State Data Center
Cost Allocation Plan
Fiscal Year 2024

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.

TABLE of CONTENTS

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, a summarized 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.

- **Determination of the Rate Category for Services Provided:** All services provided to the customer by the SDC are identified and approved by the ITSD Director of Finance.
- **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.

State Data Center
Budget Summary

Expenses	FY23	FY24
Personal Services	8,123,928	8,834,205
Fringe Benefits	4,484,391	4,903,654
Expense and Equipment	32,422,712	29,555,335
Total Budgeted Costs	**45,031,030**	**43,293,194**
Cost Adjustment		
Capital Cost	(1,945,200)	
Depreciation	1,195,493	760,271
Total	**(749,707)**	**760,271**
Grand Total	**44,281,323**	**44,053,465**

Expenses and Equipment

Code	Description	FY23	FY24
103	CPU	1,167,492	950,000
106	DASD Growth	291,744	315,000
107	Deduplication/Replication HW Lease	136,000	0
108	Disaster Recovery CPU (Springfield Site)	40,000	0
113	SAN DASD	1,205,912	1,076,462
119	VM Hardware Purchase Lease	583,699	628,575
120	DR Print Services	152,000	100,000
121	OnBase HealthCheck - HyLand Services	0	0
205	DASD maintenance	109,000	141,000
206	Server/Storage Maintenance	300,000	500,000
214	External Coupling Facility	28,000	0
222	Print Burster/Trimmer/Stacker	100,000	100,000
223	Print Usage	130,000	133,000
224	Printer-Impact	2,000	2,000
225	Printer-Laser	80,000	80,000
229	Remote Server Maintenance	0	500
231	SAN Sever and Storage Maintenance	54,000	222,000
233	GTX Qualifier Maintenance	3,000	0
237	z/OS Virtual Tape maintenance	30,000	107,500
238	VM Server and Storage Maintenance	63,400	45,500
239	Batteries/UPS Maintenance	185,000	200,000
240	Generator Maintenance	70,000	50,000
243	VDI Server Maintenance	29,000	0
244	VDI Storage Maintenance	30,000	35,000
245	DistSys SVC Hardware Maint	10,000	8,500
246	QCX E138 MICR Verifier	0	2,000
303	Softek TDMF Replicator for zOS	69,000	75,900
305	BMC Mainview	122,470	140,000
306	CICS Transaction Gateway	131,400	151,000
307	CICS/TS V5	744,500	856,175
308	COBOL for MVS	96,350	110,000
309	Mackinney Software JQP/VVP	9,339	15,500
311	AFP Toolbox (Toolkit)	3,000	3,450
313	DSF/DSS/HSM	148,000	101,000
321	Interactive Output Facility (IOF)	6,500	40,000
324	WebSphere MQ	471,000	0
328	OGL	6,000	6,900
329	OS/390	1,306,746	1,502,750
330	Page Print Format Aid/370 V1 PPFA	4,000	4,600
331	Enterprise PL/1 Alternate Function	88,900	102,250
332	PSF	40,000	46,000
333	SDF II	28,550	32,850
338	DB2 for Z/OS V12	683,082	785,544
340	Microsoft Server Operating System Subsc.	5,000	3,000
341	UDB - DB2 Utilities Suite	42,671	49,072

342	Symantec EndPoint Protection Subsc.-RSS	2,000	0
343	Antivirus for Exchange	160,000	170,000
344	Vmware vCloud Enterprise Suite	0	0
345	SiteScan	5,000	5,000
349	Lansweeper	50,000	43,000
351	Kiwi Syslog	400	400
353	Solarwinds NPM	15,000	0
354	Solarwinds SAM	12,000	0
355	Solarwinds NTA	7,200	0
356	Orion Polling Engines	103,260	100,000
357	Orion Web Server	1,000	0
360	IBM SKLM encryption licenses	5,000	5,000
361	Logging Maintenance	372,224	390,000
363	EMC Software ELA (FY22 last year)	0	0
364	Solarwinds WPM	5,200	5,500
365	Enhanced ACIF	4,500	5,175
366	Splunk Professional Services	80,000	144,000
404	CA Interest W/XA-ESA-Batch	48,180	56,900
405	CA Interest W/XA-ESA-CICS	107,430	127,000
406	CA Librarian	164,362	193,950
408	CA Restart/Recover (CA11)	3,200	3,776
410	CA Scheduling Package (CA7)	175,192	206,730
411	CA TMS (CA1)	195,000	230,783
412	CA UNIPAK	1,231,612	1,662,572
414	Omegamon for CICS	66,001	75,900
415	CL/Supersession for z/OS	71,800	83,000
416	IBM Tivoli Omegamon XE DB2 V4	159,815	183,787
417	IBM Tivoli Omegamon XE z/OS V2	131,500	151,500
419	DB2 Connect	366,589	182,450
420	SEA JCL Plus	23,702	22,600
421	Document Management Systems (MOBIUS)	680,000	210,000
422	Dumpmaster MVS	133,694	138,000
424	Precisely Code-1 and Zip+4	28,100	29,700
427	Red Hat Enterprise/Network Satellite Maint	125,000	95,000
428	Tivoli WAS/ND - lease ELO	588,306	492,748
429	Insync MVS	112,064	115,500
431	Tic Toc	10,900	11,600
433	Symantec EndPoint Protection Subsc. - VM	25,000	0
434	Connect:Direct	30,000	35,000
435	Merrill Consultants MXG	2,500	2,500
436	MVS Quick Reference	42,525	42,525
439	SFTP Software Maintenance	11,720	98,702
440	Platinum DB2 Tools	564,174	667,752
443	SAS Base	118,285	130,100
444	SAS/STAT	82,431	90,700
445	SAS/ACCESS	79,259	8,720
446	CA Copycat Utility (formerly listed as Rocket)	25,000	30,000

447	SAS/ETS	82,431	90,700
451	SA Licenses for SQL	744,625	813,531
452	Precisely SyncSort (MFX for z/OS)	34,240	38,000
453	SynRecovery software	1,000	1,000
456	Distributed Print Software Maintenance	82,500	37,608
458	DistSys SSRS Software Maintenance	29,400	30,870
460	Tivoli Storage Management	199,285	185,000
463	Vanguard Administration	61,060	62,892
468	MySQL Subscription	105,197	120,750
469	VMWare Software Maintenance	611,651	611,651
470	Microsoft VDA Licensing (Subscription)	520,000	0
471	Catalog Recovery Software - zOS Data Backup	0	0
472	SDI TN3270 Emulation	31,330	35,500
473	DB2 Maintenance(SHI)	1,715,739	446,418
474	Software - Maintenance Renewals AD	128,000	177,000
477	SAN Software	1,271,500	870,000
478	Vranger Software Maintenance	28,000	28,000
481	Software -Subscription -ShareGate (w/ lic increase)	15,000	11,000
482	Software -Maintenance -MS SelectPlus	15,000	15,000
483	JIRA Software Maintenance plus plugin	137,000	71,136
487	Solimar iConvert	40,310	51,600
489	uDeploy software Maintenance	82,444	132,444
490	Rocket SW Mainstar Fast Audit,DASD,Catalog Recovery	36,000	36,000
491	ITSM Tool Maintenance - cherwell	150,000	130,000
492	Office 365 ProPlus	637,000	0
494	Tidal Maintenance	52,784	52,784
498	Enterprise OnBase Licenses	225,000	239,000
499	AppViewX Software Maintenance	37,530	160,375
503	Deduplication/Replct Purchase-DistBU-Rcvry	650,000	570,000
510	Servers - AD	48,000	48,000
514	VM Hardware Purchase	635,000	500,000
516	VDI End-Point Device	0	0
517	VDI Server and Upgrades	233,720	684,000
518	VDI Storage and Upgrades	0	210,000
519	DistSys SAN Hardware Upgrade	448,333	716,000
520	z/OS InfoPrint Hardware Purchase	1,110,000	0
532	NOC - Desktop Computer Equipment	3,200	0
533	zOS Data Backup Purchase	240,000	166,000
536	Security Review Audit	30,000	30,000
537	Plesk License Purchase	0	0
538	Box software subscription For Enterprise	252,100	411,655
539	OnBase Adminstration and Utility Software	6,500	10,700
540	Print Room Changes	0	0
601	Enterprise License for SQL (New)	132,181	19,320
606	TSM Software Purchase (SKLM)	27,000	50,000
607	VM Software Purchase	343,400	560,000
608	Vranger License Enhancement	10,000	0

609	VMWare View Licensing-GROWTH	0	0
618	Microsoft System Center Suite - SCOM	43,000	43,000
620	Foglight license purchase/maintenance	44,000	44,000
622	New Enterprise OnBase Modules (DIR Imp, WRFL Approv, DOCSIGN)	16,000	15,000
629	ITSM Tool Software	23,400	0
633	Exchange Server License Purchase	60,000	60,000
634	Enterprise Vault Renewal	300,000	345,000
635	Proofpoint Mail Relay Software (90% total cost)	490,000	500,000
636	Quadrotech Flightdeck PST software	71,000	193,700
640	SQL Software	396,494	492,576
641	MySQL Software encryption	19,784	36,864
648	Cert Costs	560	560
654	Rave Texting	0	0
657	Software Delivery Tool (Big Fix)	27,500	109,000
660	SharePoint Server Licenses	26,000	0
661	Creator license	290,253	298,200
662	App Response	55,000	0
663	Appliation Mapping Tool	150,000	0
704	Paper	747,500	700,500
706	Printer Supplies	200,000	200,000
802	MS Premier Support and other Support	473,725	473,725
808	Internet Expenses	44,000	0
811	Office Supplies, Equipment and Maintenance	30,000	30,000
812	Cell Phones	20,000	0
813	Electrical Distribution, Maintenance	275,000	275,000
814	Postage/Inter Agency Mail Delivery	200	0
816	Racks, Cabinets, Furniture & Building Changes	110,000	75,000
818	S390 SoftwarExcel	116,119	138,000
820	Subscriptions & Publications	1,000	0
821	Telephone Service and Equipment	85,000	85,000
822	Training & Professional Development	10,000	0
823	Travel	5,000	0
824	Resource Oversight	46,000	0
825	VPN - Access Charge	5,000	0
827	SSL Certificates	500	0
829	Shredding	2,000	2,000
830	SAN/NAS Support Line	50,000	14,000
831	Disaster Recovery Rental (Springnet)	500,000	500,000
832	Disaster Recovery Electric (Springnet)	120,000	120,000
835	Contractor Services	10,000	15,000
835	Exchange Contractor Services	60,000	60,000
836	Exchange Training/Travel/Tools for Staff	2,000	3,000
837	MovIT Transfer Admin Training	0	36,968
838	SAN Training/Travel/Tools for Staff	3,000	8,000
839	SQL Training /Travel/Tools for Staff	40,324	25,000
840	SharePoint Training /Travel/Tools for Staff	16,000	24,000
841	VM Training/Travel/Tools for Staff	5,000	20,000

