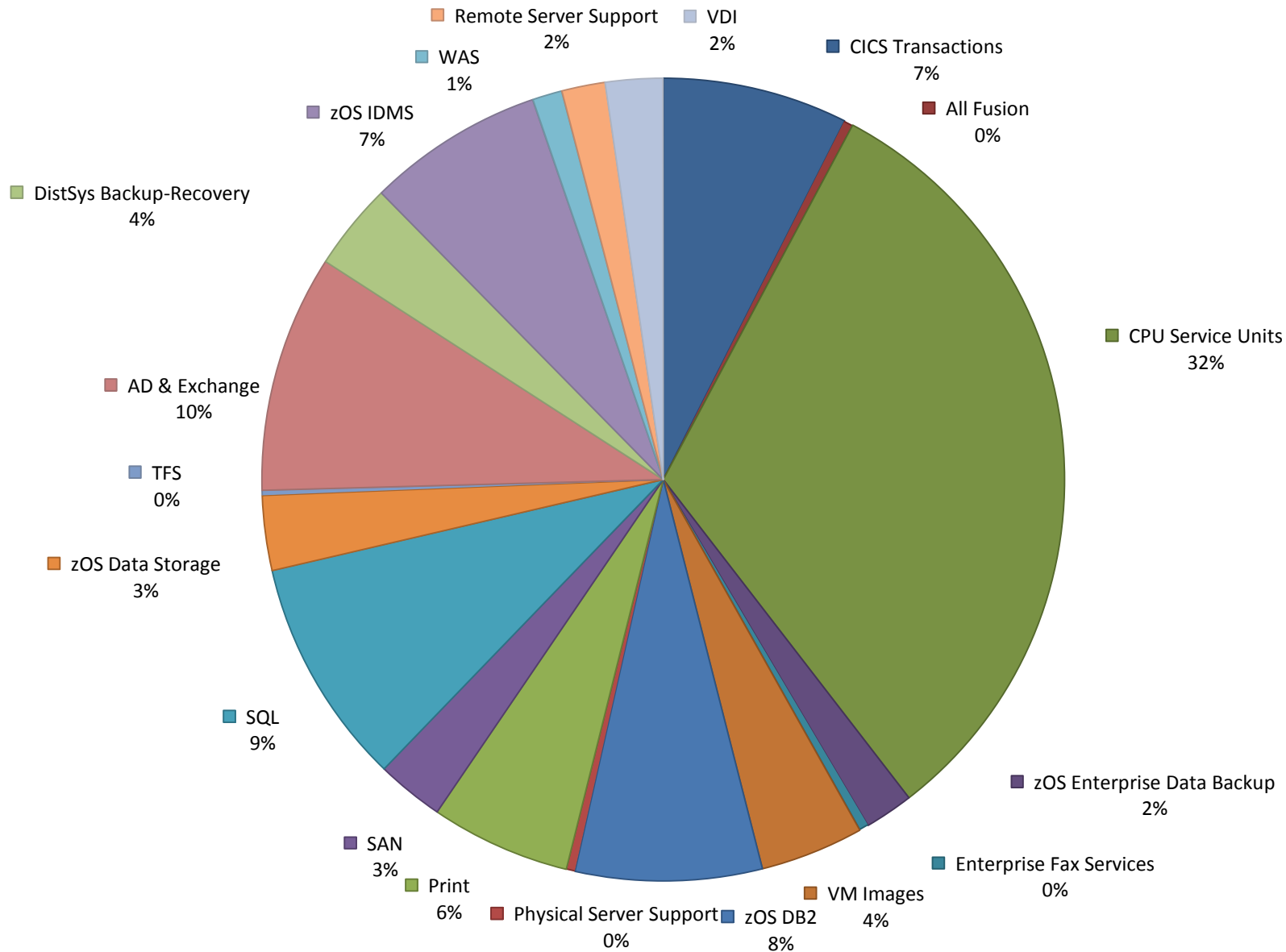


FY14 Utilization Estimates by Customer

<u>Agency</u>	<u>Enterprise Fax Services</u>
FOCUS Job Costs	0
CICS Job Costs	0
CPU Job Costs	0
DB2 Job Costs	0
IDMS Job Costs	0
IEF/COOLGen Job Costs	0
DSM Job Costs	0
VM Job Costs	0
AD-Exchange Job Costs	0
Print Job Costs	0
VDI Job Costs	0
Server Support Job Costs	0
TSM Job Costs	0
Data Domain Job Costs	0
SQL Job Costs	0
FTP Job Costs	0
SharePoint Internal Job Costs	0
SharePoint External Job Costs	0
TFS Job Costs	0
WAS Job Costs	0
SSRS Job Costs	0
JIRA Job Costs	0
Job Costs :	0
Grand Total :	3,305,871

Billing Rate Derivation (E)

FY14 State Data Center Percent of Total Cost per Rate Category



**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Billing Rate Derivation
State Data Center**

Category #1

Unit of Service: Lines/Feet Printed
Estimated Utilization: 48,693,300

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	\$ <u>FY13 CAP</u>	\$ <u>FY14 CAP</u>
2	Computer Operations Personnel	204,194	206,201
3	Technical Support Personnel	0	0
4	Fringe Benefits	83,720	84,543
	Total Personnel	\$287,914	\$290,744
116	InfoPrint 4000 Upgrade	300,000	0
	Total Hardware Lease	\$300,000	\$0
222	Print Unwinder/Job Sep/CTS	85,825	90,000
223	Printer Usage	181,000	205,000
224	Printer-Impact	1,500	5,200
225	Printer-Laser	86,967	78,000
	Total Hardware Maintenance	\$355,292	\$378,200
311	AFP Toolbox (Toolkit)	3,540	3,540
328	OGL/370 V1	5,220	7,830
330	Page Print Format Aid/370 V1	3,660	3,660
332	PSF/MVS	20,748	65,000
	Total Software Lease	\$33,168	\$80,030
456	Distributed Print Software Maintenance	0	30,545
	Total Software Maintenance	\$0	\$30,545
520	InfoPrint Hardware Purchase	0	66,667
	Total Hardware Purchase	\$0	\$66,667
602	Distributed Print Software	0	27,333
	Total Software Purchase	\$0	\$27,333
704	Paper	285,000	335,000
705	Paper Storage and Transport Transfer	10,750	0
706	Printer Supplies	195,000	205,000
	Total Expendable Supplies	\$490,750	\$540,000
829	Shredding	1,500	1,500
	Total General Support Expense	\$1,500	\$1,500

State Data Center
Cost Allocation Plan
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Print Rate Derivation continued

<u>Item</u>	<u>Description</u>	<u>\$ FY13 CAP</u>	<u>\$ FY14 CAP</u>
Total Expense + Equipment:		\$1,180,710	\$1,124,275
Total Personnel and Expense + Equipment:		\$1,468,624	\$1,415,019
Indirect Costs Allocated:		\$176,718	\$127,405
Job Costs:			
	SAN		\$404
	VM		\$7,297
	DistSys Backup-Recovery		\$71
Total JobCosts:		\$4,720	\$7,772
Total Costs:		\$1,650,063	\$1,550,196

Rate Calculation Laser Feet Printed:

Total Costs/Utilization

$$\frac{\$1,550,196}{48,693,300} = \$0.03184 \text{ per foot}$$

Rate Calculation Duplex Printed:

Laser Rate x .80

$$\$0.03184 \times .80 = \$0.02547 \text{ per foot}$$

Rate Calculation Impact Print

Laser Rate / 83.83 * 1,000

$$\$0.03184 / 83.833 \times 1,000 = \$0.37973 \text{ per 1,000 lines}$$

**State Data Center
Cost Allocation Plan
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**FY14 Billing Rate Derivation
State Data Center**

Category #2

Unit of Service: CPU Service Units
Estimated Utilization: 1,195,013,599,543

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	<u>\$ FY13 CAP</u>	<u>\$ FY14 CAP</u>
2	Computer Operations Personnel	632,030	638,242
3	Technical Support Personnel	534,219	402,922
4	Fringe Benefits	478,162	426,877
	Total Personnel	\$1,644,412	\$1,468,041
103	CPU Lease	0	420,000
104	CPU Annual Growth Upgrades	642,800	0
108	Disaster Recovery CPU (Springfield Site)	242,823	242,823
	Total Hardware Lease	\$885,623	\$662,823
204	CPU Maintenance	398,839	418,781
214	External Coupling Facility	21,857	22,950
230	Service Processor	723	1,800
239	Batteries/UPS Maintenance	0	50,276
240	Generator Maintenance	0	7,741
241	Console Support Controller	1,290	0
	Total Hardware Maintenance	\$422,709	\$501,548
301	ACF/NCP	10,380	10,380
302	ACF/SSP	19,080	19,080
304	ASF V3 Base plus Document Writing	23,232	23,232
305	BMC Mainview	71,600	71,600
308	COBOL for OS/390 & VM Alt	132,828	132,828
309	MacKinney Software	8,093	7,245
310	DCF Base	27,960	27,960
319	IBM Websphere App Svr V5 (WAS for z/OS)	63,771	177,000
321	Interactive Output Facility (IOF)	6,321	5,800
329	OS/390 Version 2	2,044,945	1,965,000
331	PL/1 Alternate Function	120,396	140,568
	Total Software Lease	\$2,528,606	\$2,580,693
404	CA Intertest W/XA-ESA-Batch	76,240	83,864
406	CA Librarian	171,626	188,788

