State Data Center

Cost Allocation Plan

Fiscal Year 2016

The Cost Allocation Plan is the State of Missouri's initiative to develop a cost-based method to establish billing rates for Information Technology services and products. The Cost Allocation Plan works to ensure State of Missouri IT services are provided in a cost effective manner.

Last revised: July 2015

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Introduction

Methodology of the Cost Allocation Plan

Explanation of Terms

Introduction

The State Data Center's Cost Allocation Plan was developed to establish a cost-based recovery method for the State's Information Technology Services. The benefits of the CAP are twofold. First, the CAP allows for a full-cost recovery process of SDC services. Both, direct and indirect costs, are included in the full-cost recovery to minimize under or over recovery of the SDC's total budgeted costs. Secondly, each customer is treated in an equitable manner, based on the resources used by that customer.

This document will provide the methodology used for determining the rates billed, an explanation of terms used, summarized anticipated personnel expenses, itemized estimated expenditures for the SDC, estimated utilization by customer, an itemized list of the costs per service with the rate calculation, an estimated billing based on utilization per customer, and a rate comparison of the current year and the preceding four years.

Methodology

To develop the CAP the following components were analyzed to establish the final SDC CAP rates for fiscal year 2016.

- **Determination of the Rate Category for Services Provided:** All services provided to the customer by the SDC are identified and approved by the Chief Information Officer (CIO).
- **Establish the Units of Service:** The unit of service used to measure the volume of the service provided by each CAP item is established based on three criteria.
  - The relationship to the function performed
  - The measurability
  - The controllability by the customer
- **Compilation of the Estimated Utilization by Customer:** For each CAP item, the utilization by customer is compiled and totaled to develop the basis for the billing rate computation.
- **Identify the Type of Cost:** There are two types of costs identified in the CAP, allocated direct and allocated indirect costs. Allocated direct costs are associated with personnel and equipment costs that can be directly identified based on the type of service. Allocated indirect costs are related to support costs for services provided by the SDC and cannot be identified by a specific type of service.
- **Determine the Allocated Direct Cost:** Allocated direct costs are those costs budgeted for personnel, equipment or other expenses that can be directly identified with providing a specific service. These costs are accumulated to determine the total allocated direct costs associated with each type of service provided.
- **Determine the Allocated Indirect Cost:** Allocated indirect costs are those costs budgeted that are not associated with a specific service. These costs are accumulated to determine the total allocated indirect costs and prorated across each type of service provided.
- **Summarization of the Total Costs by Service:** The summarized total cost by service is determined by adding both direct and indirect allocated costs with job costs.

- **Calculated 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.
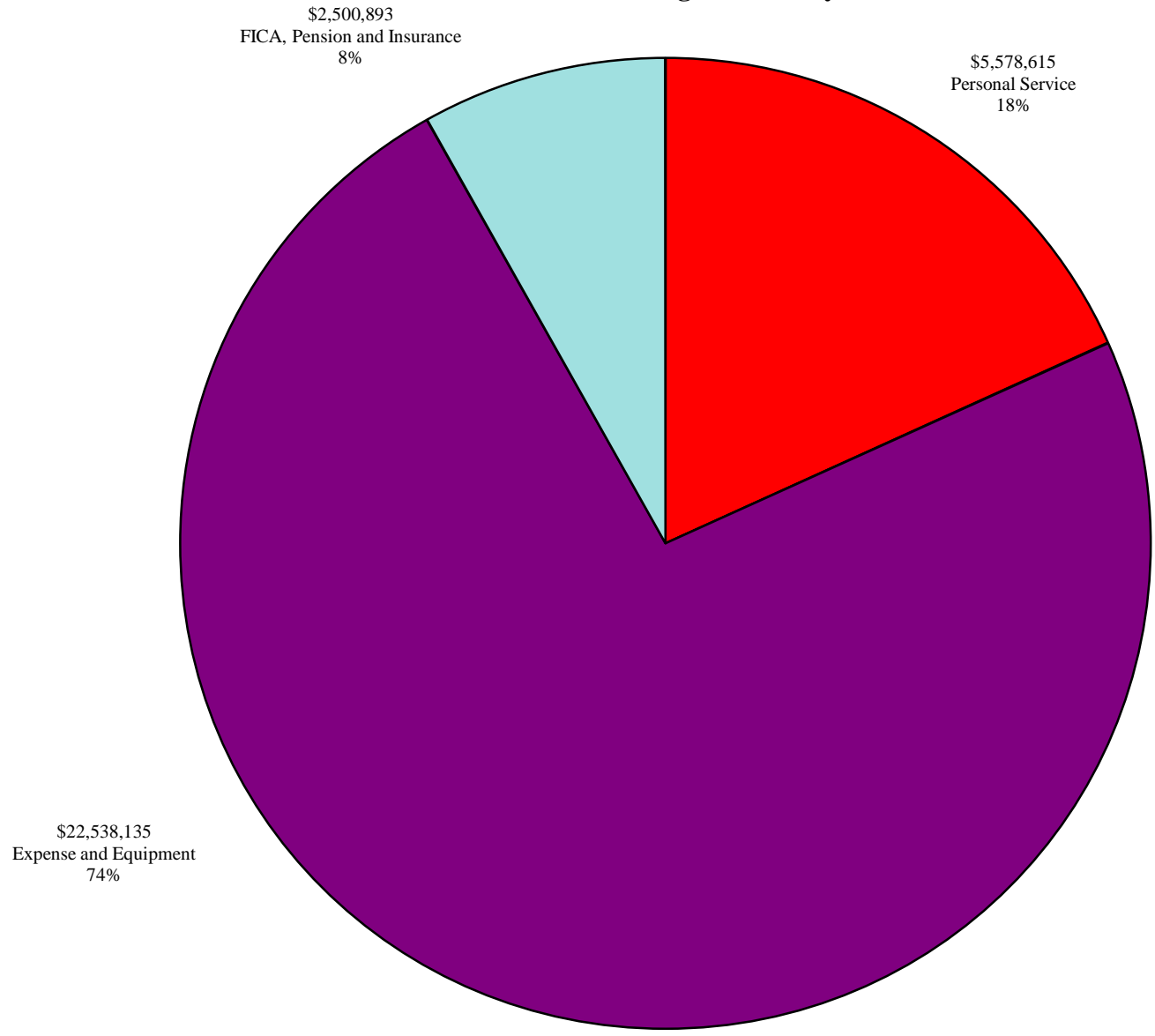
Explanation of Terms

- **Allocated Direct:** The personnel services, equipment and other expenses directly identified with providing a service.
- **Allocated Indirect:** The personnel services, equipment and other expenses indirectly identified with providing a service.
- **Active Directory and Exchange:** Active Directory (AD) is used to provide contact information globally. Exchange services are those related to email provided by ITSD. The costs are based on the number of accounts and/or the amount of email stored on the servers.
- **AIX Hosted Services:** AIX is a propriety product of the Unix Operating System, developed by IBM. The service is associated with the base support of the AIX hosted servers.
- **CICS Transaction:** A CICS Transaction is a request made at a workstation. The request may be for a display of information at that workstation or storage of information entered on the workstation.
- **COOL Gen (Composer) Service Units:** A Cool Gen Service unit is the translation of CPU resources used for batch jobs and TSO transactions that occur while using the Cool Gen product.
- **CPU Priority Adjustment:** CPU Priority Adjustments are based on the batch job priority class defined by the customer and the time of day for TSO usage. Low priority jobs are billed at 75 percent of the normal CPU rate. Low priority jobs are processed during the second and third shifts. Class One jobs are billed at 65 percent of the normal CPU rate. These jobs are processed during weekends and holidays. TSO, CPU, FOCUS CPU and Roscoe CPU usage during non-prime hours (5pm to 7am) and are billed at 75 percent of the normal CPU rate.
- **CPU Service Unit:** The CPU resources used for the following batch jobs, TSO transactions, CICS transactions, IDMS transactions, DB2 ClientServer transactions and FOCUS are monitored and measured to determine the CPU service units. Service units used by DB2 transactions are reported under CISC, TSO and Batch.
- **iConvert:** Allows mainframe print IPDS (Intelligent Printer Data Stream) to print to a non-mainframe PS or PCL format printer. The software eliminates the need for an IPDS card to be installed on a printer. iConvert is used primarily for the MACCS or FAMIS applications.
- **Data Domain:** Is a data deduplication and replication appliance used for backup of data.
- **DistSys Backup and Recovery:** DistSys is an IBM software product used by the customer to backup servers and workstations. The costs associated with this service are based on the amount of backup storage the customer uses. (This service was previously called TSM and Data Domain.)
- **Enterprise Fax Services:** Enterprise Electronic Fax Service is a software product provided by Biscom. This service allows for the electronic retrieval and sending of faxes.
- **Laser Feet, Duplex Printing and Line Printed:** Reports printed from the SDC Mainframe printer(s) is comprised of the lines printed (impact) and/or the feet printed (laser/duplex) a cost is then assessed based on the printed line and/or feet printed.

- **Hosted Rack:** SDC provides hosted Rack services. The rack rate include power, KVM and Operations monitoring.
- **JIRA:** JIRA is a service provided by the SDC to track issues and to execute management objectives.
- **Job Cost:** Job costs are associated with the backup, maintenance and the monitoring of systems required to provide customer service by the SDC. The costs are applied based on the appropriate type of service.
- **Physical Server Support:** Physical Server Support encompasses the management of a physical server, including the infrastructure. (This service was previously called Server Support.)
- **Remote Server Support:** Remote Server Support encompasses the management, technical support and hardware replacement for servers not located within the SDC.
- **Storage Area Network:** SAN is the disk storage that is used by the Open System environment.
- **Secure File Transfer Protocol:** sFTP is the secure method for the transfer of computer files from one host to another.
- **SharePoint External:** SharePoint services provide a vehicle to store, load and track documents, as well as provide a resource for collaboration. SharePoint External services provide a centralized point of access on the State public DMZ for collaboration with external sources.
- **SharePoint Internal:** SharePoint services provide a vehicle to store, load and track documents, as well as provide a resource for collaboration. SharePoint Internal services provide a centralized point of access on the State private network of inner-agency collaboration.
- **SQL Server Reporting Services:** SSRS is the standard reporting tool. SSRS provides ready-to-use tools and services to assist in the creation, deployment and management of reports.
- **Team Foundation Server:** TFS is a Microsoft product that offers source control, data collection, reporting and project tracking tools. TFS' ultimate objective is to offer a collaborative environment for the development of projects. The recovery costs for this include hardware, software and the personnel support for the production and test installations. Additionally, agency specific database costs and TFS build resource costs are included in the TFS rates.
- **Virtual Desktop Infrastructure:** VDI is the hosting of a desktop operating system within a virtual machine (VM). The VM runs on a hosted, centralized server. Access to a VDI can be achieved with various end-point devices.
- **Virtual Machine:** A VM uses specialized software to house the images of multiple servers on a single machine.
- **WebSphere Application Server:** WAS uses IBM's J2EE application, which provides a platform for java applications with EJB, Web Services and other feature packs.
- **zOS Data Storage:** zOS Data Storage provides direct access storage and is measured in gigabytes. The storage is allocated for the customer and SDC data. (This was previously called DASD.)
- **zOS DB2:** The DB2 Service Unit is a translation of resources used by the DB2 product.
- **zOS Enterprise Data Backup:** zOS Enterprise Data Backup is the utilization of data storage on tape format and on HSM DASD. Utilization of storage is measured in gigabytes allocated to the customer and the SDC. (This was previously called DSM.)
- **zOS IDMS:** zOS IDMS run unit is an online or batch request to access data managed by the IDMS database system.

Budget Summary (B)

FY16 State Data Center
Budget Summary

SDC CAP **itsd**

$2,500,893
FICA, Pension and Insurance
8%

$5,578,615
Personal Service
18%

$22,538,135
Expense and Equipment
74%

SDC CAP **itsd**

FY16 Budget Summary
State Data Center

	Revolving Fund
Personal Service	$5,578,617
Expense and Equipment	$22,538,135
Transfers	$5,000
FICA, Pension and Insurance	$2,500,894
Total Budgeted Costs	$30,622,646

Budget Detail (C)

FY16 State Data Center
Object Code Allocations

SDC CAP

($1,335,725)
Cost Adjustment
-4%

$1,583,468
General Support Expense
5%

$657,500
Expendable Supplies
2%

$8,079,509
Personal Services/Fringe
24%

$6,508,994
Hardware
20%

$15,128,898
Software
45%
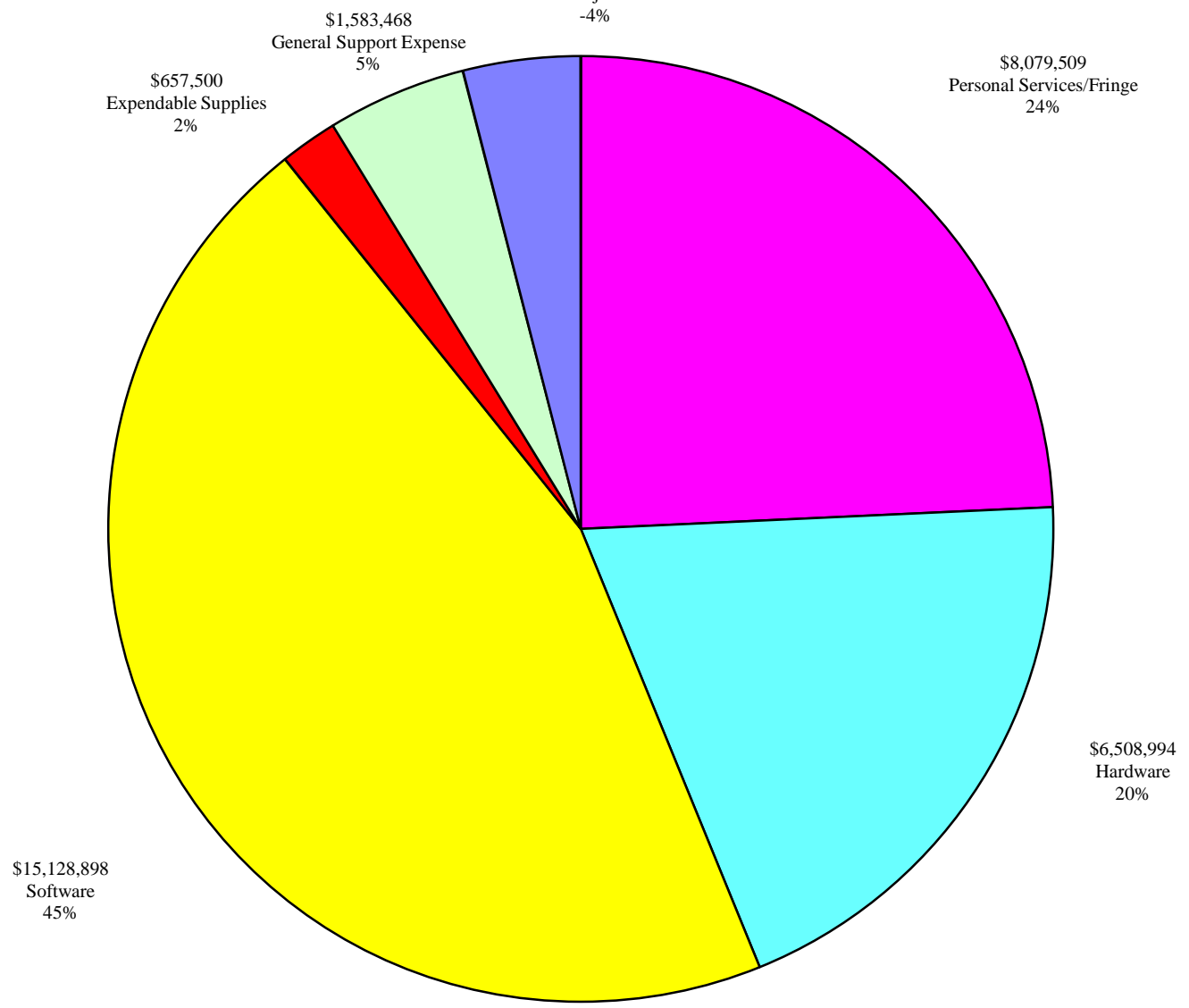
FY16 State Data Center
Personnel Allocation

SDC CAP itsd

$560,442
Administrative
Personnel - 6.57 FTE
7%

$1,595,968 Operations
Personnel - 30 FTE
20%

$5,923,090
Technical Support
Personnel - 71.70 FTE
73%
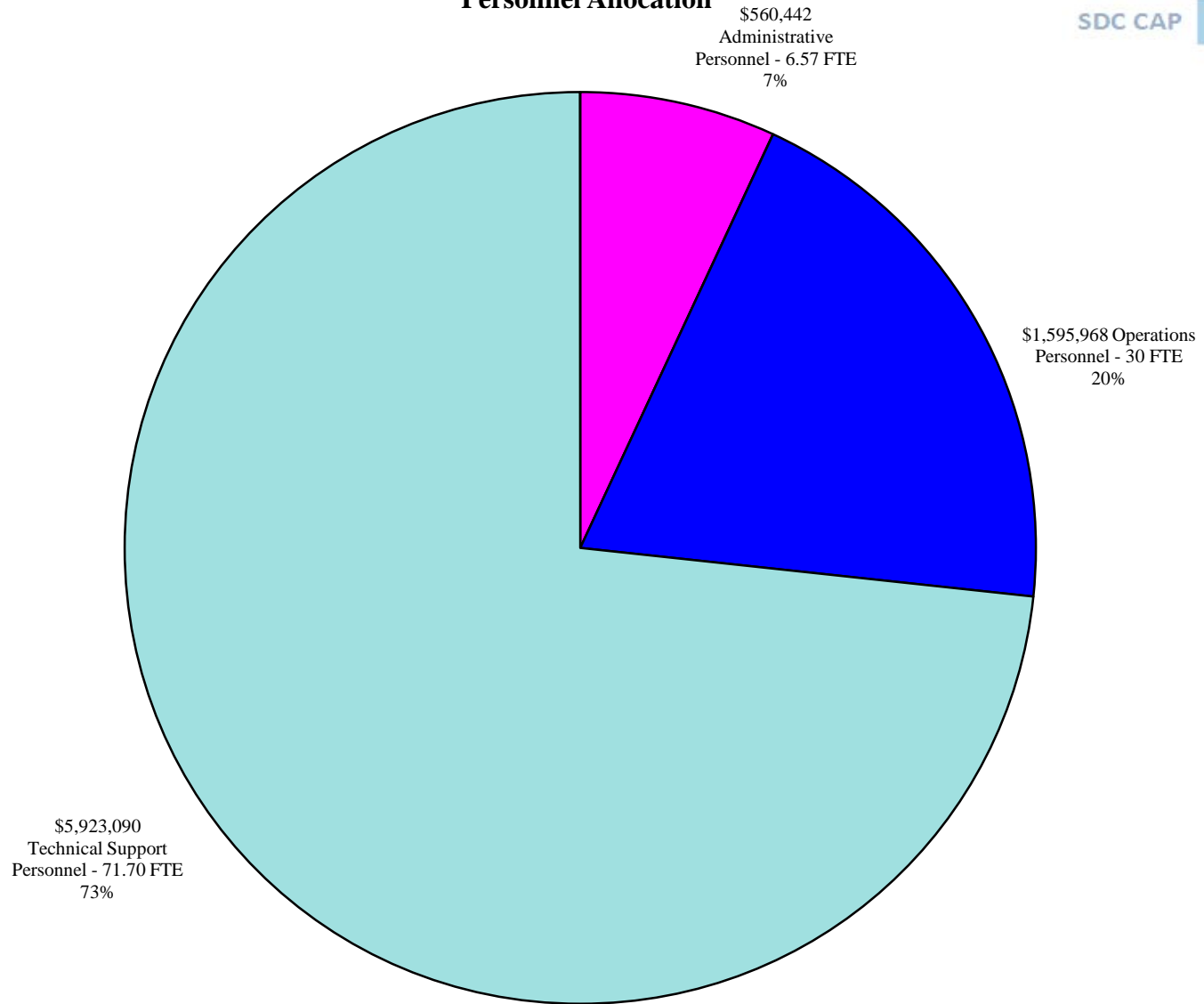
FY16 Budget Detail