842	TSM Training/Travel/Tools for Staff	3,500	10,000
845	WAS Training/Travel/Tools for Staff	15,360	18,150
848	MobaXterm, MiniTab (software tools)	6,400	7,000
853	SSRS Training /Travel/Tools for Staff	17,874	15,178
857	Calero Software and Billing Expenses	37,000	0
858	Billing System	20,000	0
859	CPU Training/Travel/Tools for Staff	20,000	20,000
860	CICS Training/Travel/Tools for Staff	10,000	10,000
863	Watson & Walker Publication	1,570	1,700
869	Web Utility Training / Travel / Tools	8,875	65,680
872	NOC Training /Travel/Tools	49,200	69,000
873	Staff Training	27,200	41,300
874	Staff Training	39,046	77,350
876	Proofpoint/support srvc/hardware replacement	11,000	11,000
880	JIRA Training/Travel/Tools for Staff	2,930	6,414
881	MySQL Training /Travel/Tools for Staff	5,000	17,000
882	DB2 LUW Training/Travel/Tools	46,210	26,051
883	Tableau Training/Tools/travel	10,000	19,101
884	ITSM Training	20,000	10,000
885	Neodynamic Barcode	2,988	2,988
886	Priority Support	4,869	4,940
887	BOX Training/Travel/Tools for Staff	5,540	7,982
628	Logging Software	0	
888	CPU Professional Services	40,000	40,000
889	Training/Travel/Tools for Staff	5,000	6,000
897	Contractor Assessment	100,000	0
JITT	zOS IDMS Training/Travel/Tools Pofessional Services/Training	0	75,000
JITT	SMPE Training	0	3,500
JZTT	zOS DB2 Training/Travel/Tools Professional Services/Training	0	279,600
M01	Encryption Maintenance	13,375	0
M05	WAS Encryption - Guardium	23,635	0
M06	SSRS Encryption- Guardium	687	0
M07	DistSys SSL Certificates	3,500	3,500
M08	Plesk Maintenance	7,255	7,255
M09	Server Core - Internal	150,000	254,621
M19	Software - Kwizcom (DataSheet View)	1,600	1,400
M20	CICS Performance Analyzer	26,900	31,000
M21	InfoPath Forms stop gap	325,000	75,000
M22	ShareGate plug-in for Forms bridge product	10,500	0
M23	Vanguard Security Center	94,000	0
	Total	**32,432,712**	**29,555,335**

Five Year Rate Summary

Num.	Category Description	FY24	FY23	FY22	FY21	FY20
1	Laser Feet Printed				0.044	0.045
1	Lines (Impact) Printed/1000				0.528	0.532
1	Laser Feet Printed/Duplex				0.035	0.0357
1	Simplex Rate (by page)	0.06	0.06	0.06		
1	Duplex Rate (by page)	0.05	0.05	0.05		
2	CPU Service Units/1000	0.00538	0.0056	0.0053	0.0061	0.0069
3	CICS Transactions	0.0011	0.0012	0.0012	0.0011	0.0009
5	zOS Enterprise Data Backup/GB Day	0.0041	0.0035	0.0049	0.0057	0.0055
7.1	AD User ID per Month	1.55	1.34	1.19	1.12	1.01
7.2	Exchange Mailbox per Month	7.69	7.34	6.79	6.34	5.92
8	zOS Data Storage/GB Day	0.065	0.061	0.067	0.068	0.085
10	zOS IDMS Run Units	0.0084	0.0069	0.0060	0.0041	0.0040
11	zOS DB2 Service Units/1000	0.0034	0.0033	0.0031	0.0050	0.0037
15	VM per Image per Month	59.82	42.69	66.05	61.83	72.63
16	SAN per 1GB per Month	0.1491	0.1576	0.1664	0.1834	0.1922
17	Physical Server Support /Month					-
19	DistSys Backup-Recovery/GB per Month	0.045	0.050	0.0620	0.0705	0.0577
21	WAS per JVM Heap Size	48.94	59.21	41.03	48.65	53.89
23	SQL per Base Unit per Month	42.33	40.16	37.53	38.50	37.20
23	SQL Memory per GB per Month	4.46	4.46	4.12	4.45	3.85
23	SQL Overage per GB per Month	0.52	0.53	0.52	0.67	0.95
23	SQL License per License per Month	143.20	140.10	132.32	138.06	111.84
26	Server Support/Month	199.07	150.73	115.24	90.53	94.59
27	VDI per Virtual Desktop per Month	33.56	37.10	27.86	34.72	33.67
27	VDI - Office 365		14.16	10.92	10.34	8.65
27	RDP Pool Users VDI per Month	13.77	15.22	7.72	10.58	10.33
28	sFTP Account per Month	3.40	1.36	2.73	2.78	2.19
29	SharePoint/GB/Month	16.67	20.28	16.93	25.12	18.20
31	TFS					
32	Enterprise Fax (Moved to Telecom)					-
33	SSRS per Enterprise Instance	91.74	109.44	95.13	75.78	70.56
33	SSRS Per Dedicated Instance	378.57	514.69	451.00	376.20	297.47
34	JIRA	16.60	2.08	10.85	3.40	5.75
35	AIX Hosted Services					
42	OnBase ECM	25.18	24.63	19.58	18.50	18.29
43	Web Utility	20.87	12.00	11.32	13.91	12.18
44	MySQL Base	131.87	92.83	83.16	100.48	86.33
44	MySQL Memory					
44	MySQL Overage	1.83	1.01	0.79	1.39	1.37
44	MySQL License					
45	Web Hosting	25.32	15.25	14.26	11.21	10.61
47	Tableau				54.98	87.41
47	Tableau Enterprise-Base/agency/month	32.22	47.90	47.90		
47	Tableau Enterprise -Internal/project/mo	Allocation	Allocation	Allocation		
48	DB2LUW Base	315.31	361.64	274.15	185.73	155.85
48	DB2LUW Memory	0.00	10.56	6.59	4.28	3.78
48	DB2LUW Overage	2.84	3.50	3.02	1.92	1.72
48	DB2LUW License	0.00	953.76	745.21	491.74	343.54
49	BOX	26.83	29.34	15.96	21.28	21.24
50	Google	30.45				

Category 1   Print

Unit of Service		Pages Printed	Pages Printed
Utilization		**50,888,686**	**50,888,686**
Duplex	**80%**	36,448,191	36,448,191
Simplex		14,440,495	14,440,495

Budgeted Costs		FY23	FY24
Direct Personnel		392,551	503,640
Fringe Benefits		215,903	277,002
Personal Services		**608,453**	**780,642**
120	DR Print Services	152,000	100,000
222	Print Burster/Trimmer/Stacker	100,000	100,000
223	Print Usage	130,000	133,000
224	Printer-Impact	2,000	2,000
225	Printer-Laser	80,000	80,000
246	QCX E138 MICR Verifier	-	2,000
311	AFP Toolbox (Toolkit)	3,000	3,450
328	OGL	6,000	6,900
330	Page Print Format Aid/370 V1 PPFA	4,000	4,600
332	PSF	40,000	46,000
365	Enhanced ACIF	4,500	5,175
456	Distributed Print Software Maintenance	82,500	37,608
520	z/OS InfoPrint Hardware Purchase	1,110,000	-
540	Print Room Changes	-	-
Hardware/Software Expense & Equipment Total		**1,714,000**	**520,733**
704	Paper	747,500	**700,500**
706	Printer Supplies	200,000	200,000
Expendable Supplies Total		**947,500**	**900,500**
829	Shredding	2,000	2,000
General Support Expense Total		**2,000**	**2,000**
Depreciation		290,866	33,545
Capital Purchases		(1,110,000)	
Total Capital Cost		**(819,134)**	**33,545**
Dist BU Rec		225	825
SAN		1,538	3,072
SQL		-	
VM		3,949	8,467
Job Costs Total		**5,711**	**12,364**
NOC		216,757	210,007
Indirect Cost		207,458	193,459
Indirect Subtotal		**424,215**	**403,466**
Forward Adjustment		**(300,000)**	**0**
Costs With Roll Forward Adjustments		**2,582,745**	**2,653,250**
Total Service Costs		**2,582,745**	**2,653,250**
Estimated Revenue		**2,582,745**	**2,653,250**
Simplex Rate	$	**0.06**	$ **0.06**
		Per Page	Per Page
Duplex Rate	$	**0.05**	$ **0.05**
		Per Page	Per Page

Impact Print (per 1,000) Rate

*Print: Reports printed on the high speed production printers are billed based on page with discount for Duplex.

Category 2 CPU Service Units

Unit of Service		CPU Service Units	CPU Service Units
Utilization		**1,336,014,411,646**	**1,376,148,868,080**
Budgeted Costs		**FY23**	**FY24**
Direct Personnel		449,782	530,471
Fringe Benefits		242,882	291,759
Personal Services		**692,664**	**822,230**
103	CPU	1,167,492	950,000
108	Disaster Recovery CPU (Springfield Site)	40,000	-
214	External Coupling Facility	28,000	-
305	BMC Mainview	122,470	140,000
308	COBOL for MVS	96,350	110,000
309	Mackinney Software JQP/VVP	9,339	15,500
321	Interactive Output Facility (IOF)	6,500	40,000
329	OS/390	1,306,746	1,502,750
331	Enterprise PL/1 Alternate Function	88,900	102,250
404	CA Interest W/XA-ESA-Batch	48,180	56,900
406	CA Librarian	164,362	193,950
408	CA Restart/Recover (CA11)	3,200	3,776
410	CA Scheduling Package (CA7)	175,192	206,730
414	Omegamon for CICS	66,001	75,900
415	CL/Supersession for z/OS	71,800	83,000
417	IBM Tivoli Omegamon XE z/OS V2	131,500	151,500
420	SEA JCL Plus	23,702	22,600
421	Document Management Systems (MOBIUS)	680,000	210,000
422	Dumpmaster MVS	133,694	138,000
424	Precisely Code-1 and Zip+4	28,100	29,700
429	Insync MVS	112,064	115,500
431	Tic Toc	10,900	11,600
434	Connect:Direct	30,000	35,000
435	Merrill Consultants MXG	2,500	2,500
436	MVS Quick Reference	42,525	42,525
443	SAS Base	118,285	130,100
444	SAS/STAT	82,431	90,700
445	SAS/ACCESS	79,259	87,200
447	SAS/ETS	82,431	90,700
452	Precisely SyncSort (MFX for z/OS)	34,240	38,000
463	Vanguard Administration	61,060	62,892
M23	Vanguard Security Center	94,000	
472	SDI TN3270 Emulation	31,330	35,500
487	Solimar iConvert	40,310	51,600
536	Security Review Audit	30,000	30,000
Hardware/Software Expense & Equipment Total		**5,242,863**	**4,856,373**
818	S390 SoftwarExcel	116,119	138,000
859	CPU Training/Travel/Tools for Staff	20,000	20,000
	IBM System Z Hardware Mgmt Console Operation : $1,590		
	Intro to REXX Programming: $1,950		
	Advanced REXX Programming: $1,300		
	RACF: Advanced Administration: $2,190		
	Hardware Configuration & Definition (HCD) z/OS : $3,180		
	Advanced z/OS Security: Crypto, Network, RACF, Enterprise : $3,180		
888	CPU Professional Services	40,000	40,000
863	Watson & Walker Publication	1,570	1,700
General Support Expense Total		**177,689**	**199,700**

Category 2   CPU Service Units

Unit of Service	CPU Service Units	CPU Service Units
Utilization	**1,336,014,411,646**	**1,376,148,868,080**
Budgeted Costs	**FY23**	**FY24**
Depreciation	22,778	2,100
Capital Purchases	(205,000)	
Total Capital Cost	**(182,222)**	**2,100**
AD	13,000	10,000
Dist BU Rec	10,000	8,000
Exchange	18,000	1,000
Print	30	500
Server Support	2,800	2,800
SAN	24,000	18,000
SQL	1,500	1,500
VDI	4,000	2,000
VM	42,000	21,000
WAS	3,500	-
zOS Data BU	200,000	180,000
zOS Data Storage	160,000	150,000
Job Costs Total	**478,830**	**394,800**
NOC	565,123	588,973
Indirect Cost	540,881	542,566
Indirect Subtotal	**1,106,004**	**1,131,539**
Total Service Costs	**7,515,827**	**7,406,743**
Estimated Revenue	**7,515,827**	**7,406,743**
Rate	**$ 0.0056**	**$ 0.0054**

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

*CPU Service Unit: A mainframe's measurement of the amount of CPU consumption for a job or transaction.