**State Data Center
Cost Allocation Plan
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CPU Rate Derivation continued

<u>Item Number</u>	<u>Description</u>	<u>\$ FY13 CAP</u>	<u>\$ FY14 CAP</u>
408	CA Restart/Recover (CA11)	55,377	60,915
410	CA Scheduling Package (CA7)	163,317	179,649
413	IBM Tivoli Omegamon DE V3	45,813	45,813
414	IBM Tivoli Omegamon XE CICS V3	45,813	45,813
415	CL/Supersession for z/OS	48,104	48,104
417	IBM Tivoli Omegamon XE z/OS V2	91,626	91,626
418	Catalog/ Disk / HSM Audit and Recovery Utilities	21,820	27,225
420	Allen System Group Job Scan/Docu Text	43,859	43,859
421	Document Management Systems (MOBIUS)	87,486	87,486
422	Dumpmaster MVS	104,895	104,895
423	Group 1 Software MailStream Plus	10,766	21,434
424	Group 1 Software Zip+4 (Code-1 Plus)	24,690	25,925
425	IBIFOCUS	0	515,000
429	Insync MVS	89,817	89,817
430	IPSwitch Renewal	6,500	6,500
431	TicToc	7,608	7,608
433	LOTUS Domino V6	13,886	0
434	Connect:Direct	12,000	12,000
435	Merrill Consultants MXG	3,000	0
436	MVS Quick Reference	37,192	31,250
443	SAS Base	153,050	153,050
444	SAS/ STAT	96,780	96,780
445	SAS/ACCESS	96,780	96,780
447	SAS/ETS	48,390	48,390
452	SI SyncSort	18,688	20,811
454	SPC Systems - COBOL Report Writer Precompiler	2,849	2,849
463	Vanguard Security Reporter	51,507	51,505
466	BMC Event Manager	15,000	0
472	SDI TN3270 Emulation	13,500	11,128
475	GSF STEPLIB/LLIBEF	3,000	3,000
	Total Software Maintenance	\$1,660,979	\$2,201,864
506	Desktop Computer Equipment	0	6,681
509	Tools for Staff	0	38,000
	Total Hardware Purchase	\$0	\$44,681

**State Data Center
Cost Allocation Plan
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CPU Rate Derivation continued

<u>Item</u> <u>Number</u>	<u>Description</u>	\$ <u>FY13 CAP</u>	\$ <u>FY14 CAP</u>
603	Software Upgrade	0	0
	Total Software Purchase	\$0	\$0
703	Network Supplies	5,000	0
	Total Expendable Supplies	\$5,000	\$0
818	S390 SoftwarExcel	152,181	152,181
831	Disaster Recovery Rental (Springnet)	112,380	115,000
832	Disaster Recovery Electric (Springnet)	30,000	38,000
	Total General Support Expense	\$294,561	\$305,181
Total Expense + Equipment:		\$5,797,478	\$6,296,790
Total Personnel and Expense + Equipment:		\$7,441,890	\$7,764,831
Indirect Costs Allocated:		\$895,477	\$699,127
 Job Costs:			
	Lines Printed		\$5
	zOS Enterprise Data Backup		\$192,661
	Laser Feet Printed		\$988
	zOS Data Storage		\$80,679
	AD		\$67
	AD - Exchange		\$4,558
Total JobCosts:		\$715,602	\$278,958
Total Costs:		\$9,052,970	\$8,742,917

Rate Calculation:

Total Costs/Utilization

$$\frac{\$8,742,917}{1,195,013,599,543} \times 1,000 = \$0.00732 \text{ per 1,000 Service Units}$$

Prime\Peak Time Utilization for CPU will be billed at 100% of the CPU Rate.

Non-Prime\Off Hours Utilization for CPU will be billed at 75% of the CPU Rate.

Low Priority Utilizaion for CPU will be billed at 65% of the CPU Rate.

**State Data Center
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**FY14 Billing Rate Derivation
State Data Center**

Category #3

Unit of Service: CICS Transactions
Estimated Utilization: 2,472,956,301

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	<u>\$ FY13 CAP</u>	<u>\$ FY14 CAP</u>
2	Computer Operations Personnel	58,341	58,915
3	Technical Support Personnel	178,073	115,120
4	Fringe Benefits	96,930	71,354
	Total Personnel	\$333,344	\$245,390
306	CICS Transaction Gateway	48,585	48,585
307	CICS/TS V5	1,093,296	1,093,296
324	WebSphere MQ for Z/OS	349,596	459,710
333	SDF II MVS	27,300	27,300
	Total Software Lease	\$1,518,777	\$1,628,891
405	CA Interrest W/XA-ESA-CICS	105,282	0
	Total Software Maintenance	\$105,282	\$0
Total Expense + Equipment:		\$1,624,059	\$1,628,891
Total Personnel and Expense + Equipment:		\$1,957,403	\$1,874,281
Indirect Costs Allocated:		\$235,533	\$168,756
Job Costs:			
	zOS Enterprise Data Backup		\$4,236
	Laser Feet Printed		\$24
	zOS Data Storage		\$3,357
Total JobCosts:		\$9,445	\$7,617
Total Costs:		\$2,202,381	\$2,050,653

Rate Calculation:

Total Costs/Utilization

$$\frac{\$2,050,653}{2,472,956,301} = \$0.00083 \text{ per Transaction}$$

State Data Center
Cost Allocation Plan
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**FY14 Billing Rate Derivation
State Data Center**

Category #5

Unit of Service: zOS Enterprise Data Backup/Gigabyte Day
Estimated Utilization: 120,615,731

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	\$ <u>FY13 CAP</u>	\$ <u>FY14 CAP</u>
2	Computer Operations Personnel	136,130	137,468
3	Technical Support Personnel	148,394	143,901
4	Fringe Benefits	116,655	115,361
	Total Personnel	\$401,179	\$396,729
111	High Density Tape Drive (VTSM) Growth	50,000	170,000
	Total Hardware Lease	\$50,000	\$170,000
233	GTX Qualifier Maintenance	2,000	2,800
234	Tape Unit	41,864	0
237	Virtual Tape	0	10,300
	Total Hardware Maintenance	\$43,864	\$13,100
411	CA TMS (CA1)	60,977	67,075
460	Tivoli Storage Management	25,441	25,500
471	Catalog/ Disk / HSM Audit and Recovery Utilities - zOS Enterpr	5,405	5,405
	Total Software Maintenance	\$91,823	\$97,980
701	Magnetic Tapes & Supplies	60,000	2,500
	Total Expendable Supplies	\$60,000	\$2,500

State Data Center
Cost Allocation Plan
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zOS Enterprise Data Backup Rate Derivation continued

<u>Item</u>	<u>Description</u>	<u>\$ FY13 CAP</u>	<u>\$ FY14 CAP</u>
Total Expense + Equipment:		\$245,687	\$283,580
Total Personnel and Expense + Equipment:		\$646,866	\$680,309
Indirect Costs Allocated:		\$77,837	\$61,253
Job Costs:			
	zOS Data Storage		\$7,016
Total JobCosts:		\$7,373	\$7,016
Total Costs:		\$732,075	\$748,578

Rate Calculation:

Total Costs/Utilization

\$748,578
120,615,731

= \$0.00621 per Gigabyte per day

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Billing Rate Derivation
State Data Center**

Category #7

Unit of Service: Mailboxes
Estimated Utilization: 543,012 AD and Exchange Mailboxes
 344,536 AD User IDs

Estimated Cost:

Item Number	Description	\$ FY13 CAP	\$ FY14 CAP
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	652,935	531,857
4	Fringe Benefits	267,703	218,061
	Total Personnel	\$920,638	\$749,918
242	Servers - Maintenance Renewals	35,400	13,470
	Total Hardware Maintenance	\$35,400	\$13,470
343	Antivirus For Exchange	25,000	125,000
	Total Software Lease	\$25,000	\$125,000
437	Microsoft Premiere Support	31,000	31,000
438	SSL Certificates	0	1,375
460	Tivoli Storage Management	23,845	0
474	Server Software - Maintenance Renewals - AD & Exchange	235,202	266,519
	Total Software Maintenance	\$290,047	\$298,894
504	SAN - New/Replacement Purchases	165,876	117,960
505	Deduplication/Replication Purchase - AD & Exchange	35,210	28,695
510	Servers - New/Replacement Purchases	0	58,334
511	TSM Hardware Purchase - AD & Exchange	528,663	66,951
514	VM Hardware Purchase	75,430	0
	Total Hardware Purchase	\$805,179	\$271,940
605	Fax Services	62,000	0
610	Trend Micro ScanMail Security Software	0	98,500
611	ISA for Webmail Software	0	2,880
612	Enterprise Vault Software Upgrade	0	220,000
	Total Software Purchase	\$62,000	\$321,380
808	MAN Connection/ANS Support/RLS Charges	0	112,800
835	AD & Exchange Contractor Services	0	20,000
836	AD & Exchange Training\Travel\Tools for Staff	0	7,000
	Total General Support Expense	\$0	\$139,800
Total Expense + Equipment:		\$1,217,626	\$1,170,484
Total Personnel and Expense + Equipment:		\$2,138,264	\$1,920,402