Item Number	Description	$ FY15 CAP	$ FY16 CAP
	Personnel		
	Administrative Personnel		
1	Accountant I (.2 FTE)	7,697	5,995
2	Accounting Specialist II (.25 FTE)	11,972	12,038
3	Accounting Specialist III (.9 FTE)	52,916	47,886
4	Administrative Office Support Assistant (.25 FTE)	8,250	0
5	Administrative Sr. Office Support Assistant (.29 FTE)	12,094	12,161
6	CIO (.29 FTE)	32,192	32,366
7	Deputy for Operations (.29 FTE)	26,702	26,846
8	Executive I (.25 FTE)	9,001	8,735
9	Executive I (.25 FTE)	18,345	8,735
10	Executive II (.25 FTE)	8,689	8,735
11	Fiscal & Administrative Manager Band 1 (.1 FTE)	14,692	5,909
12	Fiscal & Administrative Manager Band 1 (.5 FTE)	17,225	28,862
13	Fiscal & Administrative Manager Band 2 (.25 FTE)	17,957	18,054
14	Fiscal & Administrative Manager Band 2 (.25 FTE)	16,406	16,495
15	Fiscal & Administrative Manager Band 2 (.25 FTE)	17,047	17,012
16	Fiscal & Administrative Manager Band 2 (.25 FTE)	16,406	16,494
17	Fiscal & Administrative Manager Band 2 (.25 FTE)	34,093	17,138
18	Fiscal & Administrative Manager Band 2 (.5 FTE)	29,384	34,024
19	Fiscal & Administrative Manager Band 3 (.25 FTE)	18,710	18,811
20	Information Technology Manager (.5 FTE)	20,537	0
21	Information Technology Specialist I (.25 FTE)	14,052	14,129
22	Procurement Officer I (.25 FTE)	11,454	11,517
23	Procurement Officer II (.25 FTE)	12,442	12,511
24	Procurement Officer II (.25 FTE)	12,442	12,511
25	Special Asstitant Professional (.5 FTE)	26,074	0
	Total Administrative Personnel	**$466,780**	**$386,966**
	Computer Operations Personnel		
1	Computer Info Tech Supv II	67,792	68,158
2	Info Technology Operator I	25,685	25,824
3	Info Technology Operator I	26,505	26,648
4	Info Technology Operator I	27,349	27,496
5	Info Technology Operator I	25,685	25,824
6	Info Technology Operator I	26,505	26,648
7	Info Technology Operator I	26,505	26,648
8	Info Technology Operator I	29,624	29,784
9	Info Technology Operator II	38,017	38,222
10	Info Technology Operator II	36,004	36,198
11	Info Technology Operator II	36,004	36,198
12	Info Technology Operator II	27,950	28,101
13	Info Technology Operator II	29,338	29,496
14	Info Technology Operator II	27,213	27,360
15	Info Technology Operator II	0	36,204
16	Info Technology Operator II	0	28,104
17	Information Technologist I	0	40,380
18	Information Technologist I	30,808	30,975
19	Information Technologist I	34,750	34,938
20	Information Technologist I	36,004	36,198
21	Information Technologist I	36,004	36,198
22	Information Technologist I	46,022	46,271
23	Information Technologist II	42,478	42,707
24	Information Technologist II	37,342	37,544
25	Information Technologist II	42,478	42,707
26	Information Technologist II	38,717	38,925
27	Information Technologist II	38,717	38,925

Item Number	Description	$ FY15 CAP	$ FY16 CAP
28	Information Technologist II	0	41,940
29	Information Technologist III	41,705	41,930
30	Information Technology Specialist I	55,110	55,408
	Operations Overtime	20,000	20,000
	Total Computer Operations Personnel	**$950,312**	**$1,101,959**
	Technical Support Personnel		
1	Director of State Data Center	83,882	84,335
2	Information Technologist I	30,807	30,974
3	Information Technologist I	0	48,418
4	Information Technologist I	31,339	31,508
5	Information Technologist I	30,808	30,975
6	Information Technologist II	44,056	44,294
7	Information Technologist II	41,705	41,930
8	Information Technologist II	0	36,888
9	Information Technologist II	0	40,380
10	Information Technologist II	0	41,172
11	Information Technologist III	44,056	44,294
12	Information Technologist III	44,912	45,154
13	Information Technologist III	44,912	45,154
14	Information Technologist III	0	49,128
15	Information Technologist IV	44,913	45,155
16	Information Technologist IV	49,770	50,038
17	Information Technologist IV	48,855	49,118
18	Information Technologist IV	48,855	49,118
19	Information Technologist IV	0	49,128
20	Information Technologist IV	0	36,888
21	Information Technologist IV (.1 FTE)	0	0
22	Information Technologist IV (.8 FTE)	0	40,032
23	Information Technology Manager I	77,901	78,321
24	Information Technology Senior Specialist (.8 FTE)	60,426	62,045
25	Information Technology Senior Specialist (.8 FTE)	55,392	56,957
26	Information Technology Spec I	0	61,332
27	Information Technology Spec I (.1 FTE)	0	0
28	Information Technology Spec I (.3 FTE)	0	19,609
29	Information Technology Spec II (.05 FTE)	0	0
30	Information Technology Spec III (.15 FTE)	0	0
31	Information Technology Specialist I	53,990	54,281
32	Information Technology Specialist I	57,425	57,735
33	Information Technology Specialist I	63,645	63,989
34	Information Technology Specialist I	60,994	61,323
35	Information Technology Specialist I	55,110	55,408
36	Information Technology Specialist I	70,818	71,200
37	Information Technology Specialist I	53,990	54,281
38	Information Technology Specialist I	50,820	51,094
39	Information Technology Specialist I	60,994	61,323
40	Information Technology Specialist I	55,111	55,409
41	Information Technology Specialist I	51,807	52,087
42	Information Technology Specialist I	66,358	66,716
43	Information Technology Specialist I	63,645	63,989
44	Information Technology Specialist I	70,818	71,200
45	Information Technology Specialist I	50,820	51,094
46	Information Technology Specialist I	50,820	51,094
47	Information Technology Specialist I	57,425	57,735
48	Information Technology Specialist I	47,625	47,882
49	Information Technology Specialist I	56,471	56,776
50	Information Technology Specialist I	58,326	58,641
51	Information Technology Specialist I	58,326	58,641

Item Number	Description	$ FY15 CAP	$ FY16 CAP
52	Information Technology Specialist I	0	58,715
53	Information Technology Specialist I	0	58,715
54	Information Technology Specialist I (.02 FTE)	1,167	1,174
55	Information Technology Specialist I (.03 FTE)	1,750	1,759
56	Information Technology Specialist I (.33 FTE)	19,248	19,352
57	Information Technology Specialist I (.47 FTE)	36,163	36,358
58	Information Technology Specialist I (.5 FTE)	15,722	15,807
59	Information Technology Specialist I (.5 FTE)	32,102	32,275
60	Information Technology Specialist I (.5 FTE)	16,643	16,733
61	Information Technology Specialist I (.5 FTE)	0	29,358
62	Information Technology Specialist I (.75 FTE)	60,994	45,995
63	Information Technology Specialist I (.8 FTE)	38,311	44,330
64	Information Technology Specialist II	70,818	71,200
65	Information Technology Specialist II	60,994	61,323
66	Information Technology Specialist II	59,789	60,111
67	Information Technology Specialist II	62,319	62,655
68	Information Technology Specialist II	60,994	0
69	Information Technology Specialist II	64,274	64,621
70	Information Technology Specialist II	70,710	71,092
71	Information Technology Specialist II	0	68,160
72	Information Technology Specialist II	63,645	63,989
73	Information Technology Specialist II	60,994	61,323
74	Information Technology Specialist II	63,645	63,989
75	Information Technology Specialist II	65,008	65,359
76	Information Technology Specialist II	61,818	62,151
77	Information Technology Specialist II	63,645	63,989
78	Information Technology Specialist II	66,358	66,716
79	Information Technology Specialist II	63,645	63,989
80	Information Technology Specialist II	67,792	68,158
81	Information Technology Specialist II (.5 FTE)	30,940	0
82	Information Technology Specialist II (.5 FTE)	70,818	0
83	Information Technology Specialist II (.8 FTE)	47,831	48,092
84	Information Technology Specialist II (.8 FTE)	54,234	54,530
85	Information Technology Supervisor	58,583	58,899
86	Infromation Technology Spec I	0	49,535
	Technical Support Overtime	45,000	45,000
	Total Technical Support Personnel	**$3,553,881**	**$4,089,692**
	Total Personnel	**$4,970,973**	**$5,578,617**
	Total Fringe Benefits	**$2,228,487**	**$2,500,894**
	Total Personnel and Fringe Benefits	**$7,199,460**	**$8,079,511**

Normalized Salary for Computer Operations Personnel $1,101,959 / 30 = **$36,732**

Normalized Salary for Technical Support Personnel $4,089,692 / 71.7 = **$57,039**

	Hardware Lease		
103	CPU Lease	420,000	500,000
105	DASD Lease	135,600	135,600
106	DASD Growth	255,000	255,000
107	Data Domain Hardware Lease	0	500,000
108	Disaster Recovery CPU (Springfield Site)	312,156	242,823
111	High Density Tape Drive (VTSM) Growth	170,000	170,000
113	SAN DASD	414,000	414,000
117	VM Hardware Lease	324,730	450,000
	Total Hardware Lease	**$2,031,486**	**$2,667,423**

Hardware Maintenance

| 204 | CPU Maintenance | 418,781 | 0 |

Item Number	Description	$ FY15 CAP	$ FY16 CAP
205	DASD Maintenance	68,000	33,000
206	Data Domain Appliance Maintenance	308,527	308,527
207	Backup Admin Servers Maintenance (TSM Win)	5,040	5,040
210	Fax Server Host Maintenance	5,440	5,440
214	External Coupling Facility	22,950	22,950
222	Print Unwinder/Job Sep/CTS	94,500	110,278
223	Printer Usage	215,250	245,250
224	Printer-Impact	5,460	5,460
225	Printer-Laser	81,900	96,517
229	Remote Server Support	32,000	32,000
230	Service Processor	7,560	7,560
231	SAN Server and Storage Maintenance	391,325	391,325
233	GTX Qualifier Maintenance	2,800	2,800
236	FICON Directors	47,000	27,000
237	Virtual Tape	10,300	10,300
238	VM Server and Storage Maintenance	63,345	80,000
239	Batteries/UPS Maintenance	52,790	52,790
240	Generator Maintenance	8,129	8,129
242	Servers - Maintenance Renewals	13,470	13,470
243	VDI Server Maintenance	20,482	20,482
244	VDI Storage Maintenance	21,733	21,733
245	SVC Hardware Maintenance	2,500	2,500
246	QCX E138 MICR Verifier	0	1,395
	Total Hardware Maintenance	**$1,899,282**	**$1,503,946**
	Software Lease		
302	ACF/SSP	19,080	19,844
303	Softek TDMF Replicator for zOS	25,145	50,000
304	ASF V3 Base plus Document Writing	26,327	0
305	BMC Mainview	111,337	115,791
306	CICS Transaction Gateway	53,216	53,216
307	CICS/TS V5	1,168,742	1,168,742
308	COBOL for OS/390 & VM Alt	153,232	159,361
309	MacKinney Software	7,245	8,800
310	DCF Base	31,679	31,679
311	AFP Toolbox (Toolkit)	3,647	3,647
313	DSF/DSS/HSM OS/390 V2	144,667	114,667
321	Interactive Output Facility (IOF)	5,800	6,032
324	WebSphere MQ for Z/OS	473,502	473,502
328	OGL/370 V1	7,830	7,830
329	OS/390 Version 2	2,161,813	2,248,286
330	Page Print Format Aid/370 V1	4,153	4,153
331	PL/1 Alternate Function	140,569	146,192
332	PSF/MVS	46,783	58,783
333	SDF II MVS	30,938	30,938
335	Red Hat Enterprise\Network Satellite	26,000	30,000
338	DB2 EOS v10	1,027,604	1,027,604
339	Symantic EndPoint Protection Subscription - VM	25,375	30,000
340	Microsoft Server Operating System Subscription	90,000	90,000
341	UDB - DB2 Utilities Suite	32,923	32,923
342	Symantic EndPoint Protection Subscription - Remote Server Support	19,892	19,892
343	Antivirus For Exchange	125,000	125,000
344	Vmware vCloud Enterprise Suite	430,000	320,000
347	BMC TMART	0	23,130
349	Lansweeper	0	864
350	Percise	0	20,949
351	Kiwi Syslog	0	702
352	Microsoft System Center Suite	0	5,408
353	Solarwinds NPM	0	7,481

Item Number	Description	$ FY15 CAP	$ FY16 CAP
354	Solarwinds SAM	0	8,540
355	Solarwinds NTA	0	4,942
356	Orion Polling Engines (4)	0	12,949
357	Orion Web Server	0	92
359	BMC Structured Payment	0	410,500
	Total Software Lease	**$6,392,499**	**$6,872,439**
Software Maintenance			
401	Axceler ControlPoint	7,250	7,250
402	Axceler ControlPoint - SharePoint External	3,625	3,625
403	CA All Fusion	32,933	32,933
404	CA Intertest W/XA-ESA-Batch	69,011	71,772
405	CA Intertest W/XA-ESA-CICS	66,748	69,418
406	CA Librarian	178,219	185,348
408	CA Restart/Recover (CA11)	40,022	41,623
410	CA Scheduling Package (CA7)	158,048	164,370
411	CA TMS (CA1)	67,075	67,075
412	CA UNIPAK	1,231,895	1,231,895
413	IBM Tivoli Omegamon DE V3	48,104	47,646
414	IBM Tivoli Omegamon XE CICS V3	48,104	47,646
415	CL/Supersession for z/OS	48,104	48,572
416	IBM Tivoli Omegamon XE DB2 V4	80,700	80,700
417	IBM Tivoli Omegamon XE z/OS V2	96,208	95,292
418	Catalog/ Disk / HSM Audit and Recovery Utilities	28,042	28,314
419	DB2 Connect	36,191	36,191
420	SEA JCL Plus	18,000	18,720
421	Document Management Systems (MOBIUS)	90,111	90,986
422	Dumpmaster MVS	105,984	107,013
423	Group 1 Software MailStream Plus	21,434	21,230
424	Group 1 Software Zip+4 (Code-1 Plus)	25,925	25,925
425	IBI FOCUS	515,000	0
428	Tivoli WAS\ND	139,906	139,906
429	Insync MVS	90,749	90,749
430	IPSwitch Renewal	6,695	7,956
431	TicToc	7,837	7,912
432	DB2 LUW	8,684	8,684
434	Connect:Direct	11,925	11,925
435	Merrill Consultants MXG	0	1,560
436	MVS Quick Reference	32,188	32,188
437	Microsoft Premiere Support	0	100,000
438	SSL Certificates	1,375	1,375
439	MoveIT Software Maintenance	6,425	9,250
440	Platinum DB2 Tools	758,774	758,774
442	MicroSoft Team Foundation Software Subscription	2,054	2,054
443	SAS Base	146,176	146,176
444	SAS/ STAT	101,867	101,867
445	SAS/ACCESS	96,319	96,319
447	SAS/ETS	101,867	101,867
451	SA Licenses for SQL	0	269,379
452	SI SyncSort	21,802	21,802
454	SPC Systems - COBOL Report Writer Precompiler	2,935	2,935
456	Distributed Print Software Maintenance	30,545	30,545
457	Biscom Software Maintenance	11,400	11,400
458	SSRS Software Maintenance	7,966	7,966
460	Tivoli Storage Management	200,000	625,500
463	Vanguard Security Reporter	53,051	53,051
468	SQL	20,000	20,000
469	VMWare View Software Maintenance	152,650	152,650
470	Microsoft VDA Licensing (Software Subscription)	225,250	170,250

Item Number	Description	$ FY15 CAP	$ FY16 CAP
471	Catalog/ Disk / HSM Audit and Recovery Utilities - zOS Enterprise D	5,405	5,405
472	SDI TN3270 Emulation	11,685	11,685
474	Server Software - Maintenance Renewals - AD & Exchange	293,171	293,171
475	GSF STEPLIB/LLIBEF	3,090	3,090
477	SAN Software	212,438	212,438
478	Vranger Software Maintenance	10,882	10,882
479	VMWare vSphere License Maintenance	207,075	207,075
480	SolarWinds Storage Manager Maintenance	8,398	8,398
481	Server Software - Maintenance Renewals - SharePoint Internal	2,457	2,457
482	Server Software - Maintenance Renewals - SharePoint Exteranl	351	351
483	JIRA License	4,160	4,160
484	JIRA Plugin	700	700
485	zOS DB2 Guardian Encryption Maintenance	40,530	40,530
486	zOS Pitney Bowes Mail360	15,750	15,750
487	Solimar Software Maintenance	0	39,655
489	InfoSphere Guardium Maintenance	0	196,193
490	Rocket Software, Fast Audit & Catalog Audit	0	6,000
492	Microsoft Exchange Server SA	0	105,000
493	IP Switch MoveIT Central 2nd License for Load Balance Server	0	55,000
	Total Software Maintenance	**$6,071,265**	**$6,725,524**
Hardware Purchase			
502	24-Port Fax Cards for Server	19,822	20,000
503	Deduplication/Replication Purchase - DistSys Backup-Recovery	137,535	83,334
504	SAN - New/Replacement Purchases	194,701	0
505	Deduplication/Replication Purchase - AD & Exchange	63,659	0
506	Desktop Comuter Equipment	13,362	6,681
509	Tools for Staff	38,000	38,000
510	Servers - New/Replacement Purchases	58,334	0
512	TSM Hardware Purchase - DistSys Backup-Recovery	50,869	33,334
513	DASD Purchase	0	100,000
514	VM Hardware Purchase	160,000	500,000
517	VDI Server and Upgrades	70,250	360,000
518	VDI Storage and Upgrades	155,000	529,950
519	SAN Hardware Upgrade	529,000	515,667
520	InfoPrint Hardware Purchase	133,334	133,334
522	Hosted Rack	0	1,275
523	PDU for Dual Power - Hosted Rack	0	1,300
524	KVM (32 port KVM and Cables) - Hosted Rack	0	8,900
525	Cabling for Hosted Rack	0	100
526	Desktop Computer Equipment - iConvert	0	2,550
527	Desktop Computer Equipment - Monitoring	0	3,200
	Total Hardware Purchase	**$1,623,866**	**$2,337,625**
Software Purchase			
602	Distributed Print Software	27,333	0
606	TSM Software Purchase	300,000	300,000
607	VM Software Purchase	346,502	150,000
608	Vranger License Enhancement	23,400	23,400
609	VMWare View Licensing	86,000	86,000
610	Trend Micro ScanMail Security Software	98,500	98,500
611	ISA for Webmail Software	2,880	2,880
612	Enterprise Vault Software Upgrade	220,000	440,000
613	BMC ProactiveNet Performance Management Suite	110,000	110,000
615	Biscom Enterprise Fax Software	9,124	15,000
616	Microsoft Server Operating System Purchase	70,702	70,702
617	SharePoint 2013 Upgrade	50,000	50,000
618	Microsoft System Center Suite	0	24,453
620	Fog Light Purchase (30 Servers)	0	20,000