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, and FOCUS CPU usage during non-prime hours (5pm to 7am) and are billed at 75 percent of the normal CPU rate.

Category 3   CICS Transactions

Unit of Service		CICS Transactions	CICS Transactions
Utilization		**1,750,641,028**	**1,566,151,164**
Budgeted Costs		**FY23**	**FY24**
Direct Personnel		142,268	157,456
Fringe Benefits		76,824	86,601
Personal Services		**219,092**	**244,057**
306	CICS Transaction Gateway	131,400	151,000
307	CICS/TS V5	744,500	856,175
324	WebSphere MQ	471,000	
333	SDF II	28,550	32,850
405	CA Interest W/XA-ESA-CICS	107,430	127,000
M20	CICS Performance Analyzer	26,900	31,000
Hardware/Software Expense & Equipment Total		**1,509,780**	**1,198,025**
860	CICS Training/Travel/Tools for Staff	10,000	10,000
	CICS TS Web Services : $2,600		
	Mainframe Capacity Planning : $1,300		
	Using RACF with CICS: $1,500		
General Support Expense Total		**10,000**	**10,000**
zOS Data BU		8,000	7,000
zOS Data Storage		6,900	6,900
zOS DB2		8,500	14,000
zOS IDMS		3,000	3,000
Job Costs Total		**26,400**	**30,900**
NOC		155,635	138,429
Indirect Cost		148,959	127,522
Total Allocated		**304,595**	**265,951**
Total Service Costs		**2,069,867**	**1,748,933**
Estimated Revenue		**2,069,867**	**1,748,933**
Rate	$	**0.00118** $	**0.00112**
		Per Transaction	Per Transaction

*CICS Transaction: A CICS Transaction is a request made at a workstation for a display or storage of

Category 5   zOS Data Backup GB/Day

Unit of Service		zOS Data Backup GB/Day	zOS Data Backup GB/Day
Utilization		**200,000,000**	**199,000,000**
Budgeted Costs		**FY23**	**FY24**
Direct Personnel		60,152	57,226
Fringe Benefits		35,965	31,474
Personal Services		**96,117**	**88,700**
233	GTX Qualifier Maintenance	3,000	
237	z/OS Virtual Tape maintenance	30,000	107,500
	Springfield VTS		
411	CA TMS (CA1)	195,000	230,783
446	CA Copycat Utility (formerly listed as Rocket)	25,000	30,000
533	zOS Data Backup Purchase	240,000	166,000
	Install services		
	Springfield VTS FY24 lease purchase		
Hardware/Software Expense & Equipment Total		**493,000**	**534,283**
Depreciation		3,125	10,958
Capital Purchases			
Total Capital Cost		**3,125**	**10,958**
Job Costs			
AD		1,500	100
Dist BU Rec			
Mainframe		1,400	56,800
SQL			
VDI		4,100	-
VM			
zOS Data Storage			
Job Costs Total		**7,000**	**56,900**
NOC		52,832	64,487
Indirect		50,566	59,406
Total Allocated		**103,398**	**123,892**
Total Service Costs		**702,640**	**814,734**
Estimated Revenue		**702,640**	**814,734**
Rate		$ **0.00351**	$ **0.00409**
		Per GB Per Day	Per GB Per Day

*zOS Enterprise Data Backup: zOS Enterprise Data Backup: zOS Enterprise Data Backup is the utilization
of tape backup storage space in the Mainframe environment. Utilization of storage is measured in
gigabytes allocated to backup lpars/data sets.

Category 7.1   Active Directory

Unit of Service

Utilization AD User ID		AD Accounts 806,592	AD Accounts 807,052
Budgeted Costs		**FY23**	**FY24**
Direct Personnel		340,233	407,473
Fringe Benefits		187,128	224,110
Personal Services		**527,361**	**631,582**
M07	DistSys SSL Certificates	3,500	3,500
474	Software - Maintenance Renewals AD	128,000	177,000
	ReACT Maint - $36,000		
	Infoblox Maint - $21,000		
	Pleasant Password Server Maint - $25,000		
	Verisign Cloud DNS Maint - $35,000		
	Windows External Connector - $10,000		
	Manage Engine ADAudit - $22,500		
	ManageEngine ADManager Plus Professional - $22,500		
	Java Licenses - $5000		
510	Servers - AD	48,000	48,000
Hardware/Software Expense & Equipment Total		**179,500**	**228,500**
835	Contractor Services	10,000	15,000
889	Training/Travel/Tools for Staff	5,000	6,000
	Training conference - Ignite one staff -		
	Xyplorer - $320		
	MobaXterm - $400		
	Workstation hardware - Developer Machine - $2000		
	AD- Softerra LDAP Administrator - $400		
	Hyena -		
	UltraEdit - $100		
	Tree Size Pro -		
General Support Expense Total		**15,000**	**21,000**
Depreciation		2,578	2,324
Capital Purchases			
Total Capital Cost		**2,578**	**2,324**
Job Dist BU Rec		68,600	50,000
Srvr Spprt		11,000	14,500
Remote Server Support		15,000	20,000
Exchange		200	200
VDI		3,300	4,500
SQL		13,000	16,000
VM		78,000	65,000
MainFrame		3,100	2,900
AD		5,600	6,000
Splunk		0	507
Job Costs Total		**197,800**	**179,607**
NOC		81,309	99,227
Indirect Cost		77,821	91,409
Indirect Subtotal		**159,131**	**190,636**
Total Service Costs		**1,081,370**	**1,253,649**
Estimated Revenue		**1,081,370**	**1,253,649**
Rate	$	1.34 $	1.55
		FY23	**FY24**

*Active Directory: Active Directory (AD) provides a means to securely authenticate users and access network resources, such as file shares, applications, etc. The cost includes the services and support for the Active Directory services in the cloud and the synch of accounts to cloud services and providers.

Category 7.2   Exchange

Unit of Service		Exchange Users	Exchange Users
Utilization Exchange		**542,088**	**542,548**
Budgeted Costs		**FY23**	**FY24**
Direct Personnel		342,130	376,101
Fringe Benefits		188,172	206,856
Personal Services		**530,302**	**582,957**
343	Antivirus for Exchange	160,000	170,000
633	Exchange Server License Purchase & Renewal	60,000	60,000
634	Enterprise Vault Renewal	300,000	345,000
635	Proofpoint Mail Relay Software (90% total cost)	490,000	500,000
636	Quadrotech Flightdeck PST software	71,000	11,000
	Proofpoint Secure Mail Relay		102,700
	Relativity		
	Windows OS Extended Support		80,000
Hardware/Software Expense & Equipment Total		**1,081,000**	**1,268,700**
835	Exchange Contractor Services	60,000	60,000
	Veritas (EV) Contractor Services	0	
836	Exchange Training/Travel/Tools for Staff	2,000	3,000
	PowerShell Studio		
	Enterprise Vault Training		
	Proofpoint training conference		
876	Proofpoint/support srvc/hardware replacement	11,000	11,000
General Support Expense Total		**73,000**	**74,000**
Depreciation		847	
Capital Purchases			
Total Capital Cost		**847**	**-**
Job Costs			
Dist BU Rec		507,281	451,350
SAN		726,343	808,200
VDI		3,908	5,000
SQL		114,098	122,000
VM		348,426	215,500
AD		6,972	6,000
Job Costs Total		**1,707,028**	**1,608,050**
NOC		299,072	329,854
Indirect Cost		286,242	303,864
Indirect Subtotal		**585,314**	**633,718**
Total Service Costs		**3,977,491**	**4,167,425**
Estimated Revenue		**3,977,491**	**4,167,425**
Rate		$ 7.34	$ 7.69
		FY23	**FY24**

*Exchange: 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.

Category 8   zOS Data Storage GB/Day

Unit of Service Utilization	zOS Data Storage GB/Day 13,900,000	zOS Data Storage GB/Day 14,120,000
Budgeted Costs	**FY23**	**FY24**
Direct Personnel	-	40,975
Fringe Benefits	-	22,536
Personal Services	**63,900**	**63,511**
106 DASD Growth	291,744	315,000
FY22 purchase lease IBM300062207		
FY24 purchase for Springfield		
205 DASD maintenance	109,000	141,000
DS8886 Springfield		
303 Softek TDMF Replicator for zOS	69,000	75,900
313 DSF/DSS/HSM	148,000	101,000
360 IBM SKLM encryption licenses	5,000	5,000
SHI Annual (SKLM)		
490 Rocket SW Mainstar Fast Audit,DASD,Catalog Recovery	36,000	36,000
Hardware/Software Expense & Equipment Total	**658,744**	**673,900**
Depreciation		41,187
Capital Purchases		
Total Capital Cost		**41,187**
NOC	63,712	72,678
Indirect Cost	60,979	66,952
Total Allocated	**124,691**	**139,630**
Total Service Costs	**847,335**	**918,228**
Estimated Revenue	**847,335**	**918,228**
Rate	$ 0.061	$ 0.065
	Per GB Per Day	Per GB Per Day

*zOS Data Storage: zOS Data Storage provides direct access storage for mainframe data. Utilization of storage is measured in gigabytes allocated to lpars/data sets.

Category 10   zOS IDMS

Unit of Service		zOS IDMS	zOS IDMS
Utilization		**260,224,000**	**250,798,000**

Budgeted Costs		**FY23**	**FY24**
Direct Personnel		84,364	159,341
Fringe Benefits		46,400	87,637
Personal Services		**130,764**	**246,978**
412 CA UNIPAK		1,231,612	1,457,723
Hardware/Software Expense & Equipment Total		**1,231,612**	**1,457,723**

	JITT zOS IDMS Training/Travel/Tools Professional Services/Training			
				75,000
		SMPE Training		3,500

Expendable Supplies Total		**75,000**

General Support Expense Total

		FY23	FY24
Depreciation			
Capital Purchases			
Job Costs			
Print		26	-
zOS Data BU		816	600
zOS Data Storage		8,064	8,000
Job Costs Total		**8,906**	**8,600**
NOC		120,899	166,929
Indirect Cost		115,713	153,776
Total Allocated		**236,612**	**320,706**
Forward Adjustment		**200,000**	**-**
Costs With Roll Forward Adjustments		**1,807,894**	**2,109,007**
Total Service Costs		**1,807,894**	**2,109,007**
Estimated Revenue		**1,807,894**	**2,109,007**

Rate	$	0.0069	$	0.0084
		Per Run Unit		Per Run Unit

*zOS IDMS: zOS IDMS is a CA/Broadcom mainframe hierarchical relational database solution that provides an agency the ability to store its business data for later retrieval and decision making. zOS IDMS Service Unit is a measurement of the amount of system resources a process in IDMS uses to complete its request.