**State Data Center
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AD - Exchange Rate Derivation continued

<u>Item</u> <u>Number</u>	<u>Description</u>	\$ <u>FY13 CAP</u>	\$ <u>FY14 CAP</u>
Indirect Costs Allocated:		<u>\$257,296</u>	<u>\$172,908</u>
Job Costs:			
	SAN		\$106,390
	Physical Server Support		\$82,098
	VM		\$122,377
	DistSys Backup-Recovery		\$195,977
	Remote Server Support		\$33,802
Total JobCosts:		<u>\$485,498</u>	<u>\$540,644</u>
Total Costs:		<u>\$2,881,058</u>	<u>\$2,633,954</u>

Rate Calculation AD User ID:

10% Total Costs/Utilization

$$\frac{\$263,395}{344,536} = \$0.76449 \text{ Monthly AD User ID Rate}$$

Rate Calculation AD - Exchange Mailbox (Includes AD User ID Rate):

90% Total Costs/Utilization

$$\frac{\$2,370,558}{543,012} = \$4.36557 \text{ Monthly AD - Exchange Mailbox Rate}$$

**State Data Center
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**FY14 Billing Rate Derivation
State Data Center**

Category #8

Unit of Service: zOS Data Storage Gigabyte/Day
Estimated Utilization: 7,694,854

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	<u>\$ FY13 CAP</u>	<u>\$ FY14 CAP</u>
2	Computer Operations Personnel	38,894	39,276
3	Technical Support Personnel	59,358	57,560
4	Fringe Benefits	40,283	39,703
	Total Personnel	\$138,535	\$136,540
105	DASD Lease	0	135,600
106	DASD Growth	330,400	255,000
	Total Hardware Lease	\$330,400	\$390,600
205	DASD Maintenance	53,905	68,000
236	FICON Directors	51,158	85,500
	Total Hardware Maintenance	\$105,063	\$153,500
303	Softek TDMF Replicator for zOS	22,365	23,483
313	DSF/DSS/HSM OS/390 V2	140,453	140,453
	Total Software Lease	\$162,818	\$163,936
426	IBM Storage Volume Controller (SVC)	115,000	0
427	IBM TotalStorage Productivity Center (TPC)	110,150	60,000
	Total Software Maintenance	\$225,150	\$60,000
Total Expense + Equipment:		\$823,431	\$768,036
Total Personnel and Expense + Equipment:		\$961,966	\$904,576
Indirect Costs Allocated:		\$115,753	\$81,446
Total Costs:		\$1,077,719	\$986,022

Rate Calculation:

Total Costs/Utilization

\$986,022
7,694,854

= \$0.12814 per Gigabyte per day

State Data Center
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**FY14 Billing Rate Derivation
State Data Center**

Category #10

Unit of Service: zOS IDMS Run Units
Estimated Utilization: 379,555,916

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	<u>\$ FY13 CAP</u>	<u>\$ FY14 CAP</u>
2	Computer Operations Personnel	38,894	39,276
3	Technical Support Personnel	74,197	71,950
4	Fringe Benefits	46,367	45,603
	Total Personnel	\$159,459	\$156,830
412	CA UNIPAK	1,486,093	1,634,702
	Total Software Maintenance	\$1,486,093	\$1,634,702
Total Expense + Equipment:		\$1,486,093	\$1,634,702
Total Personnel and Expense + Equipment:		\$1,645,552	\$1,791,532
Indirect Costs Allocated:		\$198,008	\$161,305
Job Costs:			
	zOS Enterprise Data Backup		\$988
	zOS Data Storage		\$6,219
Total JobCosts:		\$6,733	\$7,207
Total Costs:		\$1,850,293	\$1,960,044

Rate Calculation:

Total Costs/Utilization

$$\frac{\$1,960,044}{379,555,916} = \$0.00516 \text{ per Run Unit}$$

**State Data Center
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**FY14 Billing Rate Derivation
State Data Center**

Category #11

Unit of Service: zOS DB2 Service Units
Estimated Utilization: 967,443,184,805

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	<u>\$ FY13 CAP</u>	<u>\$ FY14 CAP</u>
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	237,431	230,241
4	Fringe Benefits	97,347	94,399
	Total Personnel	\$334,777	\$324,640
338	DB2 EOS v10	947,832	976,267
341	UDB - DB2 Utilities Suite	30,261	30,261
	Total Software Lease	\$978,093	\$1,006,528
416	IBM Tivoli Omegamon XE DB2 V4	96,512	96,512
419	DB2 Connect	37,247	37,247
432	DB2 LUW	7,894	8,684
440	Platinum DB2 Tools	345,036	345,036
441	RevealNet Reveal for DB2	2,760	0
464	DB2 Buffer Pool Tool	19,425	19,425
	Total Software Maintenance	\$508,874	\$506,904
Total Expense + Equipment:		\$1,486,967	\$1,513,432
Total Personnel and Expense + Equipment:		\$1,821,744	\$1,838,072
Indirect Costs Allocated:		\$219,209	\$165,496
Job Costs:			
	zOS Enterprise Data Backup		\$12,550
	Laser Feet Printed		\$10
	zOS Data Storage		\$57,060
Total JobCosts:		\$55,268	\$69,621
Total Costs:		\$2,096,221	\$2,073,188

Rate Calculation:

Total Costs/Utilization

$$\frac{\$2,073,188}{967,443,184,805} \times 1,000 = \$0.00214 \text{ per 1,000 Service Units}$$

State Data Center
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**FY14 Billing Rate Derivation
State Data Center**

Category #14

Unit of Service: All Fusion CPU Service Units
Estimated Utilization: 4,102,322,916

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	\$ <u>FY13 CAP</u>	\$ <u>FY14 CAP</u>
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	44,518	43,170
4	Fringe Benefits	18,252	17,700
	Total Personnel	\$62,771	\$60,870
403	CA All Fusion	29,939	32,933
	Total Software Maintenance	\$29,939	\$32,933
Total Expense + Equipment:		\$29,939	\$32,933
Total Personnel and Expense + Equipment:		\$92,710	\$93,803
Indirect Costs Allocated:		\$11,156	\$8,446
Total Costs:		\$103,866	\$102,249

Rate Calculation:

Total Costs/Utilization

$$\frac{\$102,249}{4,102,322,916} \times 1,000 = \$0.02492 \text{ per 1,000 Service Units}$$

**State Data Center
Cost Allocation Plan
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**FY14 Billing Rate Derivation
State Data Center**

Category #15

Unit of Service: VM
Estimated Utilization: 16,828

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	\$ <u>FY13 CAP</u>	\$ <u>FY14 CAP</u>
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	148,394	143,901
4	Fringe Benefits	60,842	58,999
	Total Personnel	\$209,236	\$202,900
117	VM Hardware Lease	0	324,730
	Total Hardware Lease	\$0	\$324,730
238	VM Server and Storage Maintenance	40,558	48,900
	Total Hardware Maintenance	\$40,558	\$48,900
335	Red Hat Enterprise\Network Satellite	18,689	24,400
339	Symantic EndPoint Protection Subscription - VM	0	22,838
340	Microsoft Server Operating System Subscription	0	78,000
	Total Software Lease	\$18,689	\$125,238
479	VMWare vSphere License Maintenance	0	207,075
	Total Software Maintenance	\$0	\$207,075
514	VM Hardware Purchase	160,000	310,490
	Total Hardware Purchase	\$160,000	\$310,490
607	VM Software Purchase	60,000	128,775
613	BMC ProactiveNet Performance Management Suite	0	110,000
	Total Software Purchase	\$60,000	\$238,775
807	IBM Server Support Line	0	25,000
841	VM Training\Travel\Tools for Staff	0	4,000
	Total General Support Expense	\$0	\$29,000
Total Expense + Equipment:		\$279,247	\$1,284,208
Total Personnel and Expense + Equipment:		\$488,483	\$1,487,108
Indirect Costs Allocated:		\$58,779	\$133,896
Job Costs:			

State Data Center
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VM Rate Derivation continued

<u>Item</u>	<u>Description</u>	<u>\$</u> <u>FY13 CAP</u>	<u>\$</u> <u>FY14 CAP</u>
	SAN Storage		\$57,629
Total JobCosts:		\$83,947	\$57,629
Total Costs:		\$631,208	\$1,678,633

Rate Calculation:

Total Costs/Utilization

$$\frac{\$1,678,633}{16,828} = \$99.75165 \text{ per Image per Month}$$

An Additional charger of \$5 per Month extra for every one (1) gb of memory over our standard Configuration.

An Additional charger of \$11 per Month extra for every one (1) additional virtual CPU over 3 vCPUs.