Item Number	Description	$ FY15 CAP	$ FY16 CAP
621	Microsoft External Connector License	0	140,000
	Total Software Purchase	**$1,344,441**	**$1,530,935**
	Expendable Supplies		
701	Magnetic Tapes & Supplies	2,500	2,500
704	Paper	335,000	390,000
705	Paper Storage and Transport Transfer	5,000	5,000
706	Printer Supplies	225,000	260,000
	Total Expendable Supplies	**$567,500**	**$657,500**
	General Support Expense		
802	Consulting Service	60,000	60,000
807	IBM Server Support Line	25,000	25,000
808	MAN Connection/ANS Support/RLS Charges	112,800	112,800
811	Office Supplies, Equipment and Maintenance	12,500	12,500
812	Pagers & Cell Phones	8,000	14,000
813	Electrical Distribution, Maintenance	100,000	100,000
814	Postage/Inter Agency Mail Delivery	4,000	4,000
815	Printing and Binding	3,500	3,500
816	Cabinets, Furniture & Building Changes	100,000	100,000
818	S390 SoftwarExcel	150,468	150,468
820	Subscriptions & Publications	7,000	7,000
821	Telephone Service and Equipment	57,500	57,500
822	Training & Professional Development	10,000	100,000
823	Travel	15,000	15,000
824	Resource Oversight	108,000	54,000
825	VPN - Access Charge	3,000	3,000
826	VM Additional Charges for SQL	0	158,162
827	SSL Certificates	4,000	4,000
828	Service Deployment Appliance	65,000	65,000
829	Shredding	1,500	1,500
830	SAN/NAS Support Line	10,000	10,000
831	Disaster Recovery Rental (Springnet)	115,000	119,600
832	Disaster Recovery Electric (Springnet)	38,000	39,520
833	RedHat/JBoss Support	6,000	6,000
835	AD & Exchange Contractor Services	20,000	20,000
836	AD & Exchange Training\Travel\Tools for Staff	7,000	7,000
837	FTP Training\Travel\Tools for Staff	3,000	3,000
838	SAN Training\Travel\Tools for Staff	15,000	15,000
839	SQL Training\Travel\Tools for Staff	0	26,804
840	SharePoint Training\Travel\Tools for Staff	7,000	14,000
841	VM Training\Travel\Tools for Staff	4,000	4,000
842	TSM Training\Travel\Tools for Staff	10,000	10,000
843	TFS Training\Travel\Tools for Staff	300	300
845	WAS Training\Travel\Tools for Staff	4,500	4,500
846	VM Additional Charges for Was	14,729	14,729
847	VM Additional Charges for FTP	1,966	1,966
848	VM Additional Charges for SharePoint Internal	638	638
849	VM Additional Charges for SharePoint External	195	195
850	VM Additional Charges for TFS	2,594	2,594
852	VM Additional Charges for SSRS	1,659	1,659
853	SSRS Training\Travel\Tools for Staff	550	550
854	Fax Circuit Installation Charge (One-time Cost)	292	300
855	Fax Circuit Charge - 6 PRI Circuits	45,960	45,960
856	SSRS Staff Computer Replacement	900	900
857	Fiscal Software	20,000	102,000
858	Fiscal Costs	3,500	3,500
859	CPU Training\Travel\Tools for Staff	10,000	30,000
860	CICS Training\Travel\Tools for Staff	5,000	5,000

Item Number	Description	$ FY15 CAP	$ FY16 CAP
861	Monitoring Training\Travel\Tools for Staff	0	30,000
862	Vanguard - Health Review	0	15,000
863	Watson & Walker Publication	0	1,323
	Total General Support Expense	**$1,195,051**	**$1,583,468**
Cost Adjustment			
901	AD & Exchange Capital Cost	0	-541,380
902	AD & Exchange Depreciation	0	140,759
909	CPU Capital Cost	0	-44,681
910	CPU Depreciation	0	96,035
911	DistSys Backup-Recovery Capital Cost	0	-440,068
912	DistSys Backup-Recovery Depreciation	0	195,013
913	Enterprise Fax Capital Cost	0	-35,000
914	Enterprise Fax Depreciation	0	9,100
917	Hosted Rack Capital Cost	0	-11,575
918	Hosted Rack Depreciation	0	3,010
919	Indirect Capital Cost	0	-140,000
920	Indirect Depreciation	0	81,752
923	Print Capital Cost	0	-133,334
924	Print Depreciation	0	112,246
927	Remote Server Support Capital Cost	0	-70,702
928	Remote Server Support Depreciation	0	18,383
929	SAN Capital Cost	0	-515,667
930	SAN Depreciation	0	606,483
931	SharePoint External Capital Cost	0	-25,000
932	SharePoint External Depreciation	0	6,500
933	SharePoint Internal Capital Cost	0	-25,000
934	SharePoint Internal Depreciation	0	6,500
941	VDI Capital Cost	0	-975,950
942	VDI Depreciation	0	365,761
943	VM Capital Cost	0	-780,000
944	VM Depreciation	0	388,357
947	zOS Data Storage Capital Cost	0	-100,000
948	zOS Data Storage Capital Cost	0	541,242
951	zOS Enterprise Data Backup Capital Cost	0	-170,000
952	zOS Enterprise Data Backup Depreciation	0	103,378
955	iConvert Capital Cost	0	-2,550
956	iConvert Depreciation	0	663
	Total Cost Adjustment	**$0**	**($1,335,725)**
Total Expense + Equipment:		**$21,125,390**	**$22,543,135**
Grand Total		**$28,324,850**	**$30,622,646**

Utilization Estimates (D)

FY16 Utilization Estimate Assumptions

Utilization for the FY16 Cost Allocation Plan, was provided by the State Data Center Staff, based on historical usage and projections.

FY16 Utilization Estimates by Customer

Agency	CICS Transactions	All Fusion Service Units	CPU Service Units
Senate	54,606	0	27,581,010
House of Representatives	138,003	0	89,264,648
Legislative Research	18,864	0	2,853,208
State Courts Administrator	1,359,181	0	867,511,074
Secretary of State	553,005	0	366,025,816
Auditor	69,498	0	56,928,291
Treasurer	80,419	0	17,934,450
Attorney General	265,085	0	100,813,346
OA/ITSD Systems & Programming	468,615	431,718,232	9,499,551,970
OA/Missouri Ethics Commission	6,950	0	1,494,537
OA/Depty Commissioner	292,884	0	230,022,905
OA/Accounting	4,936,341	0	3,498,983,979
OA/Budget and Planning	152,896	0	162,632,851
OA/ITSD Production	10,828,775	0	59,353,110,494
OA/Design and Construction	265,085	0	88,992,914
OA/Personnel	10,703,678	0	2,425,362,600
OA/Purchasing	682,073	0	662,623,573
OA/General Services	2,421,507	0	1,116,011,898
OA/Facilities Management	985,878	0	467,246,763
OA/Administrative Hearing Commission	16,878	0	7,472,687
OA/OIT	0	0	0
Dept of Agriculture	507,335	0	175,676,088
Dept of Insurance	457,694	0	420,508,501
Dept of Conservation	692,001	0	378,797,318
Dept of Economic Development	1,929,065	0	3,167,604,259
Dept of Elementary & Secondary ED	2,331,160	0	1,200,521,200
Dept of Higher Education	173,745	0	210,865,652
Dept of Health & SS	25,596,098	0	19,515,806,308
Dept of Transportation	9,313,719	0	3,830,363,700
Dept of Labor & Industrial Relation	183,676,151	823,717	88,480,015,615
Dept of Mental Health	8,859,004	0	16,559,067,700
Dept of Natural Resources	3,181,021	0	7,089,406,480
Dept of Public Safety	2,587,310	0	1,358,262,837
Missouri State Highway Patrol	132,212,913	581,812	31,344,662,877
Kansas City Police Dept	74,462	0	2,989,075
ReJIS	90,316,566	0	5,336,585,748
Dept of Revenue	153,253,916	0	278,268,884,857
Lottery Commission	236,293	0	69,971,528
State Tax Commission	43,684	0	10,597,630
Highway Reciprocity Commission	0	0	0
Dept of Social Services	1,526,376,679	2,566,876,239	690,593,841,710
Dept of Corrections	9,120,118	0	2,798,589,369
Others	1,343,296	0	144,562,535
Agency Total :	**2,186,582,450**	**3,000,000,000**	**1,230,000,000,000**

FY16 Utilization Estimates by Customer

Agency	CICS Transactions	All Fusion Service Units	CPU Service Units
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
FAX Job Costs	0	0	0
AIX Job Costs	0	0	0
iConvert Job Costs	0	0	0
Monitoring Job Costs	0	0	0
Job Costs :	**0**	**0**	**0**
Grand Total :	**2,186,582,450**	**3,000,000,000**	**1,230,000,000,000**

FY16 Utilization Estimates by Customer

Agency	DistSys Backup Recovery	zOS Enterprise Data Backup	zOS DB2 Service Units
Senate	0	0	52,362,293
House of Representatives	0	0	188,815,938
Legislative Research	0	0	1,438,403
State Courts Administrator	0	312	789,984,649
Secretary of State	0	0	291,428,487
Auditor	0	61,010	37,152,072
Treasurer	8,097,869	260	15,481,318
Attorney General	0	0	86,001,310
OA/ITSD Systems & Programming	16,565,459	2,450,933	10,425,760,466
OA/Missouri Ethics Commission	0	0	2,094,472
OA/Depty Commissioner	2,711	0	61,454,116
OA/Accounting	0	12,400	3,732,062,548
OA/Budget and Planning	0	0	139,944,780
OA/ITSD Production	14,349,327	57,710,429	30,118,069,879
OA/Design and Construction	0	1,059	29,356,314
OA/Personnel	1,928,476	3,511	1,480,849,050
OA/Purchasing	14,826	75	242,981,885
OA/General Services	61,341	93,501	1,169,285,701
OA/Facilities Management	7,103,588	24,247	450,090,636
OA/Administrative Hearing Commission	463,618	0	3,166,029
OA/OIT	0	0	0
Dept of Agriculture	8,097,869	0	217,515,232
Dept of Insurance	8,097,869	2,463	409,256,898
Dept of Conservation	0	0	277,226,440
Dept of Economic Development	24,293,607	867	791,868,145
Dept of Elementary & Secondary ED	32,391,476	0	1,419,578,042
Dept of Higher Education	8,097,869	0	163,978,360
Dept of Health & SS	32,391,476	0	11,429,271,232
Dept of Transportation	0	0	2,460,120,742
Dept of Labor & Industrial Relation	56,685,084	9,647,361	2,668,307,277
Dept of Mental Health	129,565,906	175,355	15,406,434,445
Dept of Natural Resources	97,174,429	193,827	4,470,560,090
Dept of Public Safety	8,097,869	0	1,483,241,135
Missouri State Highway Patrol	0	647,139	21,930,350,565
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	72,880,822	5,735,187	151,611,771,822
Lottery Commission	0	0	45,146,856
State Tax Commission	0	0	6,272,774
Highway Reciprocity Commission	0	0	0
Dept of Social Services	64,782,953	9,963,546	733,266,582,442
Dept of Corrections	16,195,738	0	2,220,200,323
Others	0	0	404,536,837
Agency Total :	**607,340,183**	**86,723,481**	**1,000,000,000,000**

FY16 Utilization Estimates by Customer

Agency	DistSys Backup Recovery	zOS Enterprise Data Backup	zOS DB2 Service Units
FOCUS Job Costs	0	0	0
CICS Job Costs	0	1,246,537	0
CPU Job Costs	0	54,016,621	0
DB2 Job Costs	0	3,462,604	0
IDMS Job Costs	0	277,008	0
IEF/COOLGen Job Costs	0	0	0
DSM Job Costs	0	0	0
VM Job Costs	0	0	0
AD-Exchange Job Costs	157,408,820	0	0
Print Job Costs	60,542	0	0
VDI Job Costs	920,659	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	40,166	0
SharePoint Internal Job Costs	693,083	0	0
SharePoint External Job Costs	114,981	0	0
TFS Job Costs	100,903	0	0
WAS Job Costs	0	0	0
SSRS Job Costs	360,829	0	0
JIRA Job Costs	0	0	0
FAX Job Costs	0	0	0
AIX Job Costs	0	0	0
iConvert Job Costs	0	0	0
Monitoring Job Costs	0	0	0
Job Costs :	**159,659,817**	**59,042,936**	**0**
Grand Total :	**767,000,000**	**145,766,418**	**1,000,000,000,000**

FY16 Utilization Estimates by Customer

Agency	zOS Data Storage	AD User ID	AD Exchange Mailboxes
Senate	0	42	0
House of Representatives	0	73	0
Legislative Research	0	0	0
State Courts Administrator	4	52	0
Secretary of State	189	1,484	0
Auditor	579	42	0
Treasurer	17	648	0
Attorney General	0	3,313	12
OA/ITSD Systems & Programming	263,939	0	6,136
OA/Missouri Ethics Commission	0	157	365
OA/Depty Commissioner	0	10	778
OA/Accounting	235	0	424
OA/Budget and Planning	0	21	801
OA/ITSD Production	1,162,261	167	2,485
OA/Design and Construction	6	0	0
OA/Personnel	4,769	73	836
OA/Purchasing	17	52	836
OA/General Services	1,587	167	1,260
OA/Facilities Management	296	512	8,032
OA/Administrative Hearing Commission	0	32	483
OA/OIT	0	4,075	19,609
Dept of Agriculture	0	283	4,381
Dept of Insurance	27	366	8,586
Dept of Conservation	1	95	0
Dept of Economic Development	28,211	16,091	7,891
Dept of Elementary & Secondary ED	0	5,339	19,150
Dept of Higher Education	0	679	1,143
Dept of Health & SS	24,005	5,266	28,489
Dept of Transportation	255	240	0
Dept of Labor & Industrial Relation	472,400	1,954	13,415
Dept of Mental Health	53,736	217,156	80,721
Dept of Natural Resources	9,299	15,318	24,686
Dept of Public Safety	1	1,358	14,474
Missouri State Highway Patrol	51,156	10	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	1,508,414	7,471	21,093
Lottery Commission	0	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	218	0	0
Dept of Social Services	4,663,114	13,301	104,053
Dept of Corrections	0	4,002	160,171
Others	0	73	1,602
Agency Total :	**8,244,736**	**299,922**	**531,912**

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FY16 Utilization Estimates by Customer

Agency	zOS Data Storage	AD User ID	AD Exchange Mailboxes
FOCUS Job Costs	0	0	0
CICS Job Costs	32,840	0	0
CPU Job Costs	760,003	78	1,088
DB2 Job Costs	534,817	0	0
IDMS Job Costs	60,988	0	0
IEF/COOLGen Job Costs	0	0	0
DSM Job Costs	66,618	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
FAX Job Costs	0	0	0
AIX Job Costs	0	0	0
iConvert Job Costs	0	0	0
Monitoring Job Costs	0	0	0
Job Costs :	**1,455,264**	**78**	**1,088**
Grand Total :	**9,700,000**	**300,000**	**533,000**

FY16 Utilization Estimates by Customer

Agency	zOS IDMS	Print (Lines)	Print (Laser)
Senate	0	0	0
House of Representatives	0	0	0
Legislative Research	0	0	0
State Courts Administrator	102,157	0	297
Secretary of State	168	0	0
Auditor	0	0	687
Treasurer	0	0	0
Attorney General	0	0	0
OA/ITSD Systems & Programming	18,503	0	6,667
OA/Missouri Ethics Commission	0	0	0
OA/Depty Commissioner	0	0	0
OA/Accounting	0	186,895	2,353
OA/Budget and Planning	0	0	5,670
OA/ITSD Production	0	0	225,680
OA/Design and Construction	0	0	0
OA/Personnel	6,136	0	8,557
OA/Purchasing	0	0	7,100
OA/General Services	918	83,852	96,669
OA/Facilities Management	0	0	21,381
OA/Administrative Hearing Commission	0	0	0
OA/OIT	0	0	0
Dept of Agriculture	0	0	0
Dept of Insurance	6,060	0	0
Dept of Conservation	196,177	0	366
Dept of Economic Development	36,342	0	1,272
Dept of Elementary & Secondary ED	0	0	0
Dept of Higher Education	0	0	77
Dept of Health & SS	15,362,066	275,100	120,045
Dept of Transportation	45,274	0	103
Dept of Labor & Industrial Relation	580,909	0	7,001,180
Dept of Mental Health	70,436	0	11
Dept of Natural Resources	0	0	3,565
Dept of Public Safety	0	0	0
Missouri State Highway Patrol	15,650,431	0	0
Kansas City Police Dept	18	0	0
ReJIS	14,880,527	0	0
Dept of Revenue	161,198,558	1,237,753	12,461,334
Lottery Commission	0	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	0	0	0
Dept of Social Services	191,573,768	500,601	39,043,367
Dept of Corrections	0	0	0
Others	271,550	0	0
Agency Total :	**400,000,000**	**2,284,200**	**59,006,382**

FY16 Utilization Estimates by Customer

Agency	zOS IDMS	Print (Lines)	Print (Laser)
FOCUS Job Costs	0	0	0
CICS Job Costs	0	0	805
CPU Job Costs	0	13,490	32,185
DB2 Job Costs	0	0	322
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
FAX Job Costs	0	0	0
AIX Job Costs	0	0	0
iConvert Job Costs	0	0	0
Monitoring Job Costs	0	0	0
Job Costs :	**0**	**13,490**	**33,312**
Grand Total :	**400,000,000**	**2,297,690**	**59,039,694**