Category 11   zOS DB2

Unit of Service	zOS DB2	zOS DB2
Utilization	**772,839,540,000**	**807,151,904,000**

Budgeted Costs		FY23	FY24
Direct Personnel		270,278	203,746
Fringe Benefits		148,653	112,061
Personal Services		**418,931**	**315,807**
338	DB2 for Z/OS V12	683,082	785,544
341	UDB - DB2 Utilities Suite	42,671	49,072
416	IBM Tivoli Omegamon XE DB2 V4	159,815	183,787
419	DB2 Connect	366,589	182,450
440	CA DB2 Tools	564,174	667,752
Hardware/Software Expense & Equipment Total		**1,816,331**	**1,868,605**
Expendable Supplies Total			
JZTT	zOS DB2 Training/Travel/Tools		
	Professional Services/Training		139,800
	SMPE Training		3,500
	DB2 for Z/OS Database Essentials and Design		3,900
	DB2 for Z/OS Database Essentials and Design		6,400
	Db2 Training Misc Class TBD		6,000
	Staff Aug for Upgrade/Maintenance		120,000
General Support Expense Total			**279,600**
Total			
zOS Data BU		20,064	12,000
zOS Data Storage		22,088	16,000
VDI Desktops		1,632	1,632
Job Costs Total		**43,784**	**29,632**
NOC		200,932	232,770
Indirect Cost		192,313	214,429
Total Allocated Cost		**393,245**	**447,198**
Total Service Costs		**2,672,291**	**2,940,842**
Estimated Revenue		**2,672,291**	**2,940,842**
Rate	$	**0.00330** $	**0.00340**
		Per 1,000 Service Units	Per 1,000 Service Units

*zOS DB2: zOS DB2 is a IBM mainframe relational database solution that provides an agency the ability to store its business data for later retrieval and decision making.

The DB2 Service Unit is a measurement of the amount of system resources a process in DB2 uses to complete its request.

Category 15 VM

Unit of Service		VM	VM
Utilization		**28,056**	**26,000**
Budgeted Costs		**FY23**	**FY24**
Direct Personnel		320,635	487,499
Fringe Benefits		176,349	268,124
Personal Services		**496,984**	**755,623**
119	VM Hardware Purchase Lease	583,699	628,575
	Lease FY21 3001021189 VM portion (50%) *FY24 END		
	Lease FY22 3000522195 VM portion (86%)		
	Lease FY23		
238	VM Server and Storage Maintenance	63,400	45,500
	Virtual server hosts and chassis		
427	Red Hat Enterprise/Network Satellite Maint	125,000	95,000
433	Symantec EndPoint Protection Subsc. - VM	25,000	
514	VM Hardware Purchase	635,000	500,000
	Blade servers		
	5 remote sites		
607	VM Software Purchase	343,400	560,000
	New Data center core licenses		
	UltraEdit and TreeSize & mobaxterm		
	Microsoft OS Maintenance		
	Java Licenses		
620	Foglight license purchase/maintenance	44,000	44,000
Hardware/Software Expense & Equipment Total		**1,819,499**	**1,873,075**
807	IBM Server Support Line		
841	VM Training/Travel/Tools for Staff	5,000	20,000
General Support Expense Total		**5,000**	**20,000**
Depreciation		113,319	88,100
Capital Purchases			
Total Capital Cost		**113,319**	**88,100**
Estimated Extra CPU Revenue		(300,000)	(300,000)
Estimated Extra Memory Revenue		(1,450,000)	(1,450,000)
Dist BU Rec		17,000	12,500
SAN		40,000	38,000
SQL		15,500	13,800
AD		1,200	1,500
Server Support		5,500	-
Job Costs Total		**79,200**	**65,800**
NOC		221,647	261,609
Indirect Cost		212,139	240,996
Total Allocated		**433,787**	**502,605**
Total Service Costs		**1,197,789**	**1,555,203**
Estimated Revenue		**1,197,789**	**1,555,203**
Rate	$	42.69 $	59.82
		Per Image/Month	Per Image/Month

Additional charge of $4.00 per Month extra for every one (1) GB of memory over 2 GB.

Additional charge of $7.00 per Month extra for every one (1) additional virtual CPU over 2 vCPUs.

*Virtual Machine (VM):** A VM is a virtualized server, which allows multiple VM's to run on a single physical host.

Category 16   SAN

Unit of Service **Utilization**			**SAN** **24,000,000**	**SAN** **25,000,000**
Budgeted Costs			**FY23**	**FY24**
Direct Personnel			110,959	133,690
Fringe Benefits			61,028	73,530
Personal Services			**171,987**	**207,220**
	113	SAN DASD	1,205,912	1,076,462
		Lease 3001220184 (FY21 lease) FY24 last year		
		Lease IBM FY22 IBM300062207		
		Lease FY23 FS7300 3000123203		
	231	SAN Sever and Storage Maintenance	54,000	222,000
		Power Maintenance (v7) & director switches		
	245	DistSys SVC Hardware Maint	10,000	8,500
	477	SAN Software	1,271,500	870,000
		IBM ELA Lease (Storage cloudpaks)		
		Spectrum Storage software & SVC RTC (SHI Annual)		
		Spectrum storage software maintenance (75 TB)		
		Spectrum storage software maintenance, qty 860 +2 more storage untis for safe guard copy		
		Power maintenance quotes (v7000 (EV))		
		Spectrum purchase ELA		
		Java licenses		
	519	DistSys SAN Hardware Upgrade	448,333	716,000
		SAN Director for JC lease		
		FS7300 to replace 4 FS900's		
		Services		
Hardware/Software Expense & Equipment Total			**2,989,745**	**2,892,962**
	830	SAN/NAS Support Line	50,000	14,000
		ESO support SV1 Nodes, FS900's & NAS support line		
	838	SAN Training/Travel/Tools for Staff	3,000	8,000
General Support Expense Total			**53,000**	**22,000**
Depreciation			4,299	26,829
Capital Purchases			0	
Total Capital Cost			**4,299**	**26,829**
Server Support			6,000	7,500
VM				4,200
Backup			1,000	1,000
Job Costs Total			**7,000**	**12,700**
NOC			284,423	295,130
Indirect Cost			272,223	271,876
Total Allocated			**556,646**	**567,006**
			-	-
Total Service Costs			**3,782,677**	**3,728,717**
Estimated Revenue			**3,782,677**	**3,782,677**
Rate			$ 0.16	$ 0.15
			Per GB Per Month	Per GB Per Month

*Storage Area Network: SAN is the disk storage allocated to both virtual and physical servers. Utilization of storage is measured in gigabytes allocated to the server disks.

Category 19 DistSys Backup-Recovery

Unit of Service		DistSys Backup-Recovery	DistSys Backup-Recovery
Utilization		**52,000,000**	**56,000,000**
Budgeted Costs		**FY23**	**FY24**
Direct Personnel		239,080	273,518
Fringe Benefits		116,778	150,435
Personal Services		**355,859**	**423,953**
107	Deduplication/Replication HW Lease	136,000	0
206	Server/Storage Maintenance	300,000	500,000
	Netapp maintenance		
460	Tivoli Storage Management	199,285	185,000
	Commvault backup recovery subscription		
478	Vranger Software Maintenance	28,000	28,000
503	Deduplication/Replct Purchase-DistBU-Rcvry	650,000	570,000
606	TSM Software Purchase (SKLM)	27,000	50,000
608	Vranger License Enhancement	10,000	0
Hardware/Software Expense & Equipment Total		**1,350,285**	**1,333,000**
842	TSM Training/Travel/Tools for Staff	3,500	10,000
	Two staff to netapp insights conference ($7,500)		
General Support Expense Total		**3,500**	**10,000**
Depreciation		286,696	320,000
	J363 EMC ELA (fy22 last year) No deprec for FY23		
	J503 FY21 Hardware purchase		
	J606 TSM software purchase SHI Annual? PPA?		
Capital Purchases			
Total Capital Cost		**286,696**	**320,000**
Job Costs			
SAN		2,200	2,200
Server Support		-	
VM		35,000	36,000
Job Costs Total		**37,200**	**38,200**
NOC		179,287	198,373
Indirect Cost		171,596	182,742
Total Allocated		**350,884**	**381,115**
Forward Adjustment		200,000	
		2,584,423	**2,506,268**
Adjustments			
Total Service Costs		**2,584,423**	**2,506,268**
Estimated Revenue		**2,584,423**	
Rate		$ 0.05	$ 0.04
		Per GB per month	

*DistSys Backup and Recovery: DistSys backup and recovery provides data protection services for virtual and physical servers through backup software and storage infrastructure. Utilization is measured in gigabytes and is based on the amount of backup storage the server uses.

Category 20 Indirect

Unit of Service

Budgeted Costs		FY23	FY24
Direct Personnel		1,106,514	1,106,514
Fringe Benefits		648,141	648,141
Personal Services		**1,754,655**	**1,754,655**
239	Batteries/UPS Maintenance	185,000	200,000
240	Generator Maintenance	70,000	50,000
802	MS Premier Support and other Support	473,725	473,725
808	Internet Expenses	44,000	
811	Office Supplies, Equipment and Maintenance	30,000	30,000
812	Cell Phones	20,000	
813	Electrical Distribution, Maintenance	275,000	275,000
814	Postage/Inter Agency Mail Delivery	200	
816	Racks, Cabinets, Furniture & Building Changes	110,000	75,000
820	Subscriptions & Publications	1,000	
821	Telephone Service and Equipment	85,000	85,000
822	Training & Professional Development	10,000	
823	Travel	5,000	
824	Resource Oversight	46,000	
825	VPN - Access Charge	5,000	
827	SSL Certificates	500	
831	Disaster Recovery Rental (Springnet)	500,000	500,000
832	Disaster Recovery Electric (Springnet)	120,000	120,000
857	Calero Software and Billing Expenses	37,000	
858	Billing System	20,000	
897	Contractor Assessment	100,000	-
General Support Expense Total		**2,137,425**	**1,808,725**
Depreciation		131,163	15,462
Capital Purchases		(330,200)	
Total Service Costs		**3,693,042**	**3,578,842**

Category 21 WAS

Unit of Service **Utilization**	(Java Heap Size)	**WAS** **19,752**	**WAS** **17,427.00**
Budgeted Costs		**FY23**	**FY24**
Direct Personnel		145,785	79,313.53
Fringe Benefits		80,182	43,622.44
Personal Services		**225,967**	**122,935.97**
428	Tivoli WAS/ND - lease ELO	588,306	392,204.00
	WAS/Automation		100,544.00
	Oracle Java License		0.00
M05	WAS Encryption - Guardium	23,635	0.00
Hardware/Software Expense & Equipment Total		**611,941**	**492,748.00**
845	IBM Cloud Integration Digital Learning - Gary Farris		3,126.00
845	IBM Cloud Integration Digital Learning - Nathan Purdy		3,126.00
845	IBM Cloud Integration Digital Learning - Jason Harrington		3,126.00
845	IBM Cloud Integration Digital Learning - Eric Masters	15,360	3,126.00
	VM/Hardware/Tools		5,226.00
	Box IDs		149.75
	MobaXTerm		270.00
	UltraEdit		
	Visio Licenses		
		15,360	**8,771.75**
General Support Expense Total			
	Depreciation	-	12,589.00
	Capital Purchases	-	
Total		**-**	**12,589.00**
Dist BU Rec		16,243	3,207.59
SAN		9,175	6,808.32
AD		1,082	1,157.76
DB		8,098	0.00
VM		109,352	75,027.48
Job Costs Total		**143,951**	**86,201.15**
NOC		88,032	67,512
Indirect		84,256	62,192
Total Allocated		**172,288**	**129,703.51**
Total Service Costs		**1,169,507**	**852,949.38**
Estimated Revenue		**1,169,507**	**852,949.38**
Rate		$ 59.21	$ 48.94
		Per JVM Heap Size	Per JVM Heap Size

*WebSphere Application Server (WAS): WAS is an Enterprise IBM Application platform that serves up JAVA Web Applications to users.