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**FY14 Billing Rate Derivation
State Data Center**

Category #16

Unit of Service: SAN
Estimated Utilization: 6,201,632

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	\$ <u>FY13 CAP</u>	\$ <u>FY14 CAP</u>
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	59,358	143,901
4	Fringe Benefits	24,337	58,999
	Total Personnel	\$83,694	\$202,900
113	SAN DASD	85,236	414,000
	Total Hardware Lease	\$85,236	\$414,000
231	SAN Server and Storage Maintenance	252,891	183,800
245	SVC Hardware Maintenance	0	2,500
	Total Hardware Maintenance	\$252,891	\$186,300
477	SAN Software	150,000	132,200
480	SolarWinds Storage Manager Maintenance	0	7,200
	Total Software Maintenance	\$150,000	\$139,400
519	SAN Hardware Upgrade	0	13,333
	Total Hardware Purchase	\$0	\$13,333
830	SAN/NAS Support Line	0	10,000
838	SAN Training\Travel\Tools for Staff	0	15,000
	Total General Support Expense	\$0	\$25,000
Total Expense + Equipment:		\$488,127	\$778,033
Total Personnel and Expense + Equipment:		\$571,821	\$980,933
Indirect Costs Allocated:		\$68,807	\$88,321
Total Costs:		\$640,628	\$1,069,254

Rate Calculation:

Total Costs/Utilization

$$\frac{\$1,069,254}{6,201,632} = \$0.17241 \text{ per GB per Month}$$

State Data Center
Cost Allocation Plan
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**FY14 Billing Rate Derivation
State Data Center**

Category #17

Unit of Service: Physical Server Support
Estimated Utilization: 1,500

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	\$ <u>FY13 CAP</u>	\$ <u>FY14 CAP</u>
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	118,715	115,120
4	Fringe Benefits	48,673	47,199
	Total Personnel	\$167,389	\$162,320
Total Expense + Equipment:		\$0	\$0
Total Personnel and Expense + Equipment:		\$167,389	\$162,320
Indirect Costs Allocated:		\$20,142	\$14,615
Total Costs:		\$204,846	\$176,935

Rate Calculation:

Total Costs/Utilization

$$\frac{\$176,935}{1,500} = \$117.95652 \text{ per Server per Month}$$

State Data Center
Cost Allocation Plan
Fiscal Year 2014



FY14 Billing Rate Derivation
State Data Center

Category #19

Unit of Service: DistSys Backup-Recovery
Estimated Utilization: 588,299,107

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	\$ <u>FY13 CAP</u>	\$ <u>FY14 CAP</u>
2	Computer Operations Personnel	9,724	9,819
3	Technical Support Personnel	89,037	172,681
4	Fringe Benefits	40,492	74,825
	Total Personnel	\$139,252	\$257,325
107	Deduplication/Replication Hardware Lease	0	0
	Total Hardware Lease	\$0	\$0
206	Data Domain Appliance Maintenance	0	227,200
207	Backup Admin Servers Maintenance (TSM Win)	0	4,800
232	TSM Server and Storage Maintenance	91,172	37,000
	Total Hardware Maintenance	\$91,172	\$269,000
460	Tivoli Storage Management	157,559	0
478	Vranger Software Maintenance	0	10,565
	Total Software Maintenance	\$157,559	\$10,565
503	Deduplication/Replication Purchase - DistSys Backup-Recovery	0	162,602
512	TSM Hardware Purchase - DistSys Backup-Recovery	413,549	52,604
515	Data Domain Hardware Upgrade	0	1,425
	Total Hardware Purchase	\$413,549	\$216,631
606	TSM Software Purchase	0	300,000
608	Vranger License Enhancement	0	23,400
	Total Software Purchase	\$0	\$323,400
802	Consulting Service	35,000	0
842	TSM Training\Travel\Tools for Staff	0	10,000
	Total General Support Expense	\$35,000	\$10,000

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DistSys Backup-Recovery Rate Derivation continued

<u>Item</u>	<u>Description</u>	<u>\$ FY13 CAP</u>	<u>\$ FY14 CAP</u>
<u>Number</u>			
Total Expense + Equipment:		\$697,280	\$829,596
Total Personnel and Expense + Equipment:		\$836,532	\$1,086,921
Indirect Costs Allocated:		\$100,659	\$97,864
Job Costs:			
	VM		\$28,308
Total JobCosts:		\$20,929	\$28,308
Total Costs:		\$958,120	\$1,213,092

Rate Calculation:

Total Costs/Utilization

$$\frac{\$1,213,092}{588,299,107} = \$0.00206 \text{ per Gigabyte per day}$$

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**FY14 Billing Rate Derivation
State Data Center**

Category #20

Indirect Cost Components:

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	<u>\$ FY13 CAP</u>	<u>\$ FY14 CAP</u>
1	Administrative Personnel	501,574	535,881
2	Computer Operations Personnel	48,618	49,096
3	Technical Support Personnel	519,380	613,017
4	Fringe Benefits	438,525	491,177
	Total Personnel	\$1,508,097	\$1,689,170
239	Batteries/UPS Maintenance	42,450	0
240	Generator Maintenance	7,741	0
	Total Hardware Maintenance	\$50,191	\$0
401	Axceler ControlPoint - SharePoint Internal	14,500	7,250
402	Axceler ControlPoint - SharePoint External	0	3,625
460	Tivoli Storage Management	4,000	0
468	SQL	70,000	20,000
476	What's Up	4,000	0
	Total Software Maintenance	\$92,500	\$30,875
509	Tools for Staff	38,000	0
	Total Hardware Purchase	\$38,000	\$0
802	Consulting Service	0	60,000
805	IBM Global Network(Advantis)	10,000	0
806	Internet Access	1,500	0
807	IBM Server Support Line	45,000	0
808	MAN Connection/ANS Support/RLS Charges	112,800	0
810	Open Systems DR	81,720	0
811	Office Supplies, Equipment and Maintenance	12,500	12,500
812	Cell Phone	6,000	6,000
813	Electrical Distribution, Maintenance	100,000	100,000
814	Postage/Inter Agency Mail Delivery	4,300	4,000
815	Printing and Binding	3,500	3,500
816	Cabinets, Furniture & Building Changes	100,000	100,000
817	Reserve for Unplanned Expense	300,000	0
819	Security Services	25,000	0
820	Subscriptions & Publications	5,000	5,000
821	Telephone Service and Equipment	57,500	57,500
822	Training & Professional Development	90,000	10,000
823	Travel	27,500	15,000
824	Resource Oversight	0	108,000
825	VPN - Access Charge	9,268	3,000

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Indirect Costs continued

<u>Item</u>	<u>Description</u>	<u>\$ FY13 CAP</u>	<u>\$ FY14 CAP</u>
<u>Number</u>			
827	SSL Certificates	20,000	1,000
828	Service Deployment Appliance	0	65,000
830	SAN/NAS Support Line	10,000	0
833	RedHat/JBoss Support	6,000	6,000
834	Websense Pur/Mtc Recovery	5,000	0
Total General Support Expense		\$1,032,588	\$556,500
Total Expense + Equipment:		\$1,213,279	\$587,375
Total Personnel and Expense + Equipment:		\$2,721,376	\$2,276,545

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**FY14 Billing Rate Derivation
State Data Center**

Category #21

Unit of Service: WAS
Estimated Utilization: 168

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	<u>\$ FY13 CAP</u>	<u>\$ FY14 CAP</u>
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	59,358	115,120
4	Fringe Benefits	24,337	47,199
	Total Personnel	\$83,694	\$162,320
428	Tivoli WAS\ND	48,000	121,893
	Total Software Maintenance	\$48,000	\$121,893
845	WAS Training\Travel\Tools for Staff	0	4,500
846	VM Additional Charges for Was	0	14,729
	Total General Support Expense	\$0	\$19,229
Total Expense + Equipment:		\$48,000	\$141,122
Total Personnel and Expense + Equipment:		\$131,694	\$303,442
Indirect Costs Allocated:		\$15,847	\$27,321
Job Costs:			
	VM		\$0
	DistSys Backup-Recovery		\$0
Total JobCosts:		\$0	\$0
Total Costs:		\$147,541	\$330,763

Rate Calculation:

Total Costs/Utilization

$$\frac{\$330,763}{168}$$

= \$1,968.82780 per Image per Month

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**FY14 Billing Rate Derivation
State Data Center**

Category #23

Unit of Service:	SQL	
Estimated Utilization:	39,179	Base
	12,572	Memory
	478,785	Overage
	4,496	License

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	\$ <u>FY13 CAP</u>	\$ <u>FY14 CAP</u>
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	0	618,773
4	Fringe Benefits	0	253,697
	Total Personnel	\$0	\$872,469
451	SA Licenses for SQL	0	231,561
	Total Software Maintenance	\$0	\$231,561
601	Enterprise Licnese for SQL (New)	0	477,950
	Total Software Purchase	\$0	\$477,950
826	VM Additional Charges for SQL	0	132,317
839	SQL Training\Travel\Tools for Staff	0	70,000
	Total General Support Expense	\$0	\$202,317

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SQL Rate Derivation continued