FY16 Utilization Estimates by Customer

Agency	VM Images	Physical Server Support	SAN Storage
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	231	0	136,235
Treasurer	231	0	136,235
Attorney General	0	0	0
OA/ITSD Systems & Programming	626	0	394,917
OA/Missouri Ethics Commission	0	0	0
OA/Depty Commissioner	0	0	0
OA/Accounting	0	0	0
OA/Budget and Planning	0	0	0
OA/ITSD Production	890	134	337,479
OA/Design and Construction	0	0	0
OA/Personnel	68	0	27,878
OA/Purchasing	0	0	0
OA/General Services	5	0	0
OA/Facilities Management	163	10	138,814
OA/Administrative Hearing Commission	17	0	6,592
OA/OIT	0	0	0
Dept of Agriculture	219	0	132,695
Dept of Insurance	463	21	272,469
Dept of Conservation	0	0	0
Dept of Economic Development	357	113	238,893
Dept of Elementary & Secondary ED	769	0	782,726
Dept of Higher Education	439	0	131,974
Dept of Health & SS	2,009	10	917,798
Dept of Transportation	0	0	0
Dept of Labor & Industrial Relation	901	10	347,096
Dept of Mental Health	2,084	205	1,609,866
Dept of Natural Resources	925	10	1,497,380
Dept of Public Safety	412	0	104,555
Missouri State Highway Patrol	0	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	2,113	31	918,664
Lottery Commission	0	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	0	0	0
Dept of Social Services	1,103	144	675,086
Dept of Corrections	463	0	136,235
Others	0	0	0
Agency Total :	**14,489**	**688**	**8,943,585**

FY16 Utilization Estimates by Customer

Agency	VM Images	Physical Server Support	SAN Storage
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	1,250,568
AD-Exchange Job Costs	2,281	596	873,768
Print Job Costs	136	0	3,297
VDI Job Costs	413	764	0
Server Support Job Costs	0	0	0
TSM Job Costs	559	0	0
Data Domain Job Costs	0	0	0
SQL Job Costs	2,784	0	853,512
FTP Job Costs	34	0	0
SharePoint Internal Job Costs	86	0	0
SharePoint External Job Costs	17	0	0
TFS Job Costs	84	0	0
WAS Job Costs	0	0	0
SSRS Job Costs	103	0	0
JIRA Job Costs	79	0	0
FAX Job Costs	0	0	0
AIX Job Costs	0	0	0
iConvert Job Costs	79	0	0
Monitoring Job Costs	0	0	0
Job Costs :	**6,655**	**1,360**	**2,981,145**
Grand Total :	**21,144**	**2,048**	**11,924,731**

FY16 Utilization Estimates by Customer

Agency	WAS Image	Enterprise Fax Services	Remote Server Support
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	139
OA/Missouri Ethics Commission	0	0	0
OA/Depty Commissioner	0	0	0
OA/Accounting	0	0	0
OA/Budget and Planning	0	0	0
OA/ITSD Production	47	526	140
OA/Design and Construction	0	0	0
OA/Personnel	0	0	12
OA/Purchasing	0	0	0
OA/General Services	0	0	0
OA/Facilities Management	0	0	0
OA/Administrative Hearing Commission	0	0	0
OA/OIT	0	239,209	0
Dept of Agriculture	0	1,037	0
Dept of Insurance	0	580	84
Dept of Conservation	0	0	0
Dept of Economic Development	0	0	9
Dept of Elementary & Secondary ED	0	2,750	366
Dept of Higher Education	50	0	0
Dept of Health & SS	0	36,089	178
Dept of Transportation	0	344,035	0
Dept of Labor & Industrial Relation	62	2,076,872	141
Dept of Mental Health	0	4,412	1,350
Dept of Natural Resources	53	0	225
Dept of Public Safety	0	4,880	187
Missouri State Highway Patrol	0	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	50	595,462	57
Lottery Commission	0	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	0	0	0
Dept of Social Services	0	18	1,800
Dept of Corrections	50	1	919
Others	0	0	0
Agency Total :	**312**	**3,305,870**	**5,606**

FY16 Utilization Estimates by Customer

Agency	WAS Image	Enterprise Fax Services	Remote Server Support
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	394
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
FAX Job Costs	0	0	0
AIX Job Costs	0	0	0
iConvert Job Costs	0	0	0
Monitoring Job Costs	0	0	0
Job Costs :	**0**	**0**	**394**
Grand Total :	**312**	**3,305,870**	**6,000**

FY16 Utilization Estimates by Customer

Agency	VDI	SQL Base	SQL Memory
Senate	0	0	0
House of Representatives	0	0	0
Legislative Research	0	0	0
State Courts Administrator	0	0	0
Secretary of State	18	0	0
Auditor	0	0	0
Treasurer	0	0	0
Attorney General	0	0	0
OA/ITSD Systems & Programming	4,481	1,500	0
OA/Missouri Ethics Commission	0	0	0
OA/Depty Commissioner	176	60	0
OA/Accounting	176	0	0
OA/Budget and Planning	123	0	0
OA/ITSD Production	1,213	912	1,344
OA/Design and Construction	0	0	0
OA/Personnel	159	180	36
OA/Purchasing	0	24	0
OA/General Services	562	240	36
OA/Facilities Management	141	636	288
OA/Administrative Hearing Commission	0	48	0
OA/OIT	0	0	0
Dept of Agriculture	176	864	0
Dept of Insurance	2,742	144	96
Dept of Conservation	0	0	0
Dept of Economic Development	1,477	2,544	264
Dept of Elementary & Secondary ED	1,283	2,184	1,104
Dept of Higher Education	70	0	0
Dept of Health & SS	3,252	1,380	1,152
Dept of Transportation	0	0	0
Dept of Labor & Industrial Relation	1,740	636	456
Dept of Mental Health	651	11,796	3,336
Dept of Natural Resources	2,988	648	48
Dept of Public Safety	826	480	48
Missouri State Highway Patrol	0	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	2,250	2,388	756
Lottery Commission	0	0	0
State Tax Commission	141	2,328	72
Highway Reciprocity Commission	0	0	0
Dept of Social Services	9,876	1,860	1,380
Dept of Corrections	440	420	24
Others	0	0	0
Agency Total :	**34,959**	**31,272**	**10,440**

FY16 Utilization Estimates by Customer

Agency	VDI	SQL Base	SQL Memory
FOCUS Job Costs	0	0	0
CICS Job Costs	0	0	0
CPU Job Costs	0	24	120
DB2 Job Costs	0	0	0
IDMS Job Costs	0	0	0
IEF/COOLGen Job Costs	0	0	0
DSM Job Costs	0	12	0
VM Job Costs	0	0	0
AD-Exchange Job Costs	0	960	360
Print Job Costs	0	0	0
VDI Job Costs	0	288	168
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	41	0	0
SharePoint Internal Job Costs	0	0	0
SharePoint External Job Costs	0	0	0
TFS Job Costs	0	780	192
WAS Job Costs	0	0	0
SSRS Job Costs	0	0	0
JIRA Job Costs	0	36	0
FAX Job Costs	0	0	0
AIX Job Costs	0	0	0
iConvert Job Costs	0	0	0
Monitoring Job Costs	0	0	0
Job Costs :	**41**	**2,100**	**840**
Grand Total :	**35,000**	**33,372**	**11,280**

FY16 Utilization Estimates by Customer

Agency	SQL Overage	SQL License	TFS
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	5,576	0	12
OA/Missouri Ethics Commission	0	0	0
OA/Depty Commissioner	0	0	0
OA/Accounting	0	0	0
OA/Budget and Planning	0	0	0
OA/ITSD Production	11,471	384	0
OA/Design and Construction	0	0	0
OA/Personnel	169	24	0
OA/Purchasing	0	0	0
OA/General Services	101	96	0
OA/Facilities Management	14,853	180	0
OA/Administrative Hearing Commission	509	0	0
OA/OIT	0	0	0
Dept of Agriculture	2,573	0	12
Dept of Insurance	197	60	12
Dept of Conservation	0	0	0
Dept of Economic Development	5,368	156	12
Dept of Elementary & Secondary ED	116,107	288	12
Dept of Higher Education	0	0	0
Dept of Health & SS	66,889	432	0
Dept of Transportation	0	0	12
Dept of Labor & Industrial Relation	10,069	240	12
Dept of Mental Health	331,708	1,164	12
Dept of Natural Resources	4,509	120	12
Dept of Public Safety	346	36	12
Missouri State Highway Patrol	0	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	12,047	360	0
Lottery Commission	0	0	0
State Tax Commission	10,315	72	12
Highway Reciprocity Commission	0	0	0
Dept of Social Services	5,531	336	12
Dept of Corrections	3,500	36	0
Others	0	0	0
Agency Total :	**601,837**	**3,984**	**144**

FY16 Utilization Estimates by Customer

Agency	SQL Overage	SQL License	TFS
FOCUS Job Costs	0	0	0
CICS Job Costs	0	0	0
CPU Job Costs	1,691	96	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	27,805	120	0
Print Job Costs	0	0	0
VDI Job Costs	812	120	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	698	84	0
WAS Job Costs	0	0	0
SSRS Job Costs	0	0	0
JIRA Job Costs	114	0	0
FAX Job Costs	0	0	0
AIX Job Costs	0	0	0
iConvert Job Costs	0	0	0
Monitoring Job Costs	0	0	0
Job Costs :	**31,120**	**420**	**0**
Grand Total :	**632,958**	**4,404**	**144**

FY16 Utilization Estimates by Customer

Agency	SharePoint Internal	SharePoint Exteranl	FTP
Senate	0	0	0
House of Representatives	0	0	0
Legislative Research	0	0	0
State Courts Administrator	0	0	60
Secretary of State	0	0	12
Auditor	0	0	36
Treasurer	0	0	0
Attorney General	0	0	96
OA/ITSD Systems & Programming	0	24	1,464
OA/Missouri Ethics Commission	0	0	0
OA/Depty Commissioner	0	0	0
OA/Accounting	36	0	0
OA/Budget and Planning	0	0	0
OA/ITSD Production	0	0	0
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	0
OA/Administrative Hearing Commission	0	0	0
OA/OIT	0	0	0
Dept of Agriculture	36	0	1,092
Dept of Insurance	36	0	1,644
Dept of Conservation	0	0	12
Dept of Economic Development	36	12	1,548
Dept of Elementary & Secondary ED	72	12	384
Dept of Higher Education	0	12	648
Dept of Health & SS	36	12	1,536
Dept of Transportation	0	0	84
Dept of Labor & Industrial Relation	36	0	684
Dept of Mental Health	36	12	324
Dept of Natural Resources	36	0	5,052
Dept of Public Safety	36	24	1,440
Missouri State Highway Patrol	0	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	36	0	10,260
Lottery Commission	0	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	0	0	0
Dept of Social Services	36	12	6,768
Dept of Corrections	0	0	600
Others	36	12	0
Agency Total :	**504**	**132**	**33,744**

FY16 Utilization Estimates by Customer

Agency	SharePoint Internal	SharePoint External	FTP
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
FAX Job Costs	0	0	0
AIX Job Costs	0	0	0
iConvert Job Costs	0	0	0
Monitoring Job Costs	0	0	0
Job Costs :	**0**	**0**	**0**
Grand Total :	**504**	**132**	**33,744**

FY16 Utilization Estimates by Customer

Agency	AIX	SSRS	JIRA
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	12	0
OA/Missouri Ethics Commission	0	0	0
OA/Depty Commissioner	0	0	0
OA/Accounting	0	0	0
OA/Budget and Planning	0	0	0
OA/ITSD Production	0	0	0
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	0
OA/Administrative Hearing Commission	0	0	0
OA/OIT	0	0	0
Dept of Agriculture	0	12	36
Dept of Insurance	0	0	0
Dept of Conservation	0	0	0
Dept of Economic Development	0	12	48
Dept of Elementary & Secondary ED	0	12	996
Dept of Higher Education	0	0	96
Dept of Health & SS	144	12	0
Dept of Transportation	0	0	0
Dept of Labor & Industrial Relation	0	12	1,272
Dept of Mental Health	0	12	0
Dept of Natural Resources	0	12	25,572
Dept of Public Safety	0	0	0
Missouri State Highway Patrol	0	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	0	12	0
Lottery Commission	0	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	0	0	0
Dept of Social Services	2,208	12	5,112
Dept of Corrections	0	0	0
Others	0	0	0
Agency Total :	**2,352**	**120**	**33,132**

FY16 Utilization Estimates by Customer

Agency	AIX	SSRS	JIRA
FOCUS Job Costs	0	0	0
CICS Job Costs	0	0	0
CPU Job Costs	12	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	12	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	12	0
WAS Job Costs	0	0	0
SSRS Job Costs	0	0	0
JIRA Job Costs	0	0	0
FAX Job Costs	0	0	0
AIX Job Costs	0	0	0
iConvert Job Costs	0	0	0
Monitoring Job Costs	0	0	0
Job Costs :	**12**	**24**	**0**
Grand Total :	**2,364**	**144**	**33,132**

FY16 Utilization Estimates by Customer

Agency	Hosted Rack	iConvert	Monitoring
Senate	0	0	0
House of Representatives	0	0	0
Legislative Research	0	0	0
State Courts Administrator	0	2,916	0
Secretary of State	0	0	0
Auditor	0	0	0
Treasurer	0	12	0
Attorney General	0	96	0
OA/ITSD Systems & Programming	0	0	320,688
OA/Missouri Ethics Commission	0	0	0
OA/Depty Commissioner	0	0	0
OA/Accounting	0	0	0
OA/Budget and Planning	0	0	0
OA/ITSD Production	0	60	0
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	0
OA/Administrative Hearing Commission	0	0	0
OA/OIT	0	0	0
Dept of Agriculture	0	12	0
Dept of Insurance	0	0	0
Dept of Conservation	0	0	0
Dept of Economic Development	0	120	0
Dept of Elementary & Secondary ED	0	24	0
Dept of Higher Education	0	12	0
Dept of Health & SS	0	108	0
Dept of Transportation	0	0	0
Dept of Labor & Industrial Relation	0	84	0
Dept of Mental Health	0	120	0
Dept of Natural Resources	0	216	0
Dept of Public Safety	0	192	0
Missouri State Highway Patrol	0	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	0	504	0
Lottery Commission	504	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	0	0	0
Dept of Social Services	0	16,164	0
Dept of Corrections	0	0	0
Others	0	0	0
Agency Total :	**504**	**20,640**	**320,688**

FY16 Utilization Estimates by Customer

Agency	Hosted Rack	iConvert	Monitoring
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
FAX Job Costs	0	0	0
AIX Job Costs	0	0	0
iConvert Job Costs	0	0	0
Monitoring Job Costs	0	0	0
Job Costs :	**0**	**0**	**0**
Grand Total :	**504**	**20,640**	**320,688**

Billing Rate Derivation (E)

FY16 State Data Center
Percent of Total Cost per Rate Category

SDC CAP itsd

- sFTP 1%
- VDI 3%
- SharPoint Internal 0%
- Remote Server Support 2%
- WAS 1%
- CICS Transactions 7%
- zOS IDMS 5%
- All Fusion 0%
- Hosted Rack 1%
- CPU Service Units 27%
- DistSys Backup-Recovery 5%
- SSRS 0%
- AD & Exchange 9%
- TFS 0%
- JIRA 0%
- zOS Data Storage 4%
- zOS Enterprise Data Backup 1%
- AIX Hosted Services 0%
- Enterprise Fax Services 0%
- SQL 6%
- VM Images 5%
- iConvert 0%
- SAN 5%
- zOS DB2 8%
- SharPoint External 0%
- Monitoring 0%
- Print 6%
- Physical Server Support 0%

Category #1   **Lines/Feet Printed**

Estimated Utilization: **59,067,100**

Item Number	Description	$ FY15 CAP	$ FY16 CAP
2	Computer Operations Personnel	191,890	266,307
3	Technical Support Personnel	43,803	42,779
4	Fringe Benefits	105,661	138,563
	Total Personnel	**$341,354**	**$447,649**
222	Print Unwinder/Job Sep/CTS	94,500	110,278
223	Printer Usage	215,250	245,250
224	Printer-Impact	5,460	5,460
225	Printer-Laser	81,900	96,517
246	QCX E138 MICR Verifier	0	1,395
	Total Hardware Maintenance	**$397,110**	**$458,900**
311	AFP Toolbox (Toolkit)	3,647	3,647
328	OGL/370 V1	7,830	7,830
330	Page Print Format Aid/370 V1	4,153	4,153
332	PSF/MVS	46,783	58,783
	Total Software Lease	**$62,413**	**$74,413**
456	Distributed Print Software Maintenance	30,545	30,545
	Total Software Maintenance	**$30,545**	**$30,545**
520	InfoPrint Hardware Purchase	133,334	133,334
	Total Hardware Purchase	**$133,334**	**$133,334**
602	Distributed Print Software	27,333	0
	Total Software Purchase	**$27,333**	**$0**
704	Paper	335,000	390,000
705	Paper Storage and Transport Transfer	5,000	5,000
706	Printer Supplies	225,000	260,000
	Total Expendable Supplies	**$565,000**	**$655,000**
829	Shredding	1,500	1,500
	Total General Support Expense	**$1,500**	**$1,500**
923	Print Capital Cost	0	-133,334
924	Print Depreciation	0	112,246
	Total Cost Adjustment	**$0**	**($21,088)**

Item Number	Description	$ FY15 CAP	$ FY16 CAP
Total Expense + Equipment:		**$1,217,235**	**$1,332,604**
Total Personnel and Expense + Equipment:		**$1,558,589**	**$1,780,253**
Indirect Costs Allocated:		**$125,480**	**$157,470**
Job Costs:			
	SAN	$546	$562
	VM	$16,593	$13,551
	DistSys Backup-Recovery	$115	$167
Total JobCosts:		**$13,941**	**$14,279**
Total Costs:		**$1,698,010**	**$1,952,002**

Rate Calculation Laser Feet Printed:

Total Costs/Utilization

$$\frac{\$1,952,002}{59,067,100} = \$0.0330 \text{ per foot}$$

Rate Calculation Duplex Printed:

Laser Rate x .80

$$\$0.03305 \quad x \quad .80 \quad = \quad \$0.0264 \text{ per foot}$$

Rate Calculation Impact Print

Laser Rate / 83.83 * 1,000

$$\$0.03305 \quad / \quad 83.8383 \quad * \quad 1,000 \quad = \quad \$0.3942 \text{ per 1,000 lines}$$