Category 23　　　　**SQL**

Unit of Service			SQL	SQL
Utilization-Base	32%		35,376	34,344
Utilization-Memory per GB	3%		28,968	30,564
Utilization-Overage GB	49%		3,734,040	4,267,524
Utilization-License	16%		5,532	5,076
	100%			
Budgeted Costs			**FY23**	**FY24**
Direct Personnel			646,244	754,289
Fringe Benefits			355,435	414,859
Personal Services			**1,001,679**	**1,169,147**
	451	SA Licenses for SQL	744,625	813,531
	601	Enterprise License for SQL (New)	132,181	19,320
	640	SQL Software	396,494	492,576
		Tidal		
		SolarWinds DPA		52,000
		DAM		98,500
		Encryption		274,067
Hardware/Software Expense & Equipment Total			**1,273,300**	**1,325,427**
	839	SQL Training /Travel/Tools for Staff	40,324	25,000
		RedGate	$ 3,709	$ -
		Toad	$ 19,600	$ -
		Viso	$ 2,415	
		Plural Sight		
		Staff On/Offsite Training	$ 14,000	$ 14,000
		Plural Sight		
		Brent Ozar SQL Training		$ 3,500
		Mobaxterm	$ 600	
General Support Expense Total			**40,324**	**42,500**
Depreciation			-	
Capital Purchases				
Total Capital Cost			**-**	**-**
		AD	36,000	44,000
		Dist BU Rec	22,000	22,000
		Server Support	-	
		SAN	946,000	935,640
		VM	352,000	342,000
Job Costs Total			**1,356,000**	**1,343,640**
		NOC	324,094	359,586
		Indirect Cost	310,191	331,252
Total Allocated			**634,285**	**690,838**
Total Service Costs			**4,305,588**	**4,543,052**
Estimated Revenue			**4,303,942**	**4,543,052**

		SQL Base		SQL Base
Base Rate	$	40.16	$	42.33

		SQL Memory		SQL Memory
Memory Rate	$	4.46	$	4.46

		SQL Overage		SQL Overage
Overage Rate	$	0.53	$	0.52

		SQL License		SQL License
License Rate	$	140.10	$	143.20

*SQL: SQL is a Microsoft relational database solution that provides an agency the ability to store its business data for later retrieval and decision making. The rate is broken down as follows:

• **SQL Database Base -** Cost driven by the number of databases

Category 26 Server Support

Unit of Service **Utilization**	**Server Support** **3732**	**Server Support** **2640**
Budgeted Costs	**FY23**	**FY24**
Direct Personnel	302,101	282,142
Fringe Benefits	166,156	155,178
Personal Services	**468,257**	**437,320**
229 Remote Server Maintenance	-	500
340 Microsoft Server Operating System Subsc.	5,000	3,000
342 Symantec EndPoint Protection Subsc.-RSS	2,000	-
Hardware/Software Expense & Equipment Total	**7,000**	**3,500**
Job Costs		
Dist BU Rec	400	500
MySQL	2,000	2,300
SAN	400	500
VM	1,700	1,500
Total Job Costs	**4,500**	**4,800**
NOC	42,298	41,596
Indirect Cost	40,483	38,319
Total Allocated	**82,781**	**79,915**
Total Service Costs	**562,538**	**525,536**
Estimated Revenue	**562,538**	**525,536**
Rate	$ **150.73**	$ **199.07**
	Per Server/Month	Per Server/Month

Server Support: Server Support encompasses the infrastructure management of physical servers, both in the SDC and in remote offices. Infrastructure management includes installing the OS, maintaining the hardware, providing anti-virus and windows updates, and providing troubleshooting services when issues arise.

Category 27 VDI

Unit of Service			VDI Users	VDI Users
Utilization	**Standard**		**45,000**	**45,000**
	Standard-No Office		**1,100**	**1,100**
	Basic		**28,100**	**28,100**

Budgeted Costs		**FY23**	**FY24**
Direct Personnel			
Fringe Benefits			
Personal Services		0	0
243	VDI Server Maintenance	29,000	
244	VDI Storage Maintenance	30,000	35,000
469	VMWare Software Maintenance	611,651	611,651
	ELA yearly amount		
	Teradici		
	Foglight renewals		
	Java		
470	Microsoft VDA Licensing (Subscription)	520,000	
492	**Office 365 ProPlus**	**637,000**	
516	VDI End-Point Device	0	
517	VDI Server and Upgrades	233,720	684,000
	Lease FY21 3001021189 VDI portion (50%)		
	Lease FY22 3000522195 VDI portion (14%)		
	FY24 Hardware refresh purchase (4 quarters of 3 year lease)		
518	VDI Storage and Upgrades	0	210,000
	Replace current controllers going end of life		
609	VMWare View Licensing-GROWTH	0	
	Standard growth		
	Foglight purchase		
Hardware/Software Expense & Equipment Total		**2,061,371**	**1,540,651**
Depreciation		211,957	92,063
Capital Purchases			
Total Capital Cost		**211,957**	**92,063**
Estimated Revenue from Basic user (692 users @ $11 rate)			
Job Costs			
AD		160	
Dist BU Rec		7,000	
SAN		40,000	
SQL		5,600	7,304
VM		40,000	
Job Costs Total		**92,760**	**7,304**
NOC		208,872	153,088
Indirect Cost		199,912	141,025
Total Allocated		**408,784**	**294,113**
Forward Adjustment			
Costs With Roll Forward Adjustments		2,774,872	1,934,131
Total Service Costs		**2,774,872**	**1,934,131**
Total with Office 365 (for NOC/Indirect allocation)		**2,774,872**	**1,934,131**
Estimated Revenue		**2,774,872**	**1,934,131**

VDI Standard Rate per user per month	**$37.10**	**$33.56**
An additional charge per month for Office 365	**$14.16**	**$0.00**
VDI Basic (Pool) Rate per user per month	**$15.22**	**$13.77**

An additional charge of $4 per Month extra for every one (1) gb of memory over our standard Configuration.

An additional charge of $7 per Month extra for every one (1) additional virtual CPU over 2 vCPUs.

*Virtual Desktop Infrastructure (VDI): 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.

Category 28   sFTP

Unit of Service		sFTP	sFTP
Utilization		**101,580**	**81,504.00**
Budgeted Costs		**FY23**	**FY24**
Direct Personnel		53,849	55,883.58
Fringe Benefits		29,617	30,735.97
		83,467	**86,619.55**
Personal Services			
439	MoveIT Transfer Software Maintenance	11,720	11,720.20
	MoveIT Automation Software Maintenance		5,200.00
	New MoveIT Software Purchase		81,782.29
	Guardium	11,720	0.00
	MoveIT Software Maint		
	Guardium Maint		
	SW Maintenance		
		11,720	**98,702.49**
Hardware/Software Expense & Equipment Total			0.00
837	MoveIT Transfer Admin Training - George		1,500.00
	MoveIT Transfer Admin Training - Vacant		1,500.00
	MoveIT Transfer Admin Training - Vacant		1,500.00
	Service Contract for New Configuration		30,000.00
	Box IDs		108.00
	ADO		360.00
	VMs, Desktop Hardware, and Tools		2,000.00
			36,968.00
General Support Expenses			
Dist BU Rec		7,441	2,142.02
AD		14	160.80
SAN		7,059	5,777.62
SQL		4,015	2,758.26
VM		3,938	2,016.84
Total Job Costs		**22,467**	**12,855.54**
NOC		10,386	21,618.82
Indirect Cost		9,941	19,915.38
Total Allocated		**20,327**	**41,534.20**
Total Service Costs		**137,980.98**	**276,679.78**
Estimated Revenue		**137,981**	**276,679.78**
Rate	**Per Account/month**	$ 1.36	$ 3.39

*SFTP: Secure File Transfer is a secure method of sharing files between State Staff and External Entities. This system may use automated process to transfer data from one location to another.

Category 29 SharePoint

Unit of Service		SharePoint	SharePoint
Estimated Utilization			
Utilization		**63,474**	**70,116**
Budgeted Costs		**FY23**	**FY24**
Direct Personnel		346,684	266,359
Fringe Benefits		190,676	146,497
Personal Services		**537,360**	**412,856**
401	Axceler ControlPoint (no longer needed)	-	-
481	Software -Subscription -ShareGate (w/ lic increase)	15,000	11,000
M19	Software - Kwizcom (DataSheet View)	1,600	1,400
	Software - KwizCom Forms Enterprise		0
	Software - Annual Support KwizCom		0
	Software - (5 each) KwizCom Workflow Activity Toolkit		0
482	Software -Maintenance -MS SelectPlus	15,000	15,000
M21	InfoPath Forms stop gap	325,000	70,000
	Manage Engine - SharePoint Manager Plus (for 5 farms)		5,000
M22	ShareGate plug-in for Forms bridge product	10,500	-
660	SharePoint Server Licenses	26,000	-
Hardware/Software Expense & Equipment Total		**393,100**	**102,400**
840	SharePoint Training /Travel/Tools for Staff	16,000	24,000
	SharePoint Conferences (NACS Conf., SharePointFest Conf		
	SharePoint Training (Microsoft SP2019/M365, Instructor		
848	MobaXterm, MiniTab (software tools)	6,400	7,000
General Support Expense Total		**22,400**	**31,000**
Depreciation		100,000	100,000
Capital Purchases		(300,000)	
Total Capital Cost		**(200,000)**	**100,000**
Job Costs			
AD		120	120
Dist BU Rec		87,500	87,500
SAN		9,000	9,000
SQL		200,000	200,000
VM		48,000	48,000
Job Costs Total		**344,620**	**344,620**
NOC		96,883	91,099
Indirect Cost		92,727	83,921
Total Allocated		**1,287,090**	**175,020**
Total Service Costs		**1,287,090**	**1,165,896**
Estimated Revenue		**1,287,090**	**1,165,896**
Rate		**$ 20.28**	**$ 16.63**
		Per GB Per Month	**Per GB Per Month**

*SharePoint: SharePoint provides a web-based platform for file sharing and process management.