<u>Item</u>	<u>Description</u>	<u>\$ FY13 CAP</u>	<u>\$ FY14 CAP</u>
Total Expense + Equipment:		\$0	\$911,828
Total Personnel and Expense + Equipment:		\$0	\$1,784,297
Indirect Costs Allocated:		\$0	\$160,654
	DistSys Backup-Recovery		\$51,215
	SAN		\$156,354
	VM		\$370,202
Total JobCosts:		\$0	\$577,771
Total Costs:		\$0	\$2,522,723

Rate Calculation Base:

44% Total Costs/Utilization $\frac{\$1,109,998}{39,179}$ = \$28.33129 per Base Unit per Month

Rate Calculation Memory:

3% Total Costs/Utilization $\frac{\$75,682}{12,572}$ = \$6.01986 per Memory GB per Month

Rate Calculation Overage:

30% Total Costs/Utilization $\frac{\$756,817}{478,785}$ = \$1.58070 per Overage GB per Month

Rate Calculation License:

23% Total Costs/Utilization $\frac{\$580,226}{4,496}$ = \$129.05990 per License per Month

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**FY14 Billing Rate Derivation
State Data Center**

Category #25

Unit of Service: VRanger - Data Domain
Estimated Utilization: 0

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	\$ <u>FY13 CAP</u>	\$ <u>FY14 CAP</u>
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	74,197	0
4	Fringe Benefits	30,421	0
	Total Personnel	\$104,618	\$0
206	Data Domain Appliance Maintenance	141,655	0
	Total Hardware Maintenance	\$141,655	\$0
478	Vranger Software Maintenance	23,925	0
	Total Software Maintenance	\$23,925	\$0
505	Deduplication/Replication Purchase - AD & Exchange	200,000	0
515	Data Domain Hardware Upgrade	219,000	0
	Total Hardware Purchase	\$419,000	\$0
608	Vranger License Enhancement	9,000	0
	Total Software Purchase	\$9,000	\$0
Total Expense + Equipment:		\$593,580	\$0
Total Personnel and Expense + Equipment:		\$698,198	\$0
Indirect Costs Allocated:		\$84,014	\$0
Total Costs:		\$795,327	\$0

Rate Calculation:

Total Costs/Utilization

$$\frac{\$0}{0} = \$0.00000 \text{ per Gigabyte per day}$$

**State Data Center
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**FY14 Billing Rate Derivation
State Data Center**

Category #26

Unit of Service: Remote Server Support
Estimated Utilization: 7,680

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	\$ <u>FY13 CAP</u>	\$ <u>FY14 CAP</u>
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	356,146	230,241
4	Fringe Benefits	146,020	94,399
	Total Personnel	\$502,166	\$324,640
229	Remote Server Support	0	128,000
	Total Hardware Maintenance	\$0	\$128,000
342	Symantic EndPoint Protection Subscription - Remote Server Sup	0	19,892
	Total Software Lease	\$0	\$19,892
507	Remote Server Replacement	461,652	0
508	Remote Storage Hardware	0	0
	Total Hardware Purchase	\$461,652	\$0
844	Remote Server Support Training\Travel\Tools for Staff	0	0
	Total General Support Expense	\$0	\$0
Total Expense + Equipment:		\$461,652	\$147,892
Total Personnel and Expense + Equipment:		\$963,818	\$472,532
Indirect Costs Allocated:		\$115,976	\$42,546
Total Costs:		\$1,079,794	\$515,077

Rate Calculation:

Total Costs/Utilization

$$\frac{\$515,077}{7,680} = \$67.06737 \text{ per Server per Month}$$

**State Data Center
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**FY14 Billing Rate Derivation
State Data Center**

Category #27

Unit of Service: VDI
Estimated Utilization: 30,000

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	\$ <u>FY13 CAP</u>	\$ <u>FY14 CAP</u>
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	0	0
4	Fringe Benefits	0	0
Total Personnel		\$0	\$0
243	VDI Server Maintenance	19,506	19,506
244	VDI Storage Maintenance	20,698	20,698
Total Hardware Maintenance		\$40,204	\$40,204
469	VMWare View Software Maintenance	152,650	152,650
470	Microsoft VDA Licensing (Software Subscription)	170,250	170,250
Total Software Maintenance		\$322,900	\$322,900
516	VDI End-Point Device (Then Clients)	0	0
517	VDI Server and Upgrades	65,020	71,440
518	VDI Storage and Upgrades	68,994	64,666
Total Hardware Purchase		\$134,014	\$136,106
609	VMWare View Licensing	86,000	86,000
Total Software Purchase		\$86,000	\$86,000
Total Expense + Equipment:		\$583,118	\$585,210
Total Personnel and Expense + Equipment:		\$583,118	\$585,210
Indirect Costs Allocated:		\$70,166	\$52,691
Total Costs:		\$727,694	\$637,901

Rate Calculation:

Total Costs/Utilization

$$\frac{\$637,901}{30,000} = \$21.26336 \text{ per Virtual Desktop per month}$$

An Additional charger of \$5 per Month extra for every one (1) gb of memory over our standard Configuration.

An Additional charger of \$11 per Month extra for every one (1) additional virtual CPU over 3 vCPUs.

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Billing Rate Derivation
State Data Center**

Category #31

Unit of Service: TFS
Estimated Utilization: 132

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	<u>\$ FY13 CAP</u>	<u>\$ FY14 CAP</u>
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	0	26,478
4	Fringe Benefits	0	10,856
	Total Personnel	\$0	\$37,334
442	MicroSoft Team Foundation Software Subscription	0	2,054
	Total Software Maintenance	\$0	\$2,054
843	TFS Training\Travel\Tools for Staff	0	300
850	VM Additional Charges for TFS	0	4,794
	Total General Support Expense	\$0	\$5,094
Total Expense + Equipment:		\$0	\$7,148
Total Personnel and Expense + Equipment:		\$0	\$44,482
Indirect Costs Allocated:		\$0	\$4,005
Job Costs:			
	VM		\$4,502
	DistSys Backup-Recovery		\$123
	SQL Base		\$1,678
	SQL Memory		\$114
	SQL Overage		\$1,146
	SQL License		\$876
Total JobCosts:		\$0	\$8,439
Total Costs:		\$0	\$56,925

Rate Calculation:

Total Costs/Utilization

$\frac{\$56,925}{132}$

= \$431.25335 per Unit per Month

132

**State Data Center
 Cost Allocation Plan
 Fiscal Year 2014**



TFS Rate Derivation continued

<u>Item Number</u>	<u>Description</u>	\$ <u>FY13 CAP</u>	\$ <u>FY14 CAP</u>
	An additional charge for Collection Database of \$28.33129 per Dedicated Base Per Month		
	An additional charge for Collection Database Overage of \$1.5807 per GB per Month		
	An additional charge for TFS Build Server of \$99.75165 per VM Server per Month		
	An additional charge for Memory over 1 GB of \$5.00 per GB per Month		
	An additional charge for vCPU over 3 Dedicated TFS Build Server of \$11.00 per CPU per Month		
	An additional charge for Disk over 50 GB for Dedicated TFS Build Server of \$0.17241 per GB per Month		

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Billing Rate Derivation
State Data Center**

Category #32

Unit of Service: Enterprise Fax Services
Estimated Utilization: 3,305,871

Estimated Cost:

<u>Item Number</u>	<u>Description</u>	<u>\$ FY13 CAP</u>	<u>\$ FY14 CAP</u>
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	0	8,634
4	Fringe Benefits	0	3,540
	Total Personnel	\$0	\$12,174
210	Fax Server Host Maintenance	0	5,440
	Total Hardware Maintenance	\$0	\$5,440
457	Biscom Software Maintenance	0	11,400
	Total Software Maintenance	\$0	\$11,400
502	24-Port Fax Cards for Server	0	9,911
	Total Hardware Purchase	\$0	\$9,911
615	Biscom Enterprise Fax Software	0	9,124
	Total Software Purchase	\$0	\$9,124
854	Fax Circuit Installation Charge (One-time Cost)	0	292
855	Fax Circuit Charge - 6 PRI Circuits	0	45,960
	Total General Support Expense	\$0	\$46,252
Total Expense + Equipment:		\$0	\$82,127
Total Personnel and Expense + Equipment:		\$0	\$94,301
Indirect Costs Allocated:		\$0	\$8,491
Total Costs:		\$0	\$102,792

Rate Calculation:

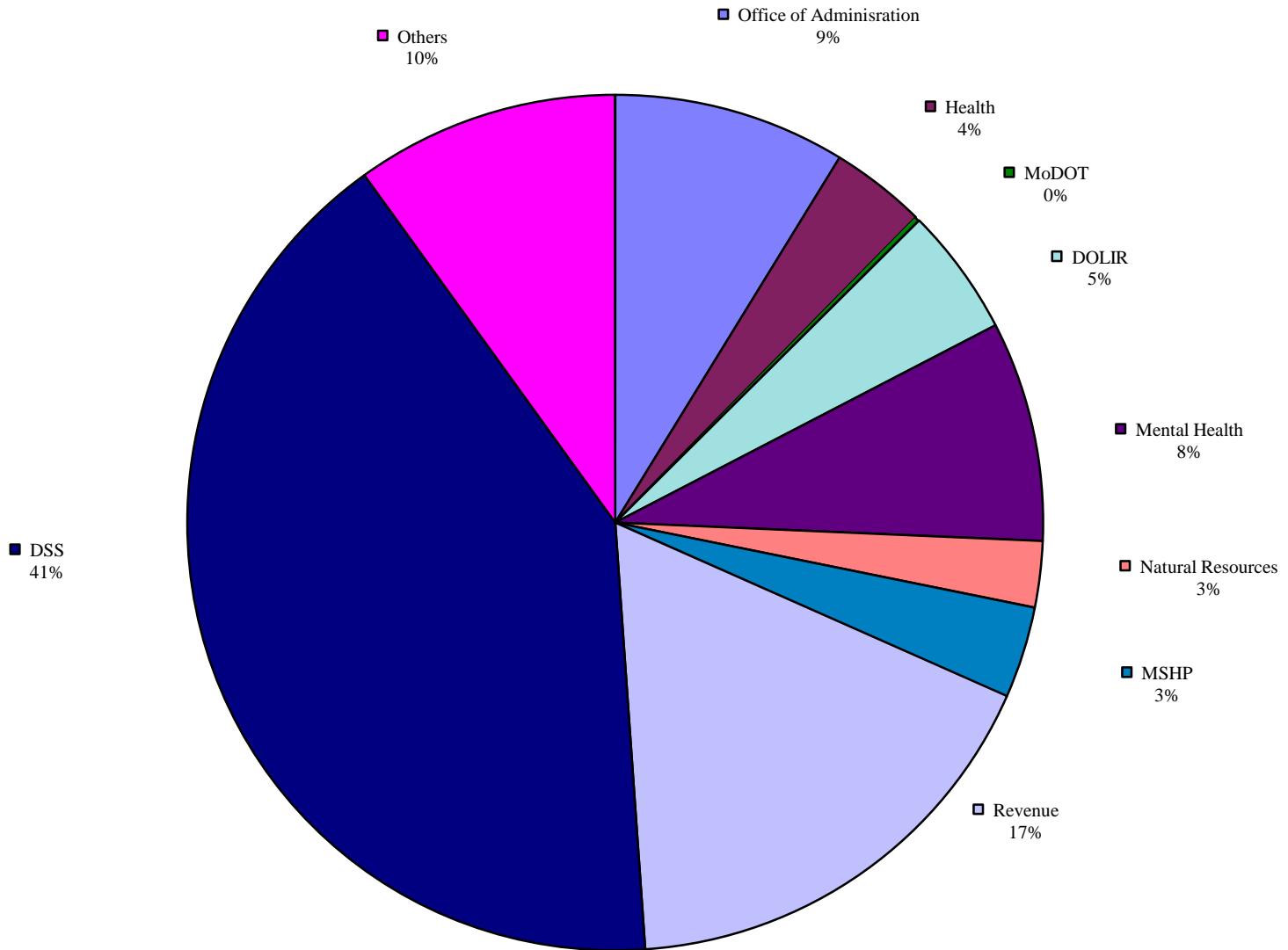
Total Costs/Utilization

$$\frac{\$102,792}{3,305,871} = \$0.03109 \text{ per Page}$$

An additional charge of \$0.07720 Per Minute, will be charged for every Minute of Long Distance Service.

Cost Estimates (F)

FY14 State Data Center Estimated Customer Billing



**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Cost Estimates by Customer
State Data Center**

<u>Agency</u>	<u>CICS Transactions</u>	<u>All Fusion Service Units</u>	<u>CPU Service Units</u>
Senate	\$ 63	\$ 0	\$ 616
House of Representatives	127	0	673
Legislative Research	15	0	24
State Courts Administrator	1,100	0	4,932
Secretary of State	399	0	2,325
Auditor	50	0	328
Treasurer	75	0	150
Attorney General	218	0	556
OA/ITSD Systems & Programming	304	9,981	57,678
OA/Missouri Ethics Commission	6	0	20
OA/Depty Commissioner	88	0	300
OA/Accounting	3,453	0	24,447
OA/Budget and Planning	168	0	358
OA/ITSD Production	8,616	104	416,900
OA/Design and Construction	218	0	521
OA/Personnel	8,644	0	15,536
OA/Purchasing	475	0	3,581
OA/General Services	1,977	0	7,385
OA/Facilities Management	731	0	2,270
OA/Administrative Hearing Commission	9	0	50
OA/OIT	0	0	0
Dept of Agriculture	427	0	1,776
Dept of Insurance	345	0	2,994
Dept of Conservation	646	0	2,806
Dept of Economic Development	1,528	0	27,934
Dept of Elementary & Secondary ED	1,763	0	12,951
Dept of Higher Education	122	0	1,598
Dept of Health & SS	21,048	0	133,011
Dept of Transportation	7,032	0	25,271
Dept of Labor & Industrial Relation	139,048	0	599,631
Dept of Mental Health	7,211	0	108,813
Dept of Natural Resources	2,691	0	57,397
Dept of Public Safety	2,051	0	10,278
Missouri State Highway Patrol	243,721	661	536,360
Kansas City Police Dept	0	0	0
ReJIS	74,882	0	29,125
Dept of Revenue	125,064	0	2,091,217
Lottery Commission	149	0	311
State Tax Commission	23	0	49
Highway Reciprocity Commission	0	0	0
Dept of Social Services	1,387,728	91,502	4,538,626
Dept of Corrections	7,371	0	17,421
Others	1,067	0	6,701
Agency Total :	\$2,050,653	\$102,249	\$8,742,917

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Cost Estimates by Customer
State Data Center**

<u>Agency</u>	<u>DistSys Backup</u> <u>Recovery</u>	<u>zOS Enterprise</u> <u>Data Backup</u>	<u>zOS DB2</u> <u>Service Units</u>
Senate	\$ 0	\$ 0	\$ 194
House of Representatives	0	0	210
Legislative Research	0	0	8
State Courts Administrator	0	8	1,314
Secretary of State	0	9	699
Auditor	0	709	53
Treasurer	12,876	12	43
Attorney General	0	0	166
OA/ITSD Systems & Programming	15,331	4,826	7,996
OA/Missouri Ethics Commission	0	0	8
OA/Depty Commissioner	6	0	85
OA/Accounting	0	19	6,650
OA/Budget and Planning	1	0	81
OA/ITSD Production	37,916	97,183	56,126
OA/Design and Construction	0	5	132
OA/Personnel	843	5	3,505
OA/Purchasing	118	0	429
OA/General Services	141	141	1,789
OA/Facilities Management	8,121	27	615
OA/Administrative Hearing Commission	1,903	0	18
OA/OIT	0	0	0
Dept of Agriculture	12,876	0	587
Dept of Insurance	12,876	27	911
Dept of Conservation	0	0	539
Dept of Economic Development	38,628	1,933	1,283
Dept of Elementary & Secondary ED	51,504	0	3,784
Dept of Higher Education	12,876	0	357
Dept of Health & SS	51,504	4,094	26,534
Dept of Transportation	0	4	5,696
Dept of Labor & Industrial Relation	90,133	78,736	12,400
Dept of Mental Health	206,017	10,059	31,800
Dept of Natural Resources	154,513	3,916	15,807
Dept of Public Safety	12,876	0	3,100
Missouri State Highway Patrol	0	8,021	76,874
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	115,885	149,486	316,928
Lottery Commission	0	0	96
State Tax Commission	0	0	16
Highway Reciprocity Commission	0	18	0
Dept of Social Services	103,009	178,907	1,489,310
Dept of Corrections	25,752	0	5,293
Others	0	0	1,753
Agency Total :	\$965,706	\$538,143	\$2,073,188

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Cost Estimates by Customer
State Data Center**

<u>Agency</u>	<u>zOS Data Storage</u>		<u>VM Images</u>		<u>zOS IDMS</u>	
	\$	0	\$	0	\$	0
Senate		0		0		0
House of Representatives		0		0		0
Legislative Research		0		0		0
State Courts Administrator		0		0		602
Secretary of State		25		0		2
Auditor		27		17,058		0
Treasurer		2		17,058		0
Attorney General		0		0		0
OA/ITSD Systems & Programming		27,248		78,205		93
OA/Missouri Ethics Commission		0		0		0
OA/Depty Commissioner		0		0		0
OA/Accounting		25		0		0
OA/Budget and Planning		0		1,466		0
OA/ITSD Production		120,560		38,125		0
OA/Design and Construction		2		0		0
OA/Personnel		490		0		51
OA/Purchasing		2		0		0
OA/General Services		158		0		7
OA/Facilities Management		28		16,130		0
OA/Administrative Hearing Commission		0		2,933		0
OA/OIT		0		0		0
Dept of Agriculture		0		17,058		0
Dept of Insurance		3		34,215		98
Dept of Conservation		0		0		1,334
Dept of Economic Development		2,938		34,215		168
Dept of Elementary & Secondary ED		0		68,430		0
Dept of Higher Education		0		34,215		0
Dept of Health & SS		1,219		153,917		100,974
Dept of Transportation		26		0		190
Dept of Labor & Industrial Relation		63,487		68,430		3,245
Dept of Mental Health		5,787		171,074		351
Dept of Natural Resources		924		68,430		0
Dept of Public Safety		0		34,215		0
Missouri State Highway Patrol		6,935		0		77,092
Kansas City Police Dept		0		0		0
ReJIS		0		0		77,430
Dept of Revenue		161,340		171,074		759,139
Lottery Commission		0		0		0
State Tax Commission		0		0		0
Highway Reciprocity Commission		51		0		0
Dept of Social Services		440,413		85,487		937,906
Dept of Corrections		0		34,215		0
Others		0		0		1,364
Agency Total :		\$831,691		\$1,145,947		\$1,960,044