Category #2   **CPU Service Units**

Estimated Utilization: **1,230,000,000,000**

Item Number	Description	$ FY15 CAP	$ FY16 CAP
2	Computer Operations Personnel	484,294	560,163
3	Technical Support Personnel	584,040	570,389
4	Fringe Benefits	478,934	506,826
	Total Personnel	**$1,547,267**	**$1,637,379**
103	CPU Lease	420,000	500,000
108	Disaster Recovery CPU (Springfield Site)	312,156	242,823
	Total Hardware Lease	**$732,156**	**$742,823**
204	CPU Maintenance	418,781	0
214	External Coupling Facility	22,950	22,950
230	Service Processor	7,560	7,560
239	Batteries/UPS Maintenance	52,790	52,790
240	Generator Maintenance	8,129	8,129
	Total Hardware Maintenance	**$510,210**	**$91,429**
302	ACF/SSP	19,080	19,844
304	ASF V3 Base plus Document Writing	26,327	0
305	BMC Mainview	111,337	115,791
308	COBOL for OS/390 & VM Alt	153,232	159,361
309	MacKinney Software	7,245	8,800
310	DCF Base	31,679	31,679
321	Interactive Output Facility (IOF)	5,800	6,032
329	OS/390 Version 2	2,161,813	2,248,286
331	PL/1 Alternate Function	140,569	146,192
	Total Software Lease	**$2,657,082**	**$2,735,985**
404	CA Intertest W/XA-ESA-Batch	69,011	71,772
406	CA Librarian	178,219	185,348
408	CA Restart/Recover (CA11)	40,022	41,623
410	CA Scheduling Package (CA7)	158,048	164,370
413	IBM Tivoli Omegamon DE V3	48,104	47,646
414	IBM Tivoli Omegamon XE CICS V3	48,104	47,646
415	CL/Supersession for z/OS	48,104	48,572
417	IBM Tivoli Omegamon XE z/OS V2	96,208	95,292
418	Catalog/ Disk / HSM Audit and Recovery Utilities	28,042	28,314
420	SEA JCL Plus	18,000	18,720
421	Document Management Systems (MOBIUS)	90,111	90,986
422	Dumpmaster MVS	105,984	107,013
423	Group 1 Software MailStream Plus	21,434	21,230
424	Group 1 Software Zip+4 (Code-1 Plus)	25,925	25,925
425	IBI FOCUS	515,000	0
429	Insync MVS	90,749	90,749
430	IPSwitch Renewal	6,695	7,956
431	TicToc	7,837	7,912

Item Number	Description	$ FY15 CAP	$ FY16 CAP
434	Connect:Direct	11,925	11,925
435	Merrill Consultants MXG	0	1,560
436	MVS Quick Reference	32,188	32,188
443	SAS Base	146,176	146,176
444	SAS/ STAT	101,867	101,867
445	SAS/ACCESS	96,319	96,319
447	SAS/ETS	101,867	101,867
452	SI SyncSort	21,802	21,802
454	SPC Systems - COBOL Report Writer Precompiler	2,935	2,935
463	Vanguard Security Reporter	53,051	53,051
472	SDI TN3270 Emulation	11,685	11,685
475	GSF STEPLIB/LLIBEF	3,090	3,090
486	zOS Pitney Bowes Mail360	15,750	15,750
	Total Software Maintenance	**$2,194,252**	**$1,701,289**
506	Desktop Comuter Equipment	13,362	6,681
509	Tools for Staff	38,000	38,000
	Total Hardware Purchase	**$51,362**	**$44,681**
818	S390 SoftwarExcel	150,468	150,468
831	Disaster Recovery Rental (Springnet)	115,000	119,600
832	Disaster Recovery Electric (Springnet)	38,000	39,520
859	CPU Training\Travel\Tools for Staff	10,000	30,000
862	Vanguard - Health Review	0	15,000
863	Watson & Walker Publication	0	1,323
	Total General Support Expense	**$313,468**	**$355,911**
909	CPU Capital Cost	0	-44,681
910	CPU Depreciation	0	96,035
	Total Cost Adjustment	**$0**	**$51,354**
Total Expense + Equipment:		**$6,458,530**	**$5,723,472**
Total Personnel and Expense + Equipment:		**$8,005,797**	**$7,360,851**
Indirect Costs Allocated:		**$644,537**	**$651,093**

Job Costs:

		FY15 CAP	FY16 CAP
	Lines Printed	$5	$5
	zOS Enterprise Data Backup	$232,826	$207,980
	Laser Feet Printed	$1,052	$1,064
	zOS Data Storage	$68,855	$110,722
	AD	$78	$73
	AD - Exchange	$5,547	$5,165
	WAS	$0	$0
	DistSys Backup-Recovery	$0	$0
	SAN	$0	$0

Item Number	Description		$ FY15 CAP	$ FY16 CAP
		Physical Server Support	$0	$0
		VM	$0	$0
		Remote Server Support	$0	$0
		VDI	$0	$0
		SQL Base	$0	$656
		SQL Overage	$0	$1,662
		SQL Memory	$0	$662
		SQL License	$0	$10,396
		AIX Hosted Services	$0	$456
Total JobCosts:			**$307,623**	**$338,842**
Total Costs:			**$8,957,957**	**$8,350,786**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$8,350,786}{1,230,000,000,000} \quad x \quad 1,000 \quad = \quad \$0.0068 \quad \text{per 1,000 Service Units}$$

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 Utilliztaion for CPU will be billed at 65% of the CPU Rate.

Category #3   **CICS Transactions**

Estimated Utilization: **2,186,582,450**

Item Number	Description	$ FY15 CAP	$ FY16 CAP
2	Computer Operations Personnel	18,275	18,366
3	Technical Support Personnel	102,207	99,818
4	Fringe Benefits	54,012	52,982
	Total Personnel	**$174,494**	**$171,166**
306	CICS Transaction Gateway	53,216	53,216
307	CICS/TS V5	1,168,742	1,168,742
324	WebSphere MQ for Z/OS	473,502	473,502
333	SDF II MVS	30,938	30,938
	Total Software Lease	**$1,726,398**	**$1,726,398**
405	CA Intertest W/XA-ESA-CICS	66,748	69,418
	Total Software Maintenance	**$66,748**	**$69,418**
860	CICS Training\Travel\Tools for Staff	5,000	5,000
	Total General Support Expense	**$5,000**	**$5,000**

Total Expense + Equipment: **$1,798,146**   **$1,800,816**

Total Personnel and Expense + Equipment: **$1,972,640**   **$1,971,982**

Indirect Costs Allocated: **$158,815**   **$174,429**

Job Costs:

	FY15 CAP	FY16 CAP
zOS Enterprise Data Backup	$5,373	$4,800
Laser Feet Printed	$26	$27
zOS Data Storage	$2,975	$4,784

Total JobCosts: **$8,361**   **$9,610**

Total Costs: **$2,139,816**   **$2,156,021**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$2,156,021}{2,186,582,450} = \$0.0010 \text{ per Transaction}$$

Category #5   **zOS Enterprise Data Backup/Gigabyte Day**

Estimated Utilization: **145,766,418**

Item Number	Description	$ FY15 CAP	$ FY16 CAP
2	Computer Operations Personnel	127,927	128,562
3	Technical Support Personnel	73,005	71,299
4	Fringe Benefits	90,078	89,598
	Total Personnel	**$291,009**	**$289,458**
111	High Density Tape Drive (VTSM) Growth	170,000	170,000
	Total Hardware Lease	**$170,000**	**$170,000**
233	GTX Qualifier Maintenance	2,800	2,800
237	Virtual Tape	10,300	10,300
	Total Hardware Maintenance	**$13,100**	**$13,100**
411	CA TMS (CA1)	67,075	67,075
460	Tivoli Storage Management	25,500	25,500
471	Catalog/ Disk / HSM Audit and Recovery Utilities - zOS Enterpr	5,405	5,405
	Total Software Maintenance	**$97,980**	**$97,980**
701	Magnetic Tapes & Supplies	2,500	2,500
	Total Expendable Supplies	**$2,500**	**$2,500**
951	zOS Enterprise Data Backup Capital Cost	0	-170,000
952	zOS Enterprise Data Backup Depreciation	0	103,378
	Total Cost Adjustment	**$0**	**($66,622)**
Total Expense + Equipment:		**$283,580**	**$216,958**
Total Personnel and Expense + Equipment:		**$574,589**	**$506,416**
Indirect Costs Allocated:		**$46,259**	**$44,794**
Job Costs:			
	zOS Data Storage	$6,035	$9,705
	SQL Base	$0	$328
Total JobCosts:		**$6,033**	**$10,033**
Total Costs:		**$626,881**	**$561,244**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$561,244}{145,766,418} = \$0.0039 \text{ per Gigabyte per day}$$

Category #7   **Mailboxes**

Estimated Utilization: **533,000**   **AD and Exchange Mailboxes**

     300,000   **AD User IDs**

Item Number	Description	$ FY15 CAP	$ FY16 CAP
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	548,413	535,596
4	Fringe Benefits	245,854	240,108
	Total Personnel	**$794,267**	**$775,703**
242	Servers - Maintenance Renewals	13,470	13,470
	Total Hardware Maintenance	**$13,470**	**$13,470**
343	Antivirus For Exchange	125,000	125,000
	Total Software Lease	**$125,000**	**$125,000**
437	Microsoft Premiere Support	0	100,000
438	SSL Certificates	1,375	1,375
474	Server Software - Maintenance Renewals - AD & Exchange	293,171	293,171
492	Microsoft Exchange Server SA	0	105,000
	Total Software Maintenance	**$294,546**	**$499,546**
504	SAN - New/Replacement Purchases	194,701	0
505	Deduplication/Replication Purchase - AD & Exchange	63,659	0
510	Servers - New/Replacement Purchases	58,334	0
	Total Hardware Purchase	**$316,694**	**$0**
610	Trend Micro ScanMail Security Software	98,500	98,500
611	ISA for Webmail Software	2,880	2,880
612	Enterprise Vault Software Upgrade	220,000	440,000
	Total Software Purchase	**$321,380**	**$541,380**
808	MAN Connection/ANS Support/RLS Charges	112,800	112,800
835	AD & Exchange Contractor Services	20,000	20,000
836	AD & Exchange Training\Travel\Tools for Staff	7,000	7,000
	Total General Support Expense	**$139,800**	**$139,800**
901	AD & Exchange Capital Cost	0	-541,380
902	AD & Exchange Depreciation	0	140,759
	Total Cost Adjustment	**$0**	**($400,621)**

Total Expense + Equipment:		**$1,210,890**	**$918,575**
Total Personnel and Expense + Equipment:		**$2,005,157**	**$1,694,278**
Indirect Costs Allocated:		**$161,433**	**$149,865**

Job Costs:

	FY15 CAP	FY16 CAP
SQL Base	$0	$26,246
SQL Overage	$0	$27,327
SQL Memory	$0	$1,985
SQL License	$0	$12,995
DistSys Backup-Recovery	$300,109	$433,748
VM	$278,448	$227,394
SAN	$144,687	$148,876
Physical Server Support	$85,265	$52,334

Item Number	Description		$ FY15 CAP	$ FY16 CAP
	Remote Server Support		$40,716	$36,555
Total JobCosts:			**$755,171**	**$967,462**
Total Costs:			**$2,921,761**	**$2,811,605**

Rate Calculation AD User ID:

10% Total Costs/Utilization

$$\frac{\$281,160}{300,000} = \$0.9372 \quad \text{Monthly AD User ID Rate}$$

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

90% Total Costs/Utilization

$$\frac{\$2,530,444}{533,000} = \$4.7476 \quad \text{Monthly AD - Exchange Mailbox Rate}$$

Category #8   **zOS Data Storage Gigabyte/Day**

Estimated Utilization: **9,700,000**

Item Number	Description	$ FY15 CAP	$ FY16 CAP
2	Computer Operations Personnel	36,550	36,732
3	Technical Support Personnel	58,404	57,039
4	Fringe Benefits	42,568	42,038
	Total Personnel	**$137,522**	**$135,808**
105	DASD Lease	135,600	135,600
106	DASD Growth	255,000	255,000
	Total Hardware Lease	**$390,600**	**$390,600**
205	DASD Maintenance	68,000	33,000
236	FICON Directors	47,000	27,000
	Total Hardware Maintenance	**$115,000**	**$60,000**
303	Softek TDMF Replicator for zOS	25,145	50,000
313	DSF/DSS/HSM OS/390 V2	144,667	114,667
	Total Software Lease	**$169,812**	**$164,667**
490	Rocket Software, Fast Audit & Catalog Audit	0	6,000
	Total Software Maintenance	**$0**	**$6,000**
513	DASD Purchase	0	100,000
	Total Hardware Purchase	**$0**	**$100,000**
947	zOS Data Storage Capital Cost	0	-100,000
948	zOS Data Storage Capital Cost	0	541,242
	Total Cost Adjustment	**$0**	**$441,242**

	FY15 CAP	FY16 CAP
Total Expense + Equipment:	**$675,412**	**$1,162,509**
Total Personnel and Expense + Equipment:	**$812,934**	**$1,298,317**
Indirect Costs Allocated:	**$65,448**	**$114,841**
Total Costs:	**$878,383**	**$1,413,158**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$1,413,158}{9,700,000} = \$0.14569 \text{ per Gigabyte per day}$$

Category #10   **zOS IDMS Run Units**

Estimated Utilization: **400,000,000**

Item Number	Description	$ FY15 CAP	$ FY16 CAP
2	Computer Operations Personnel	36,550	36,732
3	Technical Support Personnel	73,005	71,299
4	Fringe Benefits	49,114	48,430
	Total Personnel	**$158,669**	**$156,461**
412	CA UNIPAK	1,231,895	1,231,895
	Total Software Maintenance	**$1,231,895**	**$1,231,895**
Total Expense + Equipment:		**$1,231,895**	**$1,231,895**
Total Personnel and Expense + Equipment:		**$1,390,564**	**$1,388,356**
Indirect Costs Allocated:		**$111,953**	**$122,805**
Job Costs:			
	Laser Feet Printed	$0	$0
	zOS Enterprise Data Backup	$1,194	$1,067
	zOS Data Storage	$5,525	$8,885
Total JobCosts:		**$6,714**	**$9,952**
Total Costs:		**$1,509,231**	**$1,521,112**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$1,521,112}{400,000,000} = \$0.0038 \text{ per Run Unit}$$

Category #11   zOS DB2 Service Units

Estimated Utilization: 1,000,000,000,000

Item Number	Description	$ FY15 CAP	$ FY16 CAP
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	204,414	199,636
4	Fringe Benefits	91,639	89,497
	Total Personnel	**$296,053**	**$289,133**
338	DB2 EOS v10	1,027,604	1,027,604
341	UDB - DB2 Utilities Suite	32,923	32,923
	Total Software Lease	**$1,060,527**	**$1,060,527**
416	IBM Tivoli Omegamon XE DB2 V4	80,700	80,700
419	DB2 Connect	36,191	36,191
432	DB2 LUW	8,684	8,684
440	Platinum DB2 Tools	758,774	758,774
485	zOS DB2 Guardian Encryption Maintenance	40,530	40,530
	Total Software Maintenance	**$924,879**	**$924,879**

Total Expense + Equipment:		**$1,985,406**	**$1,985,406**
Total Personnel and Expense + Equipment:		**$2,281,459**	**$2,274,539**
Indirect Costs Allocated:		**$183,677**	**$201,191**

Job Costs:

	FY15 CAP	FY16 CAP
Lines Printed	$0	$0
zOS Enterprise Data Backup	$14,925	$13,332
Laser Feet Printed	$11	$11
zOS Data Storage	$48,454	$77,916
Total JobCosts:	**$63,332**	**$91,258**
Total Costs:	**$2,528,468**	**$2,566,989**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$2,566,989}{1,000,000,000,000} \quad \text{x} \quad 1,000 \quad = \quad \$0.0026 \quad \text{per 1,000 Service Units}$$

Category #14   **All Fusion CPU Service Units**

Estimated Utilization: **3,000,000,000**

Item Number	Description	$ FY15 CAP	$ FY16 CAP
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	43,803	42,779
4	Fringe Benefits	19,637	19,178
	Total Personnel	**$63,440**	**$61,957**
403	CA All Fusion	32,933	32,933
	Total Software Maintenance	**$32,933**	**$32,933**
Total Expense + Equipment:		**$32,933**	**$32,933**
Total Personnel and Expense + Equipment:		**$96,373**	**$94,890**
Indirect Costs Allocated:		**$7,759**	**$8,393**
Job Costs:			
	Lines Printed	$0	$0
	zOS Enterprise Data Backup	$0	$0
	Laser Feet Printed	$0	$0
	Disk Storage/Gigabyte Day	$0	$0
Total JobCosts:		**$0**	**$0**
Total Costs:		**$104,132**	**$103,283**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$103,283}{3,000,000,000} \quad x \quad 1,000 \quad = \quad \$0.0344 \quad \text{per 1,000 Service Units}$$

Category #15   VM

Estimated Utilization: 21,144

Item Number	Description	$ FY15 CAP	$ FY16 CAP
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	146,010	142,597
4	Fringe Benefits	65,456	63,926
	Total Personnel	**$211,466**	**$206,524**
117	VM Hardware Lease	324,730	450,000
	Total Hardware Lease	**$324,730**	**$450,000**
238	VM Server and Storage Maintenance	63,345	80,000
	Total Hardware Maintenance	**$63,345**	**$80,000**
335	Red Hat Enterprise\Network Satellite	26,000	30,000
339	Symantic EndPoint Protection Subscription - VM	25,375	30,000
344	Vmware vCloud Enterprise Suite	430,000	320,000
	Total Software Lease	**$481,375**	**$380,000**
479	VMWare vSphere License Maintenance	207,075	207,075
	Total Software Maintenance	**$207,075**	**$207,075**
514	VM Hardware Purchase	160,000	500,000
	Total Hardware Purchase	**$160,000**	**$500,000**
607	VM Software Purchase	346,502	150,000
613	BMC ProactiveNet Performance Management Suite	110,000	110,000
620	Fog Light Purchase (30 Servers)	0	20,000
	Total Software Purchase	**$456,502**	**$280,000**
807	IBM Server Support Line	25,000	25,000
841	VM Training\Travel\Tools for Staff	4,000	4,000
	Total General Support Expense	**$29,000**	**$29,000**
943	VM Capital Cost	0	-780,000
944	VM Depreciation	0	388,357
	Total Cost Adjustment	**$0**	**($391,643)**

Total Expense + Equipment: **$1,722,027**   **$1,534,432**

Total Personnel and Expense + Equipment: **$1,933,493**   **$1,740,956**

Indirect Costs Allocated: **$155,663**   **$153,994**

Job Costs:

SAN Storage $214,625 $213,077

Total JobCosts: **$184,435**   **$213,077**

Total Costs: **$2,273,591**   **$2,108,026**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$2,108,026}{21,144} = \$99.6983 \text{ per Image per Month}$$