Category 33 SSRS

Unit of Service	SSRS	SSRS	SSRS	SSRS
Utilization for Base	**1,284**	**288**	**1,356.00**	**360.00**
Server Core Liscense for Dedicated Systems				
	FY23 Enterprise (40%*)	**FY23 Dedicated (60%*)**	**FY24 Enterprise (40%*)**	**FY24 Dedicated (60%*)**
Budgeted Costs				
Direct Personnel	39,908	59,862	39,201.39	58,802.09
Fringe Benefits	21,949	32,924	21,560.77	32,341.15
Personal Services	**61,857**	**92,786**	**60,762.16**	**91,143.24**
458 DistSys SSRS Software Maintenance	11,760	17,640	12,348.00	18,522.00
885 Neodynamic Barcode	1,195	1,793	1,195.23	1,792.84
M06 SSRS Encryption- Guardium	275	412	0.00	0.00
Hardware/Software Expense & Equipment Total	**13,230**	**19,845**	**13,543.23**	**20,314.84**
Expendable Supplies Total	**-**	**-**		
853 SSRS Masterclass - Stephen Fullerton	17,874	-	1,795.00	
SSRS Masterclass - Vacant			1,795.00	
SSRS Masterclass - Matt			1,795.00	
SSRS Learning - Stephen Fullerton			1,700.00	
SSRS Learning - Vacant			1,700.00	
SSRS Learning - Matt			1,700.00	
853 VDI/Workstation/Hardware			3,400.00	
853 MobaXTerm		-	165.00	
853 ADO		-	216.00	
853 Box		-	912.24	
853 Zoho Licenses	-	-	0.00	
General Support Expense Total	**17,874**	**-**	**15,178.24**	**0.00**
Job Costs				
SAN	439	659	434.22	651.33
SSRS - VM	5,398	8,097	11,715.36	7,029.22
SSRS - Backup	614	922	1,536.00	921.60
AD	737	1,105	1,495.44	897.26
SSRS - Enterprise DB	2,190	3,286	3,186.95	1,912.17
Job Costs	**9,378**	**14,069**	**18,367.97**	**11,411.58**
NOC	12,126	18,190	8,485	12,727.23
Indirect Cost	11,606	17,410	7,816	11,724.40
Allocated Costs	**23,732**	**35,600**	**16,301.09**	**24,451.64**
Total Service Costs	**126,071**	**162,300**	**124,152.69**	**147,321.30**
Estimated Revenue	$ 126,071	$ 148,231	124,152.69	135,909.72
Rate for Base	$ 109.44	$ 514.69	$ 91.56	$ 377.53
	Per Enterprise Instance/Mo	Per Dedicated Instance/Mo	Per Enterprise Instance/Mo	Per Dedicated Instance/Mo
Number of Instances	96.00	24.00	113.00	30.00

*SQL Server Reporting Services (SSRS): SSRS is the Enterprise Reporting tool for the State. The system allows users to create, deploy and manage reports.

Category 34   JIRA

			JIRA	JIRA
Utilization			**7,884**	**581.00**
Budgeted Costs			**FY23**	**FY24**
Direct Personnel			10,129	6,226
Fringe Benefits			5,571	3,425
Personal Services			**15,700**	**9,651**
	483	JIRA Software Maintenance plus plugin	137,000	71,136
	483	JIRA Additional Licenses		0
	886	JIRA Priority Support	4,869	4,940
Hardware/Software Expense & Equipment Total			**141,869**	**76,076**
	880	Jira Admin Training - Greg		1,500
	880	Jira Admin Training - Boaz	2,930	1,500
	880	VM/Hardware		2,500
	880	MobaXTerm Licenses		162
	880	ADO	-	144
	880	User Box License		608
General Support Expense Total			**2,930**	**6,414**
Dist BU Rec			1,425	1,038
SAN			1,088	1,031
SQL			1,215	1,215
AD			26	26
VM			3,265	2,705
Job Costs Total			**7,019**	**6,015**
NOC/Indirect				
NOC			14,788	9,024
Indirect Cost			14,136	8,313
Total Allocated			**28,924**	**17,337**
Total Service Costs			**196,442**	**115,493**

Per user Per Month	$	**2.08**	$	**16.57**

*JIRA: JIRA is a software tool that can manage team activity and track issues.

Category 42   OnBase

Unit of Service		OnBase	OnBase
Utilization	Per user	**58,824**	**63,660**
Budgeted Costs		**FY23**	**FY24**
Direct Personnel		543,488	603,916
Fringe Benefits		298,918	332,154
Personal Services		**842,406**	**936,069**
121	OnBase HealthCheck - HyLand Services	-	-
498	Enterprise OnBase Licenses	225,000	239,000
622	New Enterprise OnBase Modules (DIR Imp, WRFL Approv, DOCSIGN)	16,000	15,000
539	OnBase Adminstration and Utility Software	6,500	10,700
M01	Encryption Maintenance	13,375	0
Hardware/Software Expense & Equipment Total		**260,875**	**264,700**
873	Staff Training	27,200	41,300
	OnBase Adv Admin		
	OnBase Workflow		
	OnBase Admin		
	OnBase Premium Subscription		
	Technology Replacement		
	HyLand TechQuest (2 staff)		
General Support Expense Total		**27,200**	**41,300**
Depreciation		2,698	1,904
Capital Purchases			
Total Capital Cost		**2,698**	**1,904**
Job Costs			
AD		1,200	1,400
Dist BU Rec		4,200	4,500
SAN		16,000	19,200
SQL		36,500	36,500
VDI		2,100	2,500
VM		42,000	51,000
Job Costs Total		**102,000**	**115,100**
NOC		109,039	124,950
Indirect Cost		104,361	115,105
Total Service Costs		**1,448,579**	**1,599,129**
Estimated Revenue		**1,448,579**	**1,599,129**
Rate	Per user	$ 24.63	$ 25.12
Rate	Per API		
		Per User/Mo	Per User/Mo

*OnBase ECM: OnBase is State of MO standard Enterprise-level Electronic Content Management (ECM) system used for the

Category 43 Web Utility

Unit of Service		Web Utility	Web Utility
Utilization (Number of Sites)		**42,888**	**3,095.00**
Budgeted Costs		**FY23**	**FY24**
Direct Personnel		90,463	105,659
Fringe Benefits		48,850	63,396
Personal Services		**139,313**	**169,055**
442	MicroSoft Team Foundation Subscription	- -	
453	SynRecovery software	1,000	1,000
489	uDeploy software Maintenance	82,444	82,444
489	uDeploy Test License		50,000
494	Tidal Maintenance	52,784	52,784
499	AppViewX Software Maintenance	37,530	40,375
499	AppViewX Replacement		120,000
648	Cert Costs	560	560
Hardware/Software Expense & Equipment Total		**174,318**	**347,163**
869	Web Utility Training / Travel / Tools	8,875	8,000
869	Box IDs		2,760
869	ADO Licenses		720
869	VDI / Workstation / Hardware		4,200
869	uDeploy AVP Agreement	-	
869	uDeploy Service Architecture/DR		50,000
869	Zoho Licenses	- -	
General Support Expense Total		**8,875**	**65,680**
Depreciation		1,130	1,130
Capital Purchases			
Total Capital Cost		**1,130**	**1,130**
AD		6,142	354
Dist BU Rec		15,409	36,439
SAN		7,398	3,591
DB		25,028	10,074
VM		61,303	23,887
Total Job Costs		**115,281**	**74,345**
NOC		38,749	60,438
Indirect Cost		37,037	55,675
Total Allocated		**75,786**	**116,113**
Total Service Costs		**514,703**	**773,487**
Estimated Revenue		**514,703**	**773,487**
Rate		$ 12.00	$ 20.83
		Per Site/Month	**Per Site/Month**

Web Utility - is all the secondary systems that Web Sites or App Dev can use to support their system. Some of these are Enterprise SSL Cert Services, Enterprise Logging/Staging Services, Enterprise Scheduling and batch services (Tidal and Batch), and uDeploy.

Category 44   MYSQL

Unit of Service			MYSQL	MYSQL
Utilization - Base		99.50%	**3,168**	**3,612**
Memory GB				
Overage GB		0.50%	**2,940**	**1,308**
License				
Budgeted Costs			**FY23**	**FY24**
Direct Personnel			55,792	142,799
Fringe Benefits			30,128	78,540
Personal Services			**85,920**	**221,339**
	468	MySQL Subscription	105,197	120,750
	641	MySQL Software encryption	19,784	18,432
		Encryption	19,784	18,432
		DAM	-	
Hardware/Software Expense & Equipment Total			**124,981**	**139,182**
	881	MySQL Training /Travel/Tools for Staff	5,000	10,000
		Visio		
		Plural Sight Training		
		Staff Training		
		2 Team members to Oracle Open World		7,000
		Mobaxterm		
General Support Expense Total			**5,000**	**17,000**
Depreciation			8,489	8,489
Capital Purchases				
Total Capital Cost			**8,489**	**8,489**
Job Costs				
AD			185	210
Dist BU Rec			4,925	3,500
SAN			5,200	4,600
VM			18,600	18,600
Job Costs Total			**28,910**	**26,910**
NOC			22,361	37,319.48
Indirect Cost			21,402	34,378.93
Total Allocated			**43,763**	**71,698**
Total Service Costs			**297,064**	**477,618**
Estimated Revenue			**297,055**	**477,618**
License Rate				
Base Rate			**$92.83**	**$131.57**
Overage Rate			**$1.01**	**$1.83**

*MYSQL:** SQL is an open-source relational database solution that provides an agency the ability to store its business data for later retrieval and decision making. The rate is broken down as follows:

• **MYSQL Database Base -** Cost driven by the number of databases

• **MYSQL Database Overage –** Cost added to the when a database is over 1 gig.

Category 45   Enterprise Web Hosting

Unit of Service		**Enterprise Web Hosting**	**Enterprise Web Hosting**
Utilization		**1,051**	**744.00**
Budgeted Costs		**FY23**	**FY24**
Direct Personnel		0.00	0.00
Fringe Benefits		0.00	0.00
Personal Services		**0.00**	**0.00**
M08	Plesk Maintenance	7,255.43	7,255.43
537	Plesk License Purchase	0.00	
Hardware/Software Expense & Equipment Total		**7,255.43**	**7,255.43**
874	RedHat System Admin I - Jason Harrington		4,000.00
	RedHat System Admin I - Eric Masters		4,000.00
	RedHat System Admin I - Dustin Knight		4,000.00
	RedHat System Admin I - Vacant		4,000.00
	Container Training - Jason Harrington		3,210.00
	Container Training - Eridc Masters		3,210.00
	Container Training - Dustin Knight		3,210.00
	Container Training - Vacant		3,210.00
	Powershell Training - Jason Harrington		3,190.00
	Powershell Training - Eric Masters		3,190.00
	Powershell Training - Dustin Knight		3,190.00
	Powershell Training - Vacant		3,190.00
	Cloud Services/Training	39,046.00	30,000.00
	Box IDs	0.00	1,520.40
	MobaXterm	0.00	270.00
	ADO		360.00
	VDI\Workstation	0.00	3,600.00
General Support Expense Total		**39,046.00**	**77,350.40**
Job Costs			
	306094EWEB Server		800.28
	306094EWEB Disk		18.91
	306094EWEB DistrSYS (Backup)		13.19
	306094EWEB DB		0.00
	306094EWEB AD		0.00
	306094EWBH Server		72,273.84
	306094EWBH Disk		11,924.02
	306094EWBH DistrSYS (Backup)		14,242.47
	306094EWBH DB		0.00
	306094EWBH AD		0.00
	300ESS Server		6,313.68
	300ESS Disk		907.78
	300ESS DistrSYS (Backup)		593.50
	300ESS DB		0.00
	300ESS AD		0.00
Job Costs Total		**117,677.00**	**107,087.67**

NOC		14,476.00	17,623.92
Indirect Cost		13,855.00	16,235.26
Total Allocated		28,331.00	33,859.18
Total Service Costs		**192,309.43**	**225,552.68**
Estimated Revenue		**192,309.43**	**225,552.68**
Rate	$	**15.25** $	**25.26**
		Per site/month	Per site/month

*Enterprise Web Hosting – is systems that are shared across all agencies. Websites are sharing Web Servers, Software and FTE

Category 46   Network Operations Center (NOC)

Unit of Service	Network Operations Center (NOC)	