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Cost Estimates by Customer
State Data Center**

<u>Agency</u>	<u>Print (Lines)</u>	<u>Print (Laser)</u>	<u>AD User ID</u>
Senate	0	0	37
House of Representatives	0	0	64
Legislative Research	0	0	0
State Courts Administrator	0	8	46
Secretary of State	0	0	1,303
Auditor	0	21	37
Treasurer	0	0	569
Attorney General	0	0	2,908
OA/ITSD Systems & Programming	0	234	0
OA/Missouri Ethics Commission	0	0	138
OA/Depty Commissioner	0	0	9
OA/Accounting	74	1,357	0
OA/Budget and Planning	0	160	18
OA/ITSD Production	0	28,598	147
OA/Design and Construction	0	0	0
OA/Personnel	0	198	64
OA/Purchasing	0	187	46
OA/General Services	27	2,654	147
OA/Facilities Management	0	624	450
OA/Administrative Hearing Commission	0	0	28
OA/OIT	0	0	3,578
Dept of Agriculture	0	0	248
Dept of Insurance	0	0	321
Dept of Conservation	0	10	83
Dept of Economic Development	0	10	14,128
Dept of Elementary & Secondary ED	0	0	4,688
Dept of Higher Education	0	2	596
Dept of Health & SS	91	4,391	4,624
Dept of Transportation	0	4	211
Dept of Labor & Industrial Relation	0	263	1,716
Dept of Mental Health	0	0	190,662
Dept of Natural Resources	0	98	13,449
Dept of Public Safety	0	0	1,193
Missouri State Highway Patrol	0	1,005	9
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	467	368,633	6,559
Lottery Commission	0	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	0	0	0
Dept of Social Services	210	1,139,845	11,678
Dept of Corrections	0	0	3,514
Others	0	0	64
Agency Total :	\$869	\$1,548,300	\$263,328

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Cost Estimates by Customer
State Data Center**

<u>Agency</u>	<u>AD Exchange</u> <u>Mailboxes</u>	<u>SAN</u>	<u>Physical Server</u> <u>Support</u>
Senate	\$ 0	\$ 0	\$ 0
House of Representatives	0	0	0
Legislative Research	0	0	0
State Courts Administrator	0	0	0
Secretary of State	0	0	0
Auditor	0	10,693	0
Treasurer	0	10,693	0
Attorney General	52	0	0
OA/ITSD Systems & Programming	27,294	38,367	0
OA/Missouri Ethics Commission	1,624	0	0
OA/Depty Commissioner	3,458	7	0
OA/Accounting	1,886	0	0
OA/Budget and Planning	3,562	0	0
OA/ITSD Production	11,054	24,253	18,401
OA/Design and Construction	0	0	0
OA/Personnel	3,719	103	0
OA/Purchasing	3,719	0	0
OA/General Services	5,605	0	0
OA/Facilities Management	35,728	10,816	1,415
OA/Administrative Hearing Commission	2,148	1,302	0
OA/OIT	87,224	0	0
Dept of Agriculture	19,488	10,693	0
Dept of Insurance	38,190	21,385	2,831
Dept of Conservation	0	0	0
Dept of Economic Development	35,099	21,385	15,570
Dept of Elementary & Secondary ED	85,181	64,155	0
Dept of Higher Education	5,082	10,693	0
Dept of Health & SS	126,724	74,848	1,415
Dept of Transportation	0	0	0
Dept of Labor & Industrial Relation	59,669	32,078	1,415
Dept of Mental Health	359,060	149,695	28,310
Dept of Natural Resources	109,803	117,618	1,415
Dept of Public Safety	64,383	10,693	0
Missouri State Highway Patrol	0	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	93,825	74,848	4,246
Lottery Commission	0	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	0	0	0
Dept of Social Services	462,838	53,463	19,817
Dept of Corrections	712,461	10,693	0
Others	7,125	0	0
Agency Total :	\$2,366,001	\$748,477	\$94,837

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Cost Estimates by Customer
State Data Center**

<u>Agency</u>	<u>WAS</u>	<u>VRanger - Data Domain</u>	<u>Remote Server Support</u>
Senate	\$ 0	\$ 0	\$ 0
House of Representatives	0	0	0
Legislative Research	0	0	0
State Courts Administrator	0	0	0
Secretary of State	0	0	0
Auditor	0	0	0
Treasurer	0	0	0
Attorney General	0	0	0
OA/ITSD Systems & Programming	0	0	0
OA/Missouri Ethics Commission	0	0	0
OA/Depty Commissioner	0	0	0
OA/Accounting	49,221	0	0
OA/Budget and Planning	0	0	0
OA/ITSD Production	0	0	17,706
OA/Design and Construction	0	0	0
OA/Personnel	0	0	0
OA/Purchasing	0	0	0
OA/General Services	0	0	0
OA/Facilities Management	0	0	7,243
OA/Administrative Hearing Commission	0	0	0
OA/OIT	0	0	0
Dept of Agriculture	0	0	0
Dept of Insurance	0	0	7,243
Dept of Conservation	0	0	0
Dept of Economic Development	0	0	805
Dept of Elementary & Secondary ED	0	0	31,388
Dept of Higher Education	53,158	0	0
Dept of Health & SS	0	0	15,291
Dept of Transportation	0	0	0
Dept of Labor & Industrial Relation	66,940	0	12,072
Dept of Mental Health	0	0	115,892
Dept of Natural Resources	55,127	0	19,315
Dept of Public Safety	0	0	16,096
Missouri State Highway Patrol	0	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	53,158	0	4,829
Lottery Commission	0	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	0	0	0
Dept of Social Services	0	0	154,523
Dept of Corrections	53,158	0	78,871
Others	0	0	0
Agency Total :	\$330,763	\$0	\$481,275

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Cost Estimates by Customer
State Data Center**

<u>Agency</u>	<u>VDI</u>	<u>SQL Base</u>	<u>SQL Memory</u>
Senate	\$ 0	\$ 0	\$ 0
House of Representatives	0	0	0
Legislative Research	0	0	0
State Courts Administrator	0	0	0
Secretary of State	340	0	0
Auditor	0	0	0
Treasurer	0	0	0
Attorney General	0	0	0
OA/ITSD Systems & Programming	87,116	22,410	1,529
OA/Missouri Ethics Commission	0	0	0
OA/Depty Commissioner	3,402	283	18
OA/Accounting	3,402	0	0
OA/Budget and Planning	2,381	142	12
OA/ITSD Production	23,581	287,421	19,595
OA/Design and Construction	0	425	30
OA/Personnel	3,083	2,805	193
OA/Purchasing	0	425	30
OA/General Services	10,929	6,063	415
OA/Facilities Management	2,743	23,402	1,595
OA/Administrative Hearing Commission	0	850	54
OA/OIT	0	0	0
Dept of Agriculture	3,423	18,784	1,282
Dept of Insurance	53,307	14,591	993
Dept of Conservation	0	283	18
Dept of Economic Development	28,706	18,699	1,276
Dept of Elementary & Secondary ED	24,942	86,212	5,875
Dept of Higher Education	1,361	5,553	379
Dept of Health & SS	63,216	88,365	6,026
Dept of Transportation	0	0	0
Dept of Labor & Industrial Relation	33,830	7,111	488
Dept of Mental Health	12,630	384,512	26,217
Dept of Natural Resources	58,092	9,038	614
Dept of Public Safety	16,054	21,277	1,451
Missouri State Highway Patrol	0	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	43,739	80,008	5,454
Lottery Commission	0	0	0
State Tax Commission	2,743	567	42
Highway Reciprocity Commission	0	0	0
Dept of Social Services	150,332	26,518	1,806
Dept of Corrections	8,548	2,578	175
Others	0	0	0
Agency Total :	\$637,901	\$1,108,320	\$75,567

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Cost Estimates by Customer
State Data Center**