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

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

Category #16   **SAN**

Estimated Utilization: **11,924,731**

Item Number	Description	$ FY15 CAP	$ FY16 CAP
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	146,010	142,597
4	Fringe Benefits	65,456	63,926
	Total Personnel	**$211,466**	**$206,524**
113	SAN DASD	414,000	414,000
	Total Hardware Lease	**$414,000**	**$414,000**
231	SAN Server and Storage Maintenance	391,325	391,325
245	SVC Hardware Maintenance	2,500	2,500
	Total Hardware Maintenance	**$393,825**	**$393,825**
477	SAN Software	212,438	212,438
480	SolarWinds Storage Manager Maintenance	8,398	8,398
	Total Software Maintenance	**$220,836**	**$220,836**
504	SAN - New/Replacement Purchases	0	0
519	SAN Hardware Upgrade	529,000	515,667
	Total Hardware Purchase	**$529,000**	**$515,667**
830	SAN/NAS Support Line	10,000	10,000
838	SAN Training\Travel\Tools for Staff	15,000	15,000
	Total General Support Expense	**$25,000**	**$25,000**
929	SAN Capital Cost	0	-515,667
930	SAN Depreciation	0	606,483
	Total Cost Adjustment	**$0**	**$90,816**

	FY15 CAP	FY16 CAP
Total Expense + Equipment:	**$1,582,661**	**$1,660,144**
Total Personnel and Expense + Equipment:	**$1,794,127**	**$1,866,668**
Indirect Costs Allocated:	**$144,443**	**$165,113**
Total Costs:	**$1,938,570**	**$2,031,781**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$2,031,781}{11,924,731} = \$0.1704 \text{ per GB per Month}$$

Category #17   **Physical Server Support**

Estimated Utilization: **2,048**

Item Number	Description	$ FY15 CAP	$ FY16 CAP
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	116,808	114,078
4	Fringe Benefits	52,365	51,141
	Total Personnel	**$169,173**	**$165,219**
Total Expense + Equipment:		**$0**	**$0**
Total Personnel and Expense + Equipment:		**$169,173**	**$165,219**
Indirect Costs Allocated:		**$13,620**	**$14,614**
Job Costs:			
	VM	$0	$0
	SAN	$0	$0
Total JobCosts:		**$0**	**$0**
Total Costs:		**$182,793**	**$179,833**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$179{,}833}{2{,}048} = \$87.8092 \text{ per Server per Month}$$

Category #19   **DistSys Backup-Recovery**

Estimated Utilization: **767,000,000**

Item Number	Description	$ FY15 CAP	$ FY16 CAP
2	Computer Operations Personnel	9,138	9,183
3	Technical Support Personnel	175,212	171,117
4	Fringe Benefits	82,644	80,828
	Total Personnel	**$266,993**	**$261,128**
107	Data Domain Hardware Lease	0	500,000
	Total Hardware Lease	**$0**	**$500,000**
206	Data Domain Appliance Maintenance	308,527	308,527
207	Backup Admin Servers Maintenance (TSM Win)	5,040	5,040
	Total Hardware Maintenance	**$313,567**	**$313,567**
460	Tivoli Storage Management	174,500	600,000
478	Vranger Software Maintenance	10,882	10,882
	Total Software Maintenance	**$185,382**	**$610,882**
503	Deduplication/Replication Purchase - DistSys Backup-Recovery	137,535	83,334
512	TSM Hardware Purchase - DistSys Backup-Recovery	50,869	33,334
	Total Hardware Purchase	**$188,404**	**$116,668**
606	TSM Software Purchase	300,000	300,000
608	Vranger License Enhancement	23,400	23,400
	Total Software Purchase	**$323,400**	**$323,400**
842	TSM Training\Travel\Tools for Staff	10,000	10,000
	Total General Support Expense	**$10,000**	**$10,000**
911	DistSys Backup-Recovery Capital Cost	0	-440,068
912	DistSys Backup-Recovery Depreciation	0	195,013
	Total Cost Adjustment	**$0**	**($245,055)**
Total Expense + Equipment:		**$1,020,753**	**$1,629,462**
Total Personnel and Expense + Equipment:		**$1,287,746**	**$1,890,590**
Indirect Costs Allocated:		**$103,675**	**$167,229**
Job Costs:			
	SAN	$0	$0
	Physical Server Support	$0	$0
	VM	$68,190	$55,688
Total JobCosts:		**$54,917**	**$55,688**
Total Costs:		**$1,446,339**	**$2,113,507**

Rate Calculation:

Total Costs/Utilization

$$\frac{2,113,507}{767,000,000} = \$0.0028 \text{ per Gigabyte per day}$$

Category #20   Indirect Cost Components:

Item Number	Description	$ FY15 CAP	$ FY16 CAP
1	Administrative Personnel	466,780	386,966
2	Computer Operations Personnel	45,688	45,915
3	Technical Support Personnel	525,636	342,234
4	Fringe Benefits	465,382	347,484
	Total Personnel	**$1,503,486**	**$1,122,598**
347	BMC TMART	0	23,130
349	Lansweeper	0	864
350	Percise	0	20,949
351	Kiwi Syslog	0	702
352	Microsoft System Center Suite	0	5,408
353	Solarwinds NPM	0	7,481
354	Solarwinds SAM	0	8,540
355	Solarwinds NTA	0	4,942
356	Orion Polling Engines (4)	0	12,949
357	Orion Web Server	0	92
359	BMC Structured Payment	0	410,500
	Total Software Lease	**$0**	**$495,557**
437	Microsoft Premiere Support	0	0
468	SQL	20,000	20,000
	Total Software Maintenance	**$20,000**	**$20,000**
527	Desktop Computer Equipment - Monitoring	0	3,200
	Total Hardware Purchase	**$0**	**$3,200**
618	Microsoft System Center Suite	0	24,453
621	Microsoft External Connector License	0	140,000
	Total Software Purchase	**$0**	**$164,453**
802	Consulting Service	60,000	60,000
811	Office Supplies, Equipment and Maintenance	12,500	12,500
812	Pagers & Cell Phones	8,000	14,000
813	Electrical Distribution, Maintenance	100,000	100,000
814	Postage/Inter Agency Mail Delivery	4,000	4,000
815	Printing and Binding	3,500	3,500
816	Cabinets, Furniture & Building Changes	100,000	100,000
820	Subscriptions & Publications	7,000	7,000
821	Telephone Service and Equipment	57,500	57,500
822	Training & Professional Development	10,000	100,000
823	Travel	15,000	15,000
824	Resource Oversight	108,000	54,000
825	VPN - Access Charge	3,000	3,000
827	SSL Certificates	4,000	4,000
828	Service Deployment Appliance	65,000	65,000
833	RedHat/JBoss Support	6,000	6,000
857	Fiscal Software	20,000	102,000
858	Fiscal Costs	3,500	3,500
861	Monitoring Training\Travel\Tools for Staff	0	30,000
	Total General Support Expense	**$587,000**	**$741,000**
919	Indirect Capital Cost	0	-140,000
920	Indirect Depreciation	0	81,752
	Total Cost Adjustment	**$0**	**($58,248)**

Item Number	Description	$	FY15 CAP	$	FY16 CAP
Total Expense + Equipment:			**$607,000**		**$1,365,962**
Total Personnel and Expense + Equipment:			**$2,110,486**		**$2,488,560**

Category #21   **WAS**

Estimated Utilization: **312**

Item Number	Description	$ FY15 CAP	$ FY16 CAP
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	116,808	114,078
4	Fringe Benefits	52,365	51,141
	Total Personnel	**$169,173**	**$165,219**
428	Tivoli WAS\ND	139,906	139,906
	Total Software Maintenance	**$139,906**	**$139,906**
845	WAS Training\Travel\Tools for Staff	4,500	4,500
846	VM Additional Charges for Was	14,729	14,729
	Total General Support Expense	**$19,229**	**$19,229**
Total Expense + Equipment:		**$159,135**	**$159,135**
Total Personnel and Expense + Equipment:		**$328,308**	**$324,354**
Indirect Costs Allocated:		**$26,432**	**$28,690**
Job Costs:			
	VM	$0	$0
	DistSys Backup-Recovery	$0	$0
Total JobCosts:		**$0**	**$0**
Total Costs:		**$354,740**	**$353,044**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$353,044}{312} = \$1,131.5521 \text{ per Image per Month}$$

Category #23   **SQL**

Estimated Utilization:	**33,372**	**Base**
	11,280	**Memory**
	632,958	**Overage**
	4,404	**License**

Item Number	Description	$	FY15 CAP	$	FY16 CAP
2	Computer Operations Personnel		0		0
3	Technical Support Personnel		0		590,353
4	Fringe Benefits		0		264,655
	Total Personnel		**$0**		**$855,008**
451	SA Licenses for SQL		0		269,379
489	InfoSphere Guardium Maintenance		0		196,193
	Total Software Maintenance		**$0**		**$465,572**
826	VM Additional Charges for SQL		0		158,162
839	SQL Training\Travel\Tools for Staff		0		26,804
	Total General Support Expense		**$0**		**$184,966**

Item Number	Description		$ FY15 CAP	$ FY16 CAP
Total Expense + Equipment:			**$0**	**$650,538**
Total Personnel and Expense + Equipment:			**$0**	**$1,505,546**
Indirect Costs Allocated:			**$0**	**$133,171**
		Remote Server Support	$0	$0
		DistSys Backup-Recovery	$0	$0
		SAN	$0	$145,425
		Physical Server Support	$0	$0
		VM	$0	$277,564
		SharePoint Internal	$0	$0
		SharePoint External	$0	$0
		SSRS	$0	$11,912
Total JobCosts:			**$0**	**$434,901**
Total Costs:			**$0**	**$2,073,618**

Rate Calculation Base:

44% Total Costs/Utilization $\dfrac{\$912,392}{33,372}$ = $27.3400   per Base Unit per Month

Rate Calculation Memory:

3% Total Costs/Utilization $\dfrac{\$62,209}{11,280}$ = $5.5149   per Memory GB per Month

Rate Calculation Overage:

30% Total Costs/Utilization $\dfrac{\$622,085}{632,958}$ = $0.9828   per Overage GB per Month

Rate Calculation License:

23% Total Costs/Utilization $\dfrac{\$476,932}{4,404}$ = $108.2952   per License per Month

Category #26   **Remote Server Support**

Estimated Utilization: **6,000**

Item Number	Description	$	FY15 CAP	$	FY16 CAP
2	Computer Operations Personnel		0		0
3	Technical Support Personnel		248,217		242,415
4	Fringe Benefits		111,276		108,675
	Total Personnel		**$359,492**		**$351,090**
229	Remote Server Support		32,000		32,000
	Total Hardware Maintenance		**$32,000**		**$32,000**
340	Microsoft Server Operating System Subscription		90,000		90,000
342	Symantic EndPoint Protection Subscription - Remote Server Sup		19,892		19,892
	Total Software Lease		**$109,892**		**$109,892**
616	Microsoft Server Operating System Purchase		70,702		70,702
	Total Software Purchase		**$70,702**		**$70,702**
927	Remote Server Support Capital Cost		0		-70,702
928	Remote Server Support Depreciation		0		18,383
	Total Cost Adjustment		**$0**		**($52,319)**

Total Expense + Equipment:		**$212,594**	**$160,275**
Total Personnel and Expense + Equipment:		**$572,086**	**$511,365**
Indirect Costs Allocated:		**$46,058**	**$45,232**
Total Costs:		**$618,144**	**$556,597**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$556,597}{6,000} = \$92.7662 \text{ per Server per Month}$$

Category #27   **VDI**

Estimated Utilization: **35,000**

Item Number	Description	$ FY15 CAP	$ FY16 CAP
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	20,482	20,482
244	VDI Storage Maintenance	21,733	21,733
	Total Hardware Maintenance	**$42,215**	**$42,215**
469	VMWare View Software Maintenance	152,650	152,650
470	Microsoft VDA Licensing (Software Subscription)	225,250	170,250
	Total Software Maintenance	**$377,900**	**$322,900**
517	VDI Server and Upgrades	70,250	360,000
518	VDI Storage and Upgrades	155,000	529,950
	Total Hardware Purchase	**$225,250**	**$889,950**
609	VMWare View Licensing	86,000	86,000
	Total Software Purchase	**$86,000**	**$86,000**
941	VDI Capital Cost	0	-975,950
942	VDI Depreciation	0	365,761
	Total Cost Adjustment	**$0**	**($610,189)**

Total Expense + Equipment: **$731,365**   **$730,876**

Total Personnel and Expense + Equipment: **$731,365**   **$730,876**

Indirect Costs Allocated: **$58,881**   **$64,649**

Job Costs:

	FY15 CAP	FY16 CAP
SQL Base	$0	$7,874
SQL Overage	$0	$798
SQL Memory	$0	$927
SQL License	$0	$12,995
DistSys Backup-Recovery	$0	$2,537
VM	$0	$41,175
SAN	$0	$0
Physical Server Support	$0	$67,086

Total JobCosts: **$0**   **$133,392**

Total Costs: **$790,246**   **$928,917**

VDI Rate Calculation:

Total Costs/Utilization

$$\frac{\$928,917}{35,000} = \$26.5405 \text{ per Virtual Desktop per month}$$

RDP Pool Rate Calculation

Item Number	Description	$	FY15 CAP	$	FY16 CAP
VDI Rate x .25	$26.54049 x .25 = $6.6351 per RDP Pool Virtual Desktop per month				

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

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

Category #28   **sFTP**

Estimated Utilization: **33,744**

Item Number	Description	$ FY15 CAP	$ FY16 CAP
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	49,643	48,483
4	Fringe Benefits	22,255	21,735
	Total Personnel	**$71,898**	**$70,218**
439	MoveIT Software Maintenance	6,425	9,250
493	IP Switch MoveIT Central 2nd License for Load Balance Server	0	55,000
	Total Software Maintenance	**$6,425**	**$64,250**
837	FTP Training\Travel\Tools for Staff	3,000	3,000
847	VM Additional Charges for FTP	1,966	1,966
	Total General Support Expense	**$4,966**	**$4,966**
Total Expense + Equipment:		**$11,391**	**$69,216**
Total Personnel and Expense + Equipment:		**$83,289**	**$139,434**
Indirect Costs Allocated:		**$6,706**	**$12,333**

Job Costs:

		FY15 CAP	FY16 CAP
	VM	$4,209	$3,438
	zOS Enterprise Data Backup	$173	$155
	VDI	$986	$1,089
Total JobCosts:		**$4,550**	**$4,681**
Total Costs:		**$94,545**	**$156,449**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$156,449}{33,744} = \$4.6363 \quad \text{per Unit per Month}$$

Category #29   **SharePoint Internal**

Estimated Utilization: **504**

Item Number	Description	$ FY15 CAP	$ FY16 CAP
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	74,757	73,010
4	Fringe Benefits	33,514	32,730
	Total Personnel	**$108,271**	**$105,740**
401	Axceler ControlPoint	7,250	7,250
481	Server Software - Maintenance Renewals - SharePoint Internal	2,457	2,457
	Total Software Maintenance	**$9,707**	**$9,707**
617	SharePoint 2013 Upgrade	25,000	25,000
	Total Software Purchase	**$25,000**	**$25,000**
840	SharePoint Training\Travel\Tools for Staff	3,500	7,000
848	VM Additional Charges for SharePoint Internal	638	638
	Total General Support Expense	**$4,138**	**$7,638**
933	SharePoint Internal Capital Cost	0	-25,000
934	SharePoint Internal Depreciation	0	6,500
	Total Cost Adjustment	**$0**	**($18,500)**

Total Expense + Equipment:		**$38,845**	**$23,845**
Total Personnel and Expense + Equipment:		**$147,116**	**$129,585**
Indirect Costs Allocated:		**$11,844**	**$11,462**

Job Costs:			
	VM	$10,517	$8,589
	DistSys Backup-Recovery	$1,321	$1,910
	SQL Base	$0	$0
	SQL Memory	$0	$0
	SQL Overage	$0	$0
	SQL License	$0	$0
Total JobCosts:		**$9,708**	**$10,499**
Total Costs:		**$168,668**	**$151,546**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$151,546}{504} = \$300.6868 \text{ per Unit per Month}$$

An additional charge of $26.16 per Dedicated Base Per Month, will be charged (not to Exceed 1 GB)

An additional charge of $1.46 per GB over per Dedicated Base-Database

An additional charge of $0.00218 per GB per Day - for Dedicated Database

Category #30   **SharePoint External**

Estimated Utilization: **132**

Item Number	Description	$ FY15 CAP	$ FY16 CAP
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	33,290	32,512
4	Fringe Benefits	14,924	14,575
	Total Personnel	**$48,214**	**$47,087**
402	Axceler ControlPoint - SharePoint External	3,625	3,625
482	Server Software - Maintenance Renewals - SharePoint Exteranl	351	351
	Total Software Maintenance	**$3,976**	**$3,976**
617	SharePoint 2013 Upgrade	25,000	25,000
	Total Software Purchase	**$25,000**	**$25,000**
840	SharePoint Training\Travel\Tools for Staff	3,500	7,000
849	VM Additional Charges for SharePoint External	195	195
	Total General Support Expense	**$3,695**	**$7,195**
931	SharePoint External Capital Cost	0	-25,000
932	SharePoint External Depreciation	0	6,500
	Total Cost Adjustment	**$0**	**($18,500)**

	FY15 CAP	FY16 CAP
Total Expense + Equipment:	**$32,671**	**$17,671**
Total Personnel and Expense + Equipment:	**$80,885**	**$64,758**
Indirect Costs Allocated:	**$6,512**	**$5,728**
Job Costs:		
VM	$2,105	$1,719
DistSys Backup-Recovery	$219	$317
Total JobCosts:	**$1,900**	**$2,036**
Total Costs:	**$89,298**	**$72,522**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$72,522}{132} = \$549.4102 \quad \text{per Unit per Month}$$

Category #31   TFS

Estimated Utilization: 144

Item Number	Description	$ FY15 CAP	$ FY16 CAP
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	22,194	21,675
4	Fringe Benefits	9,949	9,717
	Total Personnel	**$32,143**	**$31,392**
442	MicroSoft Team Foundation Software Subscription	2,054	2,054
	Total Software Maintenance	**$2,054**	**$2,054**
843	TFS Training\Travel\Tools for Staff	300	300
850	VM Additional Charges for TFS	2,594	2,594
	Total General Support Expense	**$2,894**	**$2,894**
Total Expense + Equipment:		**$4,948**	**$4,948**
Total Personnel and Expense + Equipment:		**$37,091**	**$36,340**
Indirect Costs Allocated:		**$2,986**	**$3,214**
Job Costs:			
	VM	$10,229	$8,354
	DistSys Backup-Recovery	$192	$278
	SAN Storage	$0	$0
	SSRS	$0	$11,912
	SQL Base	$0	$21,325
	SQL Memory	$0	$1,059
	SQL Overage	$0	$686
	SQL License	$0	$9,097
Total JobCosts:		**$8,419**	**$52,711**
Total Costs:		**$48,495**	**$92,265**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$92,265}{144} = \$640.7287 \quad \text{per Unit per Month}$$

Category #32 **Enterprise Fax Services**

Estimated Utilization: **3,305,870**

Item Number	Description	$ FY15 CAP	$ FY16 CAP
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	8,761	8,556
4	Fringe Benefits	3,927	3,836
	Total Personnel	**$12,688**	**$12,391**
210	Fax Server Host Maintenance	5,440	5,440
	Total Hardware Maintenance	**$5,440**	**$5,440**
457	Biscom Software Maintenance	11,400	11,400
	Total Software Maintenance	**$11,400**	**$11,400**
502	24-Port Fax Cards for Server	19,822	20,000
	Total Hardware Purchase	**$19,822**	**$20,000**
615	Biscom Enterprise Fax Software	9,124	15,000
	Total Software Purchase	**$9,124**	**$15,000**
854	Fax Circuit Installation Charge (One-time Cost)	292	300
855	Fax Circuit Charge - 6 PRI Circuits	45,960	45,960
	Total General Support Expense	**$46,252**	**$46,260**
913	Enterprise Fax Capital Cost	0	-35,000
914	Enterprise Fax Depreciation	0	9,100
	Total Cost Adjustment	**$0**	**($25,900)**
Total Expense + Equipment:		**$92,038**	**$72,200**
Total Personnel and Expense + Equipment:		**$104,726**	**$84,591**
Indirect Costs Allocated:		**$8,431**	**$7,482**
Total Costs:		**$113,157**	**$92,074**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$92,074}{3,305,870} = \$0.0279 \text{ per Page}$$

An additional charge of $0.0947 Per Minute, will be charged for every Minute of Long Distance Service.