Utilization

Budgeted Costs		FY23	FY24
Direct Personnel		1,524,037	1,524,037
Fringe Benefits		838,220	838,220
Personal Services		**2,362,257**	**2,362,257**
345	SiteScan	5,000	5,000
349	Lansweeper	50,000	43,000
351	Kiwi Syslog	400	400
353	Solarwinds NPM	15,000	-
354	Solarwinds SAM	12,000	-
355	Solarwinds NTA	7,200	-
356	Orion Polling Engines(SolarWinds HCO)	103,260	100,000
357	Orion Web Server	1,000	-
361	Logging Maintenance	372,224	390,000
366	Splunk Professional Services	80,000	144,000
364	Solarwinds WPM	5,200	5,500
491	ITSM Tool Maintenance - cherwell	150,000	130,000
532	NOC - Desktop Computer Equipment	3,200	-
618	Microsoft System Center Suite - SCOM	43,000	43,000
629	ITSM Tool Software	23,400	-
657	Software Delivery Tool (Big Fix)	27,500	109,000
662	App Response	55,000	
663	Appliation Mapping Tool	150,000	-
654	Rave Texting	-	
Hardware/Software Expense & Equipment Total		**1,103,384**	**969,900**
872	NOC Training /Travel/Tools	49,200	51,000
	Visual Studio license		
	SolarWinds SWUG class free, travel costs (2 seats)		
	BigFix Content & Relevance v10 (4 seats)		
	BigFix Inventory v10 (4 seats)		
	BigFix Compliance v10 (4 seats)		
	Box, MobaXterm, laptops, computer equipment		
	Splunk training/certification		18000
884	ITSM Training	20,000	10,000
General Support Expense Total		**69,200**	**61,000**
Depreciation		14,350	2,392
Capital Purchases			
Total Capital Cost		**14,350**	**2,392**
AD		86	100
Dist BU Rec		80,731	81,664
SAN		122,434	206,100
SQL		41,751	41,700
VDI		1,340	1,340
VM		158,924	158,500
Total Job Cost		**405,266**	**489,404**
Total Service Costs		**3,954,457.29**	**3,884,953**

NOC is an internal job cost that is allocated to other categories based on estimated utilization.

*NOC: Network Operations Center (NOC) operates 24x7 and uses cutting edge technology, equipment, and tools to monitor critical computing systems and network infrastructure.

Category 47   **Tableau Public Enterprise**

		User Base 6,060	Utilization	User Base 9,254.00	Utilization
Unit of Service					
Budgeted Costs		**FY23**	**FY23**	**FY24**	**FY24**
Direct Personne			146,970.00		71,206.48
Fringe Benefits			79,363.80		39,163.56
Personal Servic		**-**	**226,333.80**	**-**	**110,370.04**
661	Creator license	290,253.00	-	298,200.00	-
M09	Server Core - Internal		150,000.00		254,621.21
M10	Data Management Resource Core - Internal				
M11	Data Management Core - Internal				
M12	Server Managment License - Internal				
M13	Support Premium				
M15	Server Core - Public				
M16	Data Management Resource Core - Public				
M17	Data Management Core - Public				
M18	Server Management License - Public				
Hardware/Software Expense & Equipment Total		**290,253.00**	**150,000.00**	**298,200.00**	**254,621.21**
883	Tableau Admin Training - Dewey				2,820.00
883	Tableau Admin Training - Nisha				5,520.00
883	Tableau Admin Training - Matt				4,620.00
883	Box ID				1,404.00
883	MobaXTeerm				108.00
883	ADO Licenses				128.64
883	VM/Hardware/Tools				4,500.00
General Support Expense Total		**-**	**-**	**-**	**19,100.64**
Depreciation			1,199.00		**1,199.00**
Capital Purchases					
Total Capital Cost			**1,199.00**	**-**	**1,199.00**
Job Costs					
	Server		3,345.00		218,081.52
	Disk		26,000.00		58,891.97
	DistrSYS (Backup		2,000.00		54,578.86
	DB		150.00		-
	AD		27,000.00		128.64
			100,000.00		
			73,000.00		
Job Costs Total		**-**	**231,495.00**	**-**	**331,680.99**
	NOC		67,801.44		65,916.97
	Indirect Cost		64,892.96		60,723.11
Total Allocated		**-**	**132,694.40**	**-**	**126,640.08**
Total Service Costs		**290,253.00**	**741,722.20**	**298,200.00**	**843,611.97**
Estimated Revenue		**290,253.00**	**741,722.20**	**298,200.00**	**843,611.97**
Agency Monthly Rate		$ 47.90 Per Creator License/mo	Allocation Utilization/mo	$ 32.22 Per Creator License/mo	Allocation Utilization/mo
Annual per user					

Category 48 **DB2LUW**

Unit of Service			**DB2LUW**	**DB2LUW**
Utili Base	93%		**4,968**	**4,044**
Memory	0%		**3,176**	**2,580**
Overage	7%		**160,000**	**33,796**
License	0%		**432**	**-**
Total	100%			
Budgeted Costs			**FY23**	**FY24**
Direct Personnel			264,109	378,103
Fringe Benefits			142,619	207,956
Personal Services			**406,728**	**586,059**
473	DB2 Maintenance(SHI)		1,715,739	368,948
	DAM			30,645
	Encryption			46,825
	IBM DB2 Maintenance			
JDSL	DB2 New Software License			
Hardware/Software Expense & Equipment Total			**1,715,739**	**446,418**
882	DB2 LUW Training/Travel/Tools		46,210	20,000
	Toad DBA Suite			
	MobaxTerm			451
	Plural Sight			
	Staff On/Offsite training			
		DB2 Admin Training		5600
	Viso			
General Support Expense Total			**46,210**	**26,051**
Job Costs				
AD			3,900	5,150
Dist BU Rec			8,600	7,167
SAN			121,000	37,800
VM			87,800	60,000
Job Costs Total			**221,300**	**110,117**
NOC			210,981	106,887
Indirect Cost			201,931	98,465
Total Allocated			**412,912**	**205,351**
Total Service Costs			**2,802,889**	**1,367,945**
Estimated Revenue			**2,802,190**	**1,367,945**

Base Rate		$	361.64	$ 314.59
Memory Rate		$	10.56	$ -
Overage Rate		$	3.50	$ 2.83
License Rate		$	953.76	$ -

*DB2LUW: DB2LUW is an IBM relational database solution that provides an agency the ability to store its business data for later retrieval and decision making. The rate is broken down as follows:

• **DB2LUW Database Base -** Cost driven by the number of databases

• **DB2LUW Database Overage –** Cost added to the when a database is over 1 gig.

• **DB2LUW Database Memory –** This is an infrastructure cost passed directly to the dedicated application.

• **DB2LUW Database License –** This is a software license cost passed directly to the dedicated application.

Category 49   BOX

Unit of Service		BOX	
		1,042	1,700.00
Utilization		**12,504**	

Budgeted Costs			FY23		FY24
Direct Personnel		$	35,561	$	28,619
Fringe Benefits		$	19,558	$	15,740
Personal Services		**$**	**55,119**	**$**	**44,359**
538	Box software subscription For Enterprise	$	252,100	$	370,575
538	Additional 200 BOX Licenses	$	-	$	41,080
538	Box software subscription for DMH			$	-
538	Additional DMH Box users	$	-	$	-
Hardware/Software Expense & Equipment Total		**$**	**252,100**	**$**	**411,655**
887	BOX Training/Travel/Tools for Staff	$	5,540	$	3,000
	VM/Hardware/Tools			$	2,300
	Box Conference	$	-	$	-
	MobaXterm			$	216
	Visio Licenses	$	-	$	-
	Zoho Licenses	$	-	$	-
	ADO Licenses			$	360
	Box IDs			$	2,106
	Premier Knowledge Training	$	-	$	-
General Support Expense Total		**$**	**5,540**	**$**	**7,982**
Job Costs					
AD Costs		$	26	$	64
Total Job Costs		**$**	**26**	**$**	**64**
NOC		$	27,612	$	42,665
Indirect Cost		$	26,427	$	39,303
Total Allocated		**$**	**54,039**	**$**	**81,968**
Total Service Costs		**$**	**366,824**	**$**	**546,029**
Estimated Revenue		**$**	**366,824**	**$**	**546,029**
Rate		**$**	**29.34**	**$**	**26.77**
			Per user/Month		Per user/Month

*BOX.com: BOX.com is a cloud-based file collaboration/sharing/storage solution, which allows internal and external users access to data.

Category 50   **Google Workspace**

0

Unit of Service

	Google Accounts	
Utilization AD User ID		**722**

Budgeted Costs	**FY23**	**FY24**
Direct Personnel	0	10,221
Fringe Benefits		5,519
Personal Services	**0**	**15,740**
Google Workspace Licensing		247,095
Hardware/Software Expense & Equipment Total		**247,095**

Job Costs	Dist BU Rec	
	Srvr Spprt	1,000
Job Costs Total		**1,000**

NOC		0
Indirect Cost		0
Indirect Subtotal		**0**

Total Service Costs		**263,835**

Estimated Revenue

Rate		**$ 30.45**

Rate	$ 0.0056	$ 0.0054	%change	$ 0.0012	$ 0.0011	$ 0.0610	$ 0.0651	$ 0.0033	$ 0.0034	$ 0.0035	$ 0.0041
	CPU	CPU	CPU % change	CICS	CICS	Z Data Strg	Z Data Strg	ZOS DB2	ZOS DB2	ZOS Data BU	ZOS Data BU
Agency	FY23	FY24		FY23	FY24	FY23	FY24	FY23	FY24	FY23	FY24
SOS	1,333	1,336	0	408	363	5	5	707	799	0	0
Auditor	312	408	31	35	32	19	22	42	116	656	559
Treasurer	235	226	(4)	92	93	1	1	61	72	9	6
AGO	496	526	6	229	148	-	-	247	310	-	-
OA	414,071	592,569	43	118,690	10,545	145,633	59,014	-	121,600	103,559	130,000
SDC/Growth	-	200	N/A	-	4,774	-	84,976	-	68,725	-	-
AG	940	1,060	13	403	468	-	-	379	524	-	-
DCI	1,975	1,936	(2)	465	415	2	1	1,082	1,187	22	18
MDC	2,524	2,585	2	817	727	-	0	799	878	-	0
DED	7,046	6,079	(14)	144	151	1,242	1,181	279	291	463	372
DESE	4,350	7,060	62	1,771	1,867	-	0	2,144	4,108	0	0
HE	1,867	2,621	40	393	343	-	-	875	1,414	-	-
DHSS	110,407	100,530	(9)	30,619	26,396	504	497	14,591	14,095	4,672	3,763
MODOT	38,696	22,552	(42)	7,646	5,673	16	10	11,954	7,661	3	2
DOLIR	5,390	5,199	(4)	489	370	68	67	889	1,132	489	405
DMH	122,752	110,026	(10)	7,376	5,154	3,613	3,179	47,260	46,084	2,553	2,198
DNR	25,725	23,148	(10)	1,698	1,549	695	666	11,684	11,693	3,846	3,158
DPS/MSHP	120,019	128,598	7	286,506	101,475	601	-	13,498	5,239	193	-
DOR	1,384,821	1,352,570	(2)	110,533	201,031	151,822	145,787	260,278	291,443	301,177	224,972
DSS	4,688,002	4,462,366	(5)	1,359,114	1,136,450	440,177	437,417	2,077,621	2,025,296	389,197	341,344
DOC	22,578	22,827	1	11,851	8,395	-	-	9,811	11,946	-	-
Other	24,791	124,818	403	80,246	395,196	0	567	861	13,625	4	160
Total	6,978,332	6,969,242	(0)	2,019,522	1,901,617	744,398	733,389	2,455,062	2,628,242	806,844	706,957