<u>Agency</u>	<u>SQL Overage</u>	<u>SQL Licenase</u>	<u>TFS</u>
Senate	\$ 0	\$ 0	\$ 0
House of Representatives	0	0	0
Legislative Research	0	0	0
State Courts Administrator	0	0	0
Secretary of State	0	0	0
Auditor	0	0	0
Treasurer	0	0	0
Attorney General	0	0	0
OA/ITSD Systems & Programming	15,273	11,744	0
OA/Missouri Ethics Commission	0	0	0
OA/Depty Commissioner	196	129	0
OA/Accounting	0	0	7,331
OA/Budget and Planning	98	129	0
OA/ITSD Production	195,976	150,226	863
OA/Design and Construction	292	258	0
OA/Personnel	1,908	1,420	0
OA/Purchasing	292	258	0
OA/General Services	4,134	3,226	0
OA/Facilities Management	15,949	12,261	0
OA/Administrative Hearing Commission	571	387	0
OA/OIT	0	0	0
Dept of Agriculture	12,807	9,809	2,156
Dept of Insurance	9,949	7,615	2,156
Dept of Conservation	196	129	0
Dept of Economic Development	12,745	9,809	7,763
Dept of Elementary & Secondary ED	58,782	45,042	7,763
Dept of Higher Education	3,795	2,968	0
Dept of Health & SS	60,255	46,203	0
Dept of Transportation	0	0	0
Dept of Labor & Industrial Relation	4,851	3,743	7,331
Dept of Mental Health	262,161	200,946	6,469
Dept of Natural Resources	6,158	4,775	2,156
Dept of Public Safety	14,506	11,099	0
Missouri State Highway Patrol	0	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	54,550	41,815	6,469
Lottery Commission	0	0	0
State Tax Commission	392	258	0
Highway Reciprocity Commission	0	0	0
Dept of Social Services	18,082	13,809	6,469
Dept of Corrections	1,753	1,291	0
Others	0	0	0
Agency Total :	\$755,671	\$579,350	\$56,925

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**FY14 Cost Estimates by Customer
State Data Center**

<u>Agency</u>	<u>Enterprise Fax Services</u>	<u>Estimated Billing</u>
Senate	\$ 0	\$ 909
House of Representatives	0	1,073
Legislative Research	0	47
State Courts Administrator	0	8,011
Secretary of State	0	5,101
Auditor	0	28,975
Treasurer	0	41,477
Attorney General	0	3,900
OA/ITSD Systems & Programming	0	405,629
OA/Missouri Ethics Commission	0	1,796
OA/Depty Commissioner	0	7,981
OA/Accounting	0	97,865
OA/Budget and Planning	0	8,577
OA/ITSD Production	16	1,553,365
OA/Design and Construction	0	1,883
OA/Personnel	0	42,566
OA/Purchasing	0	9,562
OA/General Services	0	44,798
OA/Facilities Management	0	140,146
OA/Administrative Hearing Commission	0	10,253
OA/OIT	7,438	98,240
Dept of Agriculture	32	111,445
Dept of Insurance	18	210,068
Dept of Conservation	0	6,044
Dept of Economic Development	0	274,621
Dept of Elementary & Secondary ED	86	552,545
Dept of Higher Education	0	132,755
Dept of Health & SS	1,122	984,873
Dept of Transportation	10,697	49,131
Dept of Labor & Industrial Relation	64,578	1,351,194
Dept of Mental Health	137	2,277,803
Dept of Natural Resources	0	701,337
Dept of Public Safety	152	219,423
Missouri State Highway Patrol	0	950,678
Kansas City Police Dept	0	0
ReJIS	0	181,437
Dept of Revenue	18,515	4,747,247
Lottery Commission	0	556
State Tax Commission	0	4,089
Highway Reciprocity Commission	0	69
Dept of Social Services	1	11,312,278
Dept of Corrections	0	963,093
Others	0	18,075
Agency Total :	\$102,792	\$27,560,914

Rate Comparison (G)

**State Data Center
Cost Allocation Plan
Fiscal Year 2014**



**Comparison of Fiscal Year Billing Rates
State Data Center**

<u>Category</u>	<u>FY14</u>	<u>FY13</u>	<u>FY12</u>	<u>FY11</u>	<u>FY10</u>
AD & Exchange Mailboxes (Monthly Rate)	4.36557	5.07448	4.36337	4.02566	2.45987
AD User ID (Monthly Rate)	0.76449	0.78539	0.74021	1.01424	0.63685
All Fusion CPU Service Units	0.02492	0.01635	0.02847	0.00875	0.01182
CICS Transactions	0.00083	0.00101	0.00087	0.00073	0.00088
CPU Service Units/1000	0.00732	0.00688	0.00944	0.00924	0.00955
DistSys Backup-Recovery/GB Day	0.00206	0.00390	0.00305	0.00328	0.00204
Enterprise Fax Services	0.03109	0.00000	0.00000	0.00000	0.00000
Laser Feet Printed	0.03184	0.03039	0.03098	0.03153	0.04356
Laser Feet Printed/Duplex	0.02547	0.02431	0.02479	0.02522	0.03485
Lines (Impact) Printed/1000	0.37973	0.36249	0.36956	0.37603	0.51960
Physical Server Support	117.95652	91.28603	29.82952	52.21829	54.28303
Remote Server Support	67.06737	144.89986	0.00000	0.00000	0.00000
SAN	0.17241	0.15992	0.09361	0.26777	0.32114
SQL Base	28.33129	0.00000	0.00000	0.00000	0.00000
SQL License	129.05990	0.00000	0.00000	0.00000	0.00000
SQL Memory	6.01986	0.00000	0.00000	0.00000	0.00000
SQL Overage	1.58070	0.00000	0.00000	0.00000	0.00000
TFS	431.25335	0.00000	0.00000	0.00000	0.00000
VDI	21.26336	24.25646	0.00000	0.00000	0.00000
VM	99.75165	60.12272	53.36238	57.01808	46.97878
Vranger - Data Domain	0.00000	0.00121	0.39358	0.01303	0.00000
WAS	1,968.82780	614.75440	464.35951	304.48994	0.00000
zOS Data Storage/GB Day	0.12814	0.13397	0.09566	0.08961	0.13896
zOS DB2 Service Units/1000	0.00214	0.00182	0.00216	0.00177	0.00171
zOS Enterprise Data Backup/GB Day	0.00621	0.00716	0.00867	0.01016	0.01143
zOS IDMS	0.00516	0.00517	0.00537	0.00424	0.00365

Cost Compare with Percentage of Change

Num.	Category Description	14 Percentage of change	FY14	13 Percentage of change	FY13	12 Percentage of change	FY12	11 Percentage of change	FY11	10 Percentage of change	FY10
1	Laser Feet Printed	5%	0.03184	-2%	0.03039	-2%	0.03098	-28%	0.03153	14%	0.04356
1	Lines (Impact) Printed/1000	5%	0.37973	-2%	0.36249	-2%	0.36956	-28%	0.37603	14%	0.51960
1	Laser Feet Printed/Duplex	5%	0.02547	-2%	0.02431	-2%	0.02479	-28%	0.02522	14%	0.03485
2	CPU Service Units/1000	6%	0.00732	-27%	0.00688	2%	0.00944	-3%	0.00924	1%	0.00955
3	CICS Transactions	-18%	0.00083	16%	0.00101	19%	0.00087	-17%	0.00073	-2%	0.00088
5	zOS Enterprise Data Backup/GB Day	-13%	0.00621	-17%	0.00716	-15%	0.00867	-11%	0.01016	-58%	0.01143
7	AD User ID per Month	-3%	0.76449	6%	0.78539	-27%	0.74021	59%	1.01424	4%	0.63685
7	AD & Exchange Mailbox per Month	-14%	4.36557	16%	5.07448	8%	4.36337	64%	4.02566	37%	2.45987
8	zOS Data Storage/GB Day	-4%	0.12814	40%	0.13397	7%	0.09566	-36%	0.08961	-29%	0.13896
10	zOS IDMS	0%	0.00516	-4%	0.00517	27%	0.00537	16%	0.00424	20%	0.00365
11	zOS DB2 Service Units/1000	18%	0.00214	-16%	0.00182	22%	0.00216	4%	0.00177	6%	0.00171
14	All Fusion CPU Service Units/1000	52%	0.02492	-43%	0.01635	225%	0.02847	-26%	0.00875	-26%	0.01182
15	VM per Image per Month	66%	99.75165	13%	60.12272	-6%	53.36238	21%	57.02	-20%	46.98
16	SAN per 1GB per Month	8%	0.17241	71%	0.15992	-65%	0.09361	-17%	0.27	4%	0.32
17	Physical Server Support /Month	29%	117.95652	206%	91.28602	-43%	29.82952	-4%	52.22	19%	54.28
19	DistSys Backup-Recovery/GB Day	-47%	0.00206	28%	0.00390	-7%	0.00305	61%	0.00328	-1%	0.00204
21	WAS per Image per Month	220%	1968.82168	32%	614.75439	53%	464.35956	0%	304.49		
23	SQL per Base Unit per Month	0%	28.33129	0%	0.00000	0%	0.00000	0%	0		
23	SQL Memory per GB per Month	0%	6.01986	0%	0.00000	0%	0.00000	0%	0		
23	SQL Overage per GB per Month	0%	1.58070	0%	0.00000	0%	0.00000	0%	0		
23	SQL License per License per Month	0%	129.05990	0%	0.00000	0%	0.00000	0%	0		
25	VRanger-Data Domain GB Day	0%	0.00000	-100%	0.00121	2920%	0.39358	0%	0.013		
26	Remote Server Support per Server per I	-54%	67.06737	0%	144.8999						
27	VDI per Virtual Desktop per Month	-12%	21.26336	0%	24.25646						
31	TFS	0%	431.25335								
32	Fax Services per Page	0%	0.03109								