Category #33   **SSRS**

Estimated Utilization: **144**

Item Number	Description	$ FY15 CAP	$ FY16 CAP
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	77,677	75,862
4	Fringe Benefits	34,823	34,009
	Total Personnel	**$112,500**	**$109,871**
458	SSRS Software Maintenance	7,966	7,966
	Total Software Maintenance	**$7,966**	**$7,966**
852	VM Additional Charges for SSRS	1,659	1,659
853	SSRS Training\Travel\Tools for Staff	550	550
856	SSRS Staff Computer Replacement	900	900
	Total General Support Expense	**$3,109**	**$3,109**
Total Expense + Equipment:		**$11,075**	**$11,075**
Total Personnel and Expense + Equipment:		**$123,575**	**$120,946**
Indirect Costs Allocated:		**$9,949**	**$10,698**
Job Costs:			
	VM	$12,622	$10,308
	DistSys Backup-Recovery	$688	$994
Total JobCosts:		**$10,810**	**$11,302**
Total Costs:		**$144,333**	**$142,946**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$142,946}{144} = \$992.6783 \quad \text{per Reporting Instance per Month}$$

Category #34 **JIRA**

Estimated Utilization: **33,132**

Item Number	Description	$ FY15 CAP	$ FY16 CAP
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	23,362	22,816
4	Fringe Benefits	10,473	10,228
	Total Personnel	**$33,835**	**$33,044**
483	JIRA License	4,160	4,160
484	JIRA Plugin	700	700
	Total Software Maintenance	**$4,860**	**$4,860**
Total Expense + Equipment:		**$4,860**	**$4,860**
Total Personnel and Expense + Equipment:		**$38,695**	**$37,904**
Indirect Costs Allocated:		**$3,115**	**$3,353**
Job Costs:			
	VM	$9,629	$7,863
	SQL Base	$0	$984
	SQL Memory	$0	$0
	SQL Overage	$0	$112
	SQL License	$0	$0
Total JobCosts:		**$7,755**	**$8,960**
Total Costs:		**$49,565**	**$50,216**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$50,216}{33,132} = \$1.5156 \quad \text{per User per Month}$$

Category #35   **AIX Hosted Services**

Estimated Utilization: **2,364**

Item Number	Description	$	FY15 CAP	$	FY16 CAP
2	Computer Operations Personnel		0		0
3	Technical Support Personnel		58,404		57,039
4	Fringe Benefits		26,182		25,571
	Total Personnel		**$84,586**		**$82,609**
Total Expense + Equipment:			**$0**		**$0**
Total Personnel and Expense + Equipment:			**$84,586**		**$82,609**
Indirect Costs Allocated:			**$6,810**		**$7,307**
Total Costs:			**$91,396**		**$89,917**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$89,917}{2,364} = \$38.0358 \text{ per Server per Month}$$

Category #36   **Hosted Rack**

Estimated Utilization: **504**

Item Number	Description	$ FY15 CAP	$ FY16 CAP
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	0	142,597
4	Fringe Benefits	0	63,926
	Total Personnel	**$0**	**$206,524**
522	Hosted Rack	0	1,275
523	PDU for Dual Power - Hosted Rack	0	1,300
524	KVM (32 port KVM and Cables) - Hosted Rack	0	8,900
525	Cabling for Hosted Rack	0	100
	Total Hardware Purchase	**$0**	**$11,575**
917	Hosted Rack Capital Cost	0	-11,575
918	Hosted Rack Depreciation	0	3,010
	Total Cost Adjustment	**$0**	**($8,565)**
Total Expense + Equipment:		**$0**	**$3,010**
Total Personnel and Expense + Equipment:		**$0**	**$209,534**
Indirect Costs Allocated:		**$0**	**$18,534**
Total Costs:		**$0**	**$228,068**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$228,068}{504} = \$452.5153 \quad \text{per Unit per Month}$$

Category #37   iConvert

Estimated Utilization: 20,640

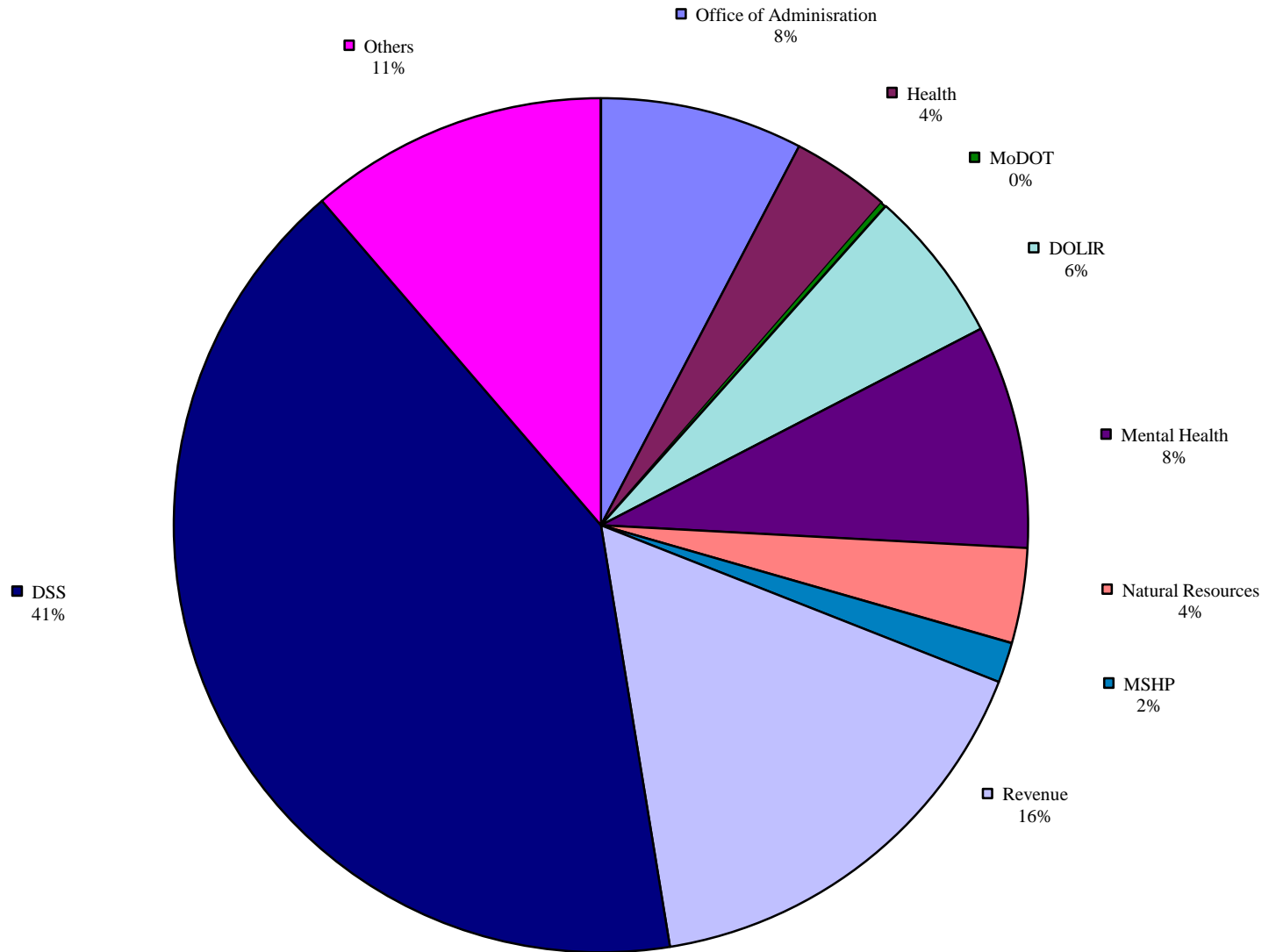| Item Number	Description	$ FY15 CAP	$ FY16 CAP
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	0	57,039
4	Fringe Benefits	0	25,571
	Total Personnel	**$0**	**$82,609**
487	Solimar Software Maintenance	0	39,655
	Total Software Maintenance	**$0**	**$39,655**
526	Desktop Computer Equipment - iConvert	0	2,550
	Total Hardware Purchase	**$0**	**$2,550**
955	iConvert Capital Cost	0	-2,550
956	iConvert Depreciation	0	663
	Total Cost Adjustment	**$0**	**($1,887)**
Total Expense + Equipment:		**$0**	**$40,318**
Total Personnel and Expense + Equipment:		**$0**	**$122,927**
Indirect Costs Allocated:		**$0**	**$10,873**
Total Costs:		**$0**	**$141,677**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$141,677}{20,640} = \$6.8642 \text{ per Unit per Month}$$

Cost Estimates (F)

FY16 State Data Center
Estimated Customer Billing

SDC CAP itsd

- Others 11%
- Office of Adminisration 8%
- Health 4%
- MoDOT 0%
- DOLIR 6%
- Mental Health 8%
- Natural Resources 4%
- MSHP 2%
- Revenue 16%
- DSS 41%

FY16 Cost Estimates by Customer
State Data Center

Agency	CICS Transactions	All Fusion Service Units	CPU Service Units
Senate	$ 54	$ 0	$ 187
House of Representatives	136	0	606
Legislative Research	19	0	19
State Courts Administrator	1,340	0	5,890
Secretary of State	545	0	2,485
Auditor	69	0	387
Treasurer	79	0	122
Attorney General	261	0	684
OA/ITSD Systems & Programming	462	14,863	64,495
OA/Missouri Ethics Commission	7	0	10
OA/Depty Commissioner	289	0	1,562
OA/Accounting	4,867	0	23,756
OA/Budget and Planning	151	0	1,104
OA/ITSD Production	10,677	0	402,964
OA/Design and Construction	261	0	604
OA/Personnel	10,554	0	16,466
OA/Purchasing	673	0	4,499
OA/General Services	2,388	0	7,577
OA/Facilities Management	972	0	3,172
OA/Administrative Hearing Commission	17	0	51
OA/OIT	0	0	0
Dept of Agriculture	500	0	1,193
Dept of Insurance	451	0	2,855
Dept of Conservation	682	0	2,572
Dept of Economic Development	1,902	0	21,506
Dept of Elementary & Secondary ED	2,299	0	8,151
Dept of Higher Education	171	0	1,432
Dept of Health & SS	25,238	0	132,498
Dept of Transportation	9,184	0	26,005
Dept of Labor & Industrial Relation	181,109	28	600,714
Dept of Mental Health	8,735	0	112,424
Dept of Natural Resources	3,137	0	48,132
Dept of Public Safety	2,551	0	9,222
Missouri State Highway Patrol	130,365	20	212,807
Kansas City Police Dept	73	0	20
ReJIS	89,054	0	36,231
Dept of Revenue	151,112	0	1,889,239
Lottery Commission	233	0	475
State Tax Commission	43	0	72
Highway Reciprocity Commission	0	0	0
Dept of Social Services	1,505,043	88,372	4,688,619
Dept of Corrections	8,993	0	19,000
Others	1,325	0	981
Agency Total :	**$2,156,021**	**$103,283**	**$8,350,786**

FY16 Cost Estimates by Customer
State Data Center

Agency	DistSys Backup Recovery	zOS Enterprise Data Backup	zOS DB2 Service Units
Senate	$ 0	$ 0	$ 134
House of Representatives	0	0	485
Legislative Research	0	0	4
State Courts Administrator	0	1	2,028
Secretary of State	0	0	748
Auditor	0	235	95
Treasurer	22,314	1	40
Attorney General	0	0	221
OA/ITSD Systems & Programming	45,647	9,437	26,763
OA/Missouri Ethics Commission	0	0	5
OA/Depty Commissioner	7	0	158
OA/Accounting	0	48	9,580
OA/Budget and Planning	0	0	359
OA/ITSD Production	39,540	222,202	77,313
OA/Design and Construction	0	4	75
OA/Personnel	5,314	14	3,801
OA/Purchasing	41	0	624
OA/General Services	169	360	3,002
OA/Facilities Management	19,574	93	1,155
OA/Administrative Hearing Commission	1,278	0	8
OA/OIT	0	0	0
Dept of Agriculture	22,314	0	558
Dept of Insurance	22,314	9	1,051
Dept of Conservation	0	0	712
Dept of Economic Development	66,942	3	2,033
Dept of Elementary & Secondary ED	89,256	0	3,644
Dept of Higher Education	22,314	0	421
Dept of Health & SS	89,256	0	29,339
Dept of Transportation	0	0	6,315
Dept of Labor & Industrial Relation	156,199	37,145	6,850
Dept of Mental Health	357,025	675	39,548
Dept of Natural Resources	267,769	746	11,476
Dept of Public Safety	22,314	0	3,807
Missouri State Highway Patrol	0	2,492	56,295
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	200,827	22,082	389,186
Lottery Commission	0	0	116
State Tax Commission	0	0	16
Highway Reciprocity Commission	0	0	0
Dept of Social Services	178,513	38,363	1,882,287
Dept of Corrections	44,628	0	5,699
Others	0	0	1,038
Agency Total :	**$1,673,557**	**$333,911**	**$2,566,989**

FY16 Cost Estimates by Customer
State Data Center

Agency	zOS Data Storage	VM Images	zOS IDMS
Senate	$ 0	$ 0	$ 0
House of Representatives	0	0	0
Legislative Research	0	0	0
State Courts Administrator	1	0	388
Secretary of State	27	0	1
Auditor	84	23,001	0
Treasurer	2	23,001	0
Attorney General	0	0	0
OA/ITSD Systems & Programming	38,452	62,431	70
OA/Missouri Ethics Commission	0	0	0
OA/Depty Commissioner	0	0	0
OA/Accounting	34	0	0
OA/Budget and Planning	0	0	0
OA/ITSD Production	169,326	88,762	0
OA/Design and Construction	1	0	0
OA/Personnel	695	6,771	23
OA/Purchasing	2	0	0
OA/General Services	231	496	3
OA/Facilities Management	43	16,228	0
OA/Administrative Hearing Commission	0	1,693	0
OA/OIT	0	0	0
Dept of Agriculture	0	21,805	0
Dept of Insurance	4	46,129	23
Dept of Conservation	0	0	746
Dept of Economic Development	4,110	35,601	138
Dept of Elementary & Secondary ED	0	76,706	0
Dept of Higher Education	0	43,737	0
Dept of Health & SS	3,497	200,341	58,419
Dept of Transportation	37	0	172
Dept of Labor & Industrial Relation	68,822	89,866	2,209
Dept of Mental Health	7,829	207,789	268
Dept of Natural Resources	1,355	92,259	0
Dept of Public Safety	0	41,105	0
Missouri State Highway Patrol	7,453	0	59,515
Kansas City Police Dept	0	0	0
ReJIS	0	0	56,587
Dept of Revenue	219,755	210,661	613,003
Lottery Commission	0	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	32	0	0
Dept of Social Services	679,352	109,996	728,513
Dept of Corrections	0	46,129	0
Others	0	0	1,033
Agency Total :	**$1,201,146**	**$1,444,508**	**$1,521,112**

FY16 Cost Estimates by Customer
State Data Center

Agency	Print (Lines)	Print (Laser)	AD User ID
Senate	$ 0	$ 0	$ 39
House of Representatives	0	0	68
Legislative Research	0	0	0
State Courts Administrator	0	10	49
Secretary of State	0	0	1,391
Auditor	0	23	39
Treasurer	0	0	607
Attorney General	0	0	3,105
OA/ITSD Systems & Programming	0	220	0
OA/Missouri Ethics Commission	0	0	147
OA/Depty Commissioner	0	0	9
OA/Accounting	74	78	0
OA/Budget and Planning	0	187	20
OA/ITSD Production	0	7,458	157
OA/Design and Construction	0	0	0
OA/Personnel	0	283	68
OA/Purchasing	0	235	49
OA/General Services	33	3,195	157
OA/Facilities Management	0	707	480
OA/Administrative Hearing Commission	0	0	30
OA/OIT	0	0	3,819
Dept of Agriculture	0	0	265
Dept of Insurance	0	0	343
Dept of Conservation	0	12	89
Dept of Economic Development	0	42	15,081
Dept of Elementary & Secondary ED	0	0	5,004
Dept of Higher Education	0	3	636
Dept of Health & SS	108	3,967	4,935
Dept of Transportation	0	3	225
Dept of Labor & Industrial Relation	0	231,369	1,831
Dept of Mental Health	0	0	203,519
Dept of Natural Resources	0	118	14,356
Dept of Public Safety	0	0	1,273
Missouri State Highway Patrol	0	0	9
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	488	411,812	7,002
Lottery Commission	0	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	0	0	0
Dept of Social Services	197	1,290,274	12,466
Dept of Corrections	0	0	3,751
Others	0	0	68
Agency Total :	**$900**	**$1,949,996**	**$281,087**

FY16 Cost Estimates by Customer
State Data Center

Agency	AD Exchange Mailboxes	SAN	Physical Server Support
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	23,212	0
Treasurer	0	23,212	0
Attorney General	57	0	0
OA/ITSD Systems & Programming	29,131	67,288	0
OA/Missouri Ethics Commission	1,733	0	0
OA/Depty Commissioner	3,694	0	0
OA/Accounting	2,013	0	0
OA/Budget and Planning	3,803	0	0
OA/ITSD Production	11,798	57,501	11,766
OA/Design and Construction	0	0	0
OA/Personnel	3,969	4,750	0
OA/Purchasing	3,969	0	0
OA/General Services	5,982	0	0
OA/Facilities Management	38,132	23,652	878
OA/Administrative Hearing Commission	2,293	1,123	0
OA/OIT	93,095	0	0
Dept of Agriculture	20,799	22,609	0
Dept of Insurance	40,762	46,424	1,844
Dept of Conservation	0	0	0
Dept of Economic Development	37,463	40,704	9,922
Dept of Elementary & Secondary ED	90,916	133,364	0
Dept of Higher Education	5,426	22,486	0
Dept of Health & SS	135,253	156,378	878
Dept of Transportation	0	0	0
Dept of Labor & Industrial Relation	63,688	59,139	878
Dept of Mental Health	383,227	274,295	18,001
Dept of Natural Resources	117,198	255,129	878
Dept of Public Safety	68,716	17,814	0
Missouri State Highway Patrol	0	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	100,140	156,526	2,722
Lottery Commission	0	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	0	0	0
Dept of Social Services	493,997	115,024	12,645
Dept of Corrections	760,420	23,212	0
Others	7,606	0	0
Agency Total :	**$2,525,279**	**$1,523,842**	**$60,413**