Rate	$ 59.21	$ 48.98	$ 0.0069	$ 0.0084			$ 0.0497	$ 0.0448	$ 1.34	$ 1.55	$ 7.34	$ 7.67
	WAS	WAS	ZOS IDMS	ZOS IDMS	Print	Print	BackUp Rec	BackUp Rec	AD	AD	Exchange	Exchange
Agency	FY23	FY24	FY23	FY24	FY23	FY24	FY23	FY24	FY23	FY24	FY23	FY24
SOS	-	-	-	-	-	-	-	-	215	316		-
Auditor	-	-	-	-	-	-	679	521	801	1,083		-
Treasurer	-	-	141	235	-	-	12,080	12,380	615	732		-
AGO	-	-	-	-	-	-	-	-	5,005	6,413		-
OA	492	588	-	-	-	23,350	99,696	75,794	47,666	60,000	186,182	211,007
SDC/Growth	-	-	-	-	11,735	18,309	-	500,000	-	-	-	-
AG	-	-	1	5	-	-	13,882	11,408	6,993	9,868	35,036	43,095
DCI	-	-	11	22	-	-	39,505	37,165	12,971	16,428	59,317	65,400
MDC	-	-	475	577	13	21	-	-	229	300	-	-
DED	-	-	184	182	-	-	11,163	8,612	6,822	8,486	27,866	31,478
DESE	-	-	-	0	-	-	71,472	47,344	35,482	49,087	161,004	198,050
HE	47,268	56,431	16	51	-	-	13,155	11,234	2,446	10,393	9,207	40,314
DHSS	-	-	94,982	112,051	1,252	1,321	121,903	102,761	68,432	83,504	307,668	316,607
MODOT	-	-	162	262	4	1	199,205	254,672	1,730	2,552	-	-
DOLIR	277,702	350,340	1,349	2,013	1,010,164	453,348	106,145	91,510	21,509	27,520	102,828	112,432
DMH	-	-	403	275	-	-	237,696	194,949	214,006	273,635	692,254	739,940
DNR	61,055	72,890	-	-	-	-	113,325	95,051	35,553	48,827	168,093	194,399
DPS/MSHP	-	-	139,338	-	-	-	16,265	15,008	38,342	40,715	215,270	199,512
DOR	41,360	48,332	458,976	488,569	250,674	557,313	469,439	327,753	33,608	45,971	149,353	172,330
DSS	-	-	774,616	1,258,490	1,298,020	1,635,170	511,819	356,329	158,359	206,501	743,505	842,606
DOC	357,010	438,513	-	-	-	-	51,911	32,061	163,364	204,943	902,961	983,386
Other	-	-	-	257,094	13	20	-	260	9,010	9,996	9,859	14,409
Total	784,888	967,094	1,470,653	2,119,826	2,571,875	2,688,853	2,089,340	2,174,809	863,159	1,107,271	3,770,406	4,164,963

Rate	$ 0.1576	$ 0.1488	$ 42.69	$ 59.52	$ 150.73	$ 198.61	$51.26	$49.60	$ 40.16	$ 42.23	$ 20.28	$ 16.63
	SAN	SAN	VM	VM	Srvr Sprt	Srvr Sprt	VDI	VDI	SQL Total	SQL Total	Share PT	Share PT
Agency	FY23	FY24	FY23	FY24	FY23	FY24	FY23	FY24	FY23	FY24	FY23	FY24
SOS	-	-	-	-	-	-	-	-	-	-		
Auditor	320	313	3,170	3,360	-	-	-	-	-	-		
Treasurer	9,017	8,641	11,889	18,665	-	-	-	-	-	-		
AGO	-	-	-	-	-	-	-	-	-	-		
OA	176,636	152,345	220,349	142,399	9,680	16,683	305,697	327,311	371,184	297,033	43,431	192,543
SDC/Growth	-	126	-	-	37,714	-	-	10,229	-	218,365	-	-
AG	14,455	12,714	2,378	3,450	1,383	2,383	13,391	18,917	30,699	32,609	-	-
DCI	50,139	41,970	9,511	8,406	-	-	63,339	80,582	23,087	26,042	441	1,013
MDC	-	-	-	-	-	-	-	-	-	-	-	-
DED	11,451	10,763	8,719	6,295	8,297	14,300	21,926	26,014	25,297	26,112	2,096	2,463
DESE	28,978	18,250	37,253	39,347	6,914	11,917	26,758	57,713	192,680	210,505	10,542	10,544
HE	499	1,261	793	10,479	-	-	97,871	19,507	1,801	27,292	5,393	5,578
DHSS	88,041	84,771	76,092	68,154	27,657	47,666	233,260	283,979	179,337	187,530	51,032	69,005
MODOT	261,268	245,571	179,133	111,614	-	-	-	-	-	-	-	-
DOLIR	108,717	98,259	61,825	89,343	5,531	9,533	248,215	284,797	57,955	64,652	599	869
DMH	83,435	80,917	114,930	119,847	24,891	44,489	61,419	63,379	774,102	877,605	102,293	97,404
DNR	206,221	147,302	50,728	68,315	16,594	28,600	30,509	73,731	64,584	65,085	23,148	33,832
DPS/MSHP	19,777	13,737	19,023	16,476	12,446	19,067	19,447	12,861	45,477	47,477	17,216	18,732
DOR	189,723	136,830	252,377	209,062	17,977	28,600	98,631	132,092	1,597,492	1,642,269	64,145	84,699
DSS	804,586	773,495	110,967	71,937	153,495	260,312	1,338,855	1,063,590	155,418	158,389	333,472	513,348
DOC	148,193	149,166	40,424	41,347	110,627	230,917	55,072	80,622	30,268	31,121	-	-
Other	-	-	-	608	-	2,383	41,357	10,533	-	2,945	-	-
Total	2,201,457	1,976,434	1,199,563	1,029,103	433,206	716,850	2,655,745	2,545,858	3,549,380	3,915,032	653,808	1,030,030

Rate			$ 2.08	$ 16.57	$24.63	$25.12					$ 47.90	$ 32.22
	SSRS	SSRS	JIRA	JIRA	OnBase	OnBase	MySQL	MySQL	DB2LUW	DB2LUW	Tableau Creator Lic	Tableau Creator Lic
Agency	FY23	FY24	FY23	FY24	FY23	FY24	FY23	FY24	FY23	FY24	FY23	FY24
SOS	-	-	-	-	-	-	-	-	-	-	-	-
Auditor	-	-	-	-	-	-	-	-	-	-	-	-
Treasurer	-	-	-	-	-	-	-	-	-	-	1,150	-
AGO	-	-	-	-	-	-	-	-	-	-	575	-
OA	17,127	19,699	29,708	14,250	10,000	45,249	218,941	247,501	16,449	21,698	42,532	(5,322)
SDC/Growth	1,447	-	-	-	-	-	-	-	-	-	-	36,900
AG	-	-	651	265	940	904	-	-	-	-	14,369	86
DCI	4,567	5,253	-	-	68,141	86,915	1,996	2,228	-	-	1,724	1,718
MDC	7,993	9,193	-	-	-	-	-	-	-	-	8,047	6,831
DED	-	-	781	530	7,284	2,612	4,101	8,928	-	-	12,070	9,709
DESE	26,170	29,958	8,200	1,016	12,218	17,149	-	-	-	19,287	7,472	13,318
HE	3,425	3,940	1,562	133	6,814	13,297	-	-	48,043	62,360	-	7,303
DHSS	5,709	6,566	-	199	-	-	6,985	8,045	21,488	28,127	27,014	21,437
MODOT	10,276	11,819	-	-	-	-	-	-	-	-	2,874	4,640
DOLIR	-	-	18,352	21,828	40,415	46,455	3,992	4,456	791,900	1,133,857	22,416	12,287
DMH	27,004	30,881	-	-	32,661	40,125	8,586	3,096	-	-	28,738	11,628
DNR	43,388	49,903	12,365	14,007	7,519	14,570	2,994	3,342	532,325	674,547	10,920	9,108
DPS/MSHP	4,567	5,253	-	-	15,508	19,225	5,033	5,258	-	-	5,748	6,272
DOR	81,011	92,644	-	-	240,000	319,928	-	-	-	-	36,785	17,485
DSS	4,567	5,253	54,927	78,144	708,346	821,067	998	1,114	612,650	764,903	32,761	14,411
DOC	-	-	-	-	-	33	10,462	12,933	50,076	89,663	3,449	5,928
Other	-	-	-	-	-	-	-	-	-	-	16,668	816
Total	237,252	270,362	126,546	130,373	1,149,846	1,427,530	264,088	296,901	2,072,931	2,794,444	275,309	174,555

Rate	Allocation	Allocation	$ 15.25	$ 25.26	$ 1.36	$ 3.39	29.34	26.77		
	Tableau	Tableau	EWeb Hosting	EWeb Hosting	sFTP	sFTP	BOX	BOX	Annual	Annual
Agency	FY23	FY24	FY23	FY24	FY23	FY24	FY23	FY24	FY23 Total	FY24 Total
SOS	-	-	-	-	33	41	-	-	2,701	2,861
Auditor	-	-	-	-	2,099	2,861	-	-	8,134	9,275
Treasurer	-	-	-	-	-	-	-	-	35,290	41,051
AGO	-	-	-	-	262	244	-	-	6,814	7,642
OA	750,000	750,000	45,342	73,422	16,860	22,049	32,172	39,822	3,475,610	3,689,763
SDC/Growth	-	-	-	54,199	-	-	-	-	50,896	996,803
AG	-	-	6,673	12,765	3,182	3,919	4,596	5,747	158,636	169,676
DCI	-	-	3,080	7,544	2,919	3,069	28,917	37,683	375,658	427,508
MDC	-	-	-	-	197	190	-	-	21,092	21,302
DED	-	-	171	2,560	4,527	5,139	7,277	12,671	176,538	188,545
DESE	-	-	3,080	3,705	2,854	3,444	7,852	15,562	665,937	778,993
HE	-	-	-	505	1,837	3,960	8,426	13,956	277,903	326,550
DHSS	-	-	1,027	2,122	8,201	183,024	81,963	86,780	1,715,084	1,986,271
MODOT	-	-	-	-	4,560	5,523	-	-	717,527	672,553
DOLIR	-	-	1,540	2,122	3,641	4,628	26,236	25,506	2,937,370	2,862,593
DMH	-	-	17,624	31,356	1,410	1,605	15,320	13,629	2,644,095	2,815,179
DNR	-	-	4,449	8,588	14,302	16,647	16,469	19,596	1,471,227	1,706,349
DPS/MSHP	-	-	9,068	15,931	3,116	3,354	4,979	10,422	1,019,995	692,823
DOR	-	-	34,221	61,096	28,374	51,361	2,681	4,319	6,345,910	6,723,199
DSS	-	-	1,369	3,031	12,235	14,514	26,810	20,473	16,845,261	17,317,009
DOC	-	-	1,198	3,806	2,723	4,027	7,469	14,027	1,988,410	2,379,202
Other	-	-	-	135	590	1,193	-	-	183,671	835,016
Total	750,000	750,000	128,841	282,886	113,922	330,792	271,167	320,194	41,123,759	44,650,163