FY16 Cost Estimates by Customer
State Data Center

Agency	WAS	Enterprise Fax Services	Remote Server Support
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	12,906
OA/Missouri Ethics Commission	0	0	0
OA/Depty Commissioner	0	0	0
OA/Accounting	0	0	0
OA/Budget and Planning	0	0	0
OA/ITSD Production	53,183	15	12,984
OA/Design and Construction	0	0	0
OA/Personnel	0	0	1,082
OA/Purchasing	0	0	0
OA/General Services	0	0	0
OA/Facilities Management	0	0	0
OA/Administrative Hearing Commission	0	0	0
OA/OIT	0	6,662	0
Dept of Agriculture	0	29	0
Dept of Insurance	0	16	7,806
Dept of Conservation	0	0	0
Dept of Economic Development	0	0	850
Dept of Elementary & Secondary ED	0	77	33,928
Dept of Higher Education	56,578	0	0
Dept of Health & SS	0	1,005	16,539
Dept of Transportation	0	9,582	0
Dept of Labor & Industrial Relation	70,156	57,844	13,061
Dept of Mental Health	0	123	125,200
Dept of Natural Resources	59,972	0	20,867
Dept of Public Safety	0	136	17,389
Missouri State Highway Patrol	0	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	56,578	16,585	5,255
Lottery Commission	0	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	0	0	0
Dept of Social Services	0	0	166,933
Dept of Corrections	56,578	0	85,244
Others	0	0	0
Agency Total :	**$353,044**	**$92,074**	**$520,042**

FY16 Cost Estimates by Customer
State Data Center

Agency	VDI	SQL Base	SQL Memory
Senate	$ 0	$ 0	$ 0
House of Representatives	0	0	0
Legislative Research	0	0	0
State Courts Administrator	0	0	0
Secretary of State	464	0	0
Auditor	0	0	0
Treasurer	0	0	0
Attorney General	0	0	0
OA/ITSD Systems & Programming	118,932	41,010	0
OA/Missouri Ethics Commission	0	0	0
OA/Depty Commissioner	4,674	1,640	0
OA/Accounting	4,674	0	0
OA/Budget and Planning	3,251	0	0
OA/ITSD Production	32,193	24,934	7,412
OA/Design and Construction	0	0	0
OA/Personnel	4,209	4,921	199
OA/Purchasing	0	656	0
OA/General Services	14,921	6,562	199
OA/Facilities Management	3,745	17,388	1,588
OA/Administrative Hearing Commission	0	1,312	0
OA/OIT	0	0	0
Dept of Agriculture	4,674	23,622	0
Dept of Insurance	72,776	3,937	529
Dept of Conservation	0	0	0
Dept of Economic Development	39,189	69,553	1,456
Dept of Elementary & Secondary ED	34,051	59,711	6,088
Dept of Higher Education	1,858	0	0
Dept of Health & SS	86,304	37,729	6,353
Dept of Transportation	0	0	0
Dept of Labor & Industrial Relation	46,185	17,388	2,515
Dept of Mental Health	17,272	322,503	18,398
Dept of Natural Resources	79,308	17,716	265
Dept of Public Safety	21,917	13,123	265
Missouri State Highway Patrol	0	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	59,713	65,288	4,169
Lottery Commission	0	0	0
State Tax Commission	3,745	63,648	397
Highway Reciprocity Commission	0	0	0
Dept of Social Services	262,104	50,852	7,611
Dept of Corrections	11,670	11,483	132
Others	0	0	0
Agency Total :	**$927,828**	**$854,978**	**$57,576**

FY16 Cost Estimates by Customer
State Data Center

Agency	SQL Overage	SQL Licenase	TFS
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	5,481	0	7,689
OA/Missouri Ethics Commission	0	0	0
OA/Depty Commissioner	0	0	0
OA/Accounting	0	0	0
OA/Budget and Planning	0	0	0
OA/ITSD Production	11,274	41,585	0
OA/Design and Construction	0	0	0
OA/Personnel	166	2,599	0
OA/Purchasing	0	0	0
OA/General Services	99	10,396	0
OA/Facilities Management	14,598	19,493	0
OA/Administrative Hearing Commission	500	0	0
OA/OIT	0	0	0
Dept of Agriculture	2,528	0	7,689
Dept of Insurance	194	6,498	7,689
Dept of Conservation	0	0	0
Dept of Economic Development	5,276	16,894	7,689
Dept of Elementary & Secondary ED	114,112	31,189	7,689
Dept of Higher Education	0	0	0
Dept of Health & SS	65,740	46,784	0
Dept of Transportation	0	0	7,689
Dept of Labor & Industrial Relation	9,896	25,991	7,689
Dept of Mental Health	326,010	126,056	7,689
Dept of Natural Resources	4,432	12,995	7,689
Dept of Public Safety	340	3,899	7,689
Missouri State Highway Patrol	0	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	11,840	38,986	0
Lottery Commission	0	0	0
State Tax Commission	10,138	7,797	7,689
Highway Reciprocity Commission	0	0	0
Dept of Social Services	5,436	36,387	7,689
Dept of Corrections	3,440	3,899	0
Others	0	0	0
Agency Total :	**$591,500**	**$431,448**	**$92,265**

FY16 Cost Estimates by Customer
State Data Center

Agency	SharePoint Internal	SharePoint Exteranl	FTP
Senate	$ 0	$ 0	$ 0
House of Representatives	0	0	0
Legislative Research	0	0	0
State Courts Administrator	0	0	278
Secretary of State	0	0	56
Auditor	0	0	167
Treasurer	0	0	0
Attorney General	0	0	445
OA/ITSD Systems & Programming	0	13,186	6,788
OA/Missouri Ethics Commission	0	0	0
OA/Depty Commissioner	0	0	0
OA/Accounting	10,825	0	0
OA/Budget and Planning	0	0	0
OA/ITSD Production	0	0	0
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	0
OA/Administrative Hearing Commission	0	0	0
OA/OIT	0	0	0
Dept of Agriculture	10,825	0	5,063
Dept of Insurance	10,825	0	7,622
Dept of Conservation	0	0	56
Dept of Economic Development	10,825	6,593	7,177
Dept of Elementary & Secondary ED	21,649	6,593	1,780
Dept of Higher Education	0	6,593	3,004
Dept of Health & SS	10,825	6,593	7,121
Dept of Transportation	0	0	389
Dept of Labor & Industrial Relation	10,825	0	3,171
Dept of Mental Health	10,825	6,593	1,502
Dept of Natural Resources	10,825	0	23,423
Dept of Public Safety	10,825	13,186	6,676
Missouri State Highway Patrol	0	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	10,825	0	47,569
Lottery Commission	0	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	0	0	0
Dept of Social Services	10,825	6,593	31,379
Dept of Corrections	0	0	2,782
Others	10,825	6,593	0
Agency Total :	**$151,546**	**$72,522**	**$156,449**

FY16 Cost Estimates by Customer
State Data Center

Agency	AIX	SSRS	JIRA
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	11,912	0
OA/Missouri Ethics Commission	0	0	0
OA/Depty Commissioner	0	0	0
OA/Accounting	0	0	0
OA/Budget and Planning	0	0	0
OA/ITSD Production	0	0	0
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	0
OA/Administrative Hearing Commission	0	0	0
OA/OIT	0	0	0
Dept of Agriculture	0	11,912	55
Dept of Insurance	0	0	0
Dept of Conservation	0	0	0
Dept of Economic Development	0	11,912	73
Dept of Elementary & Secondary ED	0	11,912	1,510
Dept of Higher Education	0	0	146
Dept of Health & SS	5,477	11,912	0
Dept of Transportation	0	0	0
Dept of Labor & Industrial Relation	0	11,912	1,928
Dept of Mental Health	0	11,912	0
Dept of Natural Resources	0	11,912	38,758
Dept of Public Safety	0	0	0
Missouri State Highway Patrol	0	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	0	11,912	0
Lottery Commission	0	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	0	0	0
Dept of Social Services	83,983	11,912	7,748
Dept of Corrections	0	0	0
Others	0	0	0
Agency Total :	**$89,460**	**$119,121**	**$50,216**

FY16 Cost Estimates by Customer
State Data Center

Agency	Hosted Rack	iConvert	Monitoring
Senate	$ 0	$ 0	0
House of Representatives	0	0	0
Legislative Research	0	0	0
State Courts Administrator	0	20,016	0
Secretary of State	0	0	0
Auditor	0	0	0
Treasurer	0	82	0
Attorney General	0	659	0
OA/ITSD Systems & Programming	0	0	0
OA/Missouri Ethics Commission	0	0	0
OA/Depty Commissioner	0	0	0
OA/Accounting	0	0	0
OA/Budget and Planning	0	0	0
OA/ITSD Production	0	412	0
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	0
OA/Administrative Hearing Commission	0	0	0
OA/OIT	0	0	0
Dept of Agriculture	0	82	0
Dept of Insurance	0	0	0
Dept of Conservation	0	0	0
Dept of Economic Development	0	824	0
Dept of Elementary & Secondary ED	0	165	0
Dept of Higher Education	0	82	0
Dept of Health & SS	0	741	0
Dept of Transportation	0	0	0
Dept of Labor & Industrial Relation	0	577	0
Dept of Mental Health	0	824	0
Dept of Natural Resources	0	1,483	0
Dept of Public Safety	0	1,318	0
Missouri State Highway Patrol	0	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	0	3,460	0
Lottery Commission	228,068	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	0	0	0
Dept of Social Services	0	110,953	0
Dept of Corrections	0	0	0
Others	0	0	0
Agency Total :	**$228,068**	**$141,677**	**$0**

FY16 Cost Estimates by Customer
State Data Center

Agency	Estimated Billing
Senate	$ 415
House of Representatives	1,295
Legislative Research	42
State Courts Administrator	30,001
Secretary of State	5,717
Auditor	47,312
Treasurer	69,462
Attorney General	5,433
OA/ITSD Systems & Programming	577,163
OA/Missouri Ethics Commission	1,902
OA/Depty Commissioner	12,033
OA/Accounting	55,948
OA/Budget and Planning	8,875
OA/ITSD Production	1,283,456
OA/Design and Construction	946
OA/Personnel	65,885
OA/Purchasing	10,747
OA/General Services	55,769
OA/Facilities Management	161,899
OA/Administrative Hearing Commission	8,304
OA/OIT	103,576
Dept of Agriculture	156,522
Dept of Insurance	280,102
Dept of Conservation	4,869
Dept of Economic Development	413,757
Dept of Elementary & Secondary ED	739,793
Dept of Higher Education	164,887
Dept of Health & SS	1,143,230
Dept of Transportation	59,602
Dept of Labor & Industrial Relation	1,778,986
Dept of Mental Health	2,588,242
Dept of Natural Resources	1,102,196
Dept of Public Safety	263,564
Missouri State Highway Patrol	468,956
Kansas City Police Dept	94
ReJIS	181,873
Dept of Revenue	4,706,734
Lottery Commission	228,892
State Tax Commission	93,544
Highway Reciprocity Commission	32
Dept of Social Services	12,624,065
Dept of Corrections	1,087,060
Others	29,469
Agency Total :	**$30,622,646**

Rate Comparison (G)

Comparison of Fiscal Year Billing Rates
State Data Center

Category	FY16	FY15	FY14	FY13	FY12
AD & Exchange Mailboxes (Monthly Rate)	4.7476	4.9701	4.3656	5.0745	4.3634
AD User ID (Monthly Rate)	0.9372	0.7727	0.7645	0.7854	0.7402
AIX	38.0358	50.7758	0.0000	0.0000	0.0000
All Fusion CPU Service Units	0.0344	0.0164	0.0249	0.0163	0.0285
CICS Transactions	0.0010	0.0010	0.0008	0.0010	0.0009
CPU Service Units/1000	0.0068	0.0068	0.0073	0.0069	0.0094
DistSys Backup-Recovery/GB Day	0.0028	0.0020	0.0021	0.0039	0.0031
Enterprise Fax Services	0.0279	0.0342	0.0311	0.0000	0.0000
FTP	4.6363	2.5366	0.0000	0.0000	0.0000
Hosted Rack	452.5153	0.0000	0.0000	0.0000	0.0000
iConvert	6.8642	0.0000	0.0000	0.0000	0.0000
JIRA	1.5156	1.4960	0.0000	0.0000	0.0000
Laser Feet Printed	0.0330	0.0326	0.0318	0.0304	0.0310
Laser Feet Printed/Duplex	0.0264	0.0261	0.0255	0.0243	0.0248
Lines (Impact) Printed/1000	0.3942	0.3889	0.3797	0.3625	0.3696
Monitoring	0.0000	0.0000	0.0000	0.0000	0.0000
Physical Server Support	87.8092	142.3620	117.9565	91.2860	29.8295
Remote Server Support	92.7662	85.8295	67.0674	144.8999	0.0000
SAN	0.1704	0.1814	0.1724	0.1599	0.0936
SharePoint External	549.4102	676.4972	0.0000	0.0000	0.0000
SharePoint Internal	300.6868	937.0431	0.0000	0.0000	0.0000
SQL Base	27.3400	0.0000	28.3313	0.0000	0.0000
SQL License	108.2952	0.0000	129.0599	0.0000	0.0000
SQL Memory	5.5149	0.0000	6.0199	0.0000	0.0000
SQL Overage	0.9828	0.0000	1.5807	0.0000	0.0000
SSRS	992.6783	1,202.7786	0.0000	0.0000	0.0000
TFS	640.7287	367.3901	431.2534	0.0000	0.0000
VDI	26.5405	26.3060	21.2634	24.2565	0.0000
VM	99.6983	124.6336	99.7516	60.1227	53.3624
Vranger - Data Domain	0.0000	0.0000	0.0000	0.0012	0.3936
WAS	1,131.5521	1,136.9858	1,968.8278	614.7544	464.3595
zOS Data Storage/GB Day	0.1457	0.1011	0.1281	0.1340	0.0957
zOS DB2 Service Units/1000	0.0026	0.0022	0.0021	0.0018	0.0022
zOS Enterprise Data Backup/GB Day	0.0039	0.0043	0.0062	0.0072	0.0087
zOS IDMS	0.0038	0.0042	0.0052	0.0052	0.0054

Cost Compare with Percentage of Change

Num.	Category Description	16 Percentage of change	FY16	15 Percentage of change	FY15	14 Percentage of change	FY14	13 Percentage of change	FY13	12 Percentage of change	FY12
1	Laser Feet Printed	1%	0.0330	2%	0.0326	5%	0.0318	-2%	0.0304	-2%	0.0310
1	Lines (Impact) Printed/1000	1%	0.3942	2%	0.3889	5%	0.3797	-2%	0.3625	-2%	0.3696
1	Laser Feet Printed/Duplex	1%	0.0264	2%	0.0261	5%	0.0255	-2%	0.0243	-2%	0.0248
2	CPU Service Units/1000	0%	0.0068	-7%	0.0068	6%	0.0073	-27%	0.0069	2%	0.0094
3	CICS Transactions	1%	0.0010	18%	0.0010	-18%	0.0008	16%	0.0010	19%	0.0009
5	zOS Enterprise Data Backup/GB Day	-10%	0.0039	-31%	0.0043	-13%	0.0062	-17%	0.0072	-15%	0.0087
7	AD User ID per Month	21%	0.9372	1%	0.7727	-3%	0.7645	6%	0.7854	-27%	0.7402
7	AD & Exchange Mailbox per Month	-4%	4.7475	14%	4.9701	-14%	4.3656	16%	5.0745	8%	4.3634
8	zOS Data Storage/GB Day	44%	0.1457	-21%	0.1011	-4%	0.1281	40%	0.1340	7%	0.0957
10	zOS IDMS Run Units	-10%	0.0038	-18%	0.0042	0%	0.0052	-4%	0.0052	27%	0.0054
11	zOS DB2 Service Units/1000	17%	0.0026	2%	0.0022	18%	0.0021	-16%	0.0018	22%	0.0022
14	All Fusion CPU Service Units/1000	110%	0.0344	-34%	0.0164	52%	0.0249	-43%	0.0163	225%	0.0285
15	VM per Image per Month	-20%	99.6983	25%	124.6336	66%	99.7516	13%	60.1227	-6%	53.3624
16	SAN per 1GB per Month	-6%	0.1704	5%	0.1814	8%	0.1724	71%	0.1599	-65%	0.0936
17	Physical Server Support / Month	-38%	87.8092	21%	142.3620	29%	117.9565	206%	91.2860	-43%	29.8295
19	DistSys Backup-Recovery/GB Day	40%	0.0028	-4%	0.0020	-47%	0.0021	28%	0.0039	-7%	0.0031
21	WAS per Image per Month	0%	1131.5519	-42%	1136.9858	220%	1968.8217	32%	614.7544	53%	464.3596
23	SQL per Base Unit per Month	--	27.3400	-100%	0.0000	0%	28.3313	0%	0.0000	0%	0
23	SQL Memory per GB per Month	--	5.5149	-100%	0.0000	0%	6.0199	0%	0.0000	0%	0
23	SQL Overage per GB per Month	--	0.9828	-100%	0.0000	0%	1.5807	0%	0.0000	0%	0
23	SQL License per License per Month	--	108.2952	-100%	0.0000	0%	129.0599	0%	0.0000	0%	0
26	Remote Server Support per Server per I	8%	92.7662	28%	85.8295	-54%	67.0674	0%	144.8999		
27	VDI per Virtual Desktop per Month	1%	26.5405	24%	26.3060	-12%	21.2634	0%	24.2565		
27	RDP Pool Users VDI per Month	1%	6.6351		6.5765	0%	0				
28	sFTP Units	83%	4.6363	--	2.5366	0%	0				
29	SharePoint Internal	-68%	300.6867	--	937.0431	0%	0				
30	SharePoint External	-19%	549.4101	--	676.4972	0%	0				
31	TFS	74%	640.7286	-15%	367.3901	0%	431.2534				
32	Enterprise Fax Services	-19%	0.0279	10%	0.0342	0%	0.0311				
33	SSRS	-17%	992.6780	--	1202.7786						
34	JIRA	1%	1.5156	--	1.4960						
35	AIX Hosted Services	-25%	38.0358	--	50.7758						
36	Hosted Rack	--	452.5152								
37	iConvert	--	6.8642								
38	Monitoring	--	0								