

State Data Center Cost Allocation Plan Fiscal Year 2025



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.

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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.

Budget Summary

Expenses	FY24	FY25
Personal Services	8,834,205.00	9,180,079
Fringe Benefits	4,903,654.00	5,049,041
Expense and Equipment	29,555,335.00	32,597,896
Total Budgeted Costs	43,293,194.00	46,827,016.33
Cost Adjustment		
Capital Cost	(330,200.00)	(25,019.00)
Depreciation	859,980.67	733,695.06
Total	529,780.67	708,676.06
Grand Total	43,822,974.67	47,535,692.39

Expenses and Equipment

Code	Description	FY24 Budget	FY25 Budget
103	CPU	\$ 950,000.00	\$ 946,000.00
106	DASD Growth	\$ 315,000.00	\$ 349,000.00
108	Disaster Recovery CPU (Springfield Site)	\$ -	\$ 894,000.00
113	SAN DASD	\$ 1,076,462.00	\$ 2,111,000.00
119	VM Hardware Purchase Lease	\$ 628,575.00	\$ 365,000.00
120	DR Print Services	\$ 100,000.00	\$ 100,000.00
205	DASD maintenance	\$ 141,000.00	\$ -
206	Server/Storage Maintenance	\$ 500,000.00	\$ 305,000.00
222	Print Burster/Trimmer/Stacker	\$ 100,000.00	\$ 360,000.00
223	Print Usage	\$ 133,000.00	\$ 200,000.00
224	Printer-Impact	\$ 2,000.00	\$ -
225	Printer-Laser	\$ 80,000.00	\$ 100,000.00
229	Remote Server Maintenance	\$ 500.00	\$ 300.00
231	SAN Sever and Storage Maintenance	\$ 222,000.00	\$ 35,000.00
237	z/OS Virtual Tape maintenance	\$ 107,500.00	\$ 80,300.00
238	VM Server and Storage Maintenance	\$ 45,500.00	\$ 53,000.00
239	Batteries/UPS Maintenance	\$ 200,000.00	\$ 200,000.00
240	Generator Maintenance	\$ 50,000.00	\$ 80,000.00
243	VDI Server Maintenance	\$ -	\$ 800.00
244	VDI Storage Maintenance	\$ 35,000.00	\$ -
245	DistSys SVC Hardware Maint	\$ 8,500.00	\$ -
246	QCX E138 MICR Verifier	\$ 2,000.00	\$ 2,000.00
247	Print VC40K, Supplies and Equipment	\$ -	\$ 150,000.00
248	Print VC60K, Supplies and Equipment	\$ -	\$ 350,000.00
249	Print P8310, Supplies and Equipment	\$ -	\$ 30,000.00
250	Proofpoint secure mail relay	\$ -	\$ 110,000.00
251	Windows OS Extended Support	\$ -	\$ 26,000.00
303	Softek TDMF Replicator for zOS	\$ 75,900.00	\$ 56,000.00
305	BMC Mainview	\$ 140,000.00	\$ 150,000.00
306	CICS Transaction Gateway	\$ 151,000.00	\$ 47,500.00
307	CICS/TS V5	\$ 856,175.00	\$ 981,000.00
308	COBOL for MVS	\$ 110,000.00	\$ 130,000.00
309	Mackinney Software JQP/VVP	\$ 15,500.00	\$ 15,500.00
311	AFP Toolbox (Toolkit)	\$ 3,450.00	\$ 3,540.00
313	DSF/DSS/HSM	\$ 101,000.00	\$ 120,000.00
321	Interactive Output Facility (IOF)	\$ 40,000.00	\$ 6,825.00
324	WebSphere MQ	\$ -	\$ 225,000.00
328	OGL	\$ 6,900.00	\$ 9,200.00
329	OS/390	\$ 1,502,750.00	\$ 1,740,000.00
330	Page Print Format Aid/370 V1 PPFA	\$ 4,600.00	\$ 6,500.00
331	Enterprise PL/1 Alternate Function	\$ 102,250.00	\$ 60,000.00

Expenses and Equipment

332	PSF	\$	46,000.00	\$	60,500.00
333	SDF II	\$	32,850.00	\$	46,000.00
338	DB2 for Z/OS V12	\$	785,544.00	\$	855,096.00
340	Microsoft Server Operating System Subsc.	\$	3,000.00	\$	21,000.00
341	UDB - DB2 Utilities Suite	\$	49,072.00	\$	49,072.00
343	Antivirus for Exchange	\$	170,000.00	\$	20,000.00
344	Vmware vCloud Enterprise Suite	\$	-	\$	1,100,000.00
345	SiteScan	\$	5,000.00	\$	5,000.00
349	Lansweeper	\$	43,000.00	\$	40,000.00
351	Kiwi Syslog	\$	400.00	\$	-
356	Orion Polling Engines	\$	100,000.00	\$	110,000.00
360	IBM SKLM encryption licenses	\$	5,000.00	\$	5,000.00
361	Logging Maintenance	\$	390,000.00	\$	407,000.00
364	Solarwinds WPM	\$	5,500.00	\$	5,500.00
365	Enhanced ACIF	\$	5,175.00	\$	5,200.00
366	Splunk Professional Services	\$	144,000.00	\$	40,000.00
404	CA Interest W/XA-ESA-Batch	\$	56,900.00	\$	57,028.00
405	CA Interest W/XA-ESA-CICS	\$	127,000.00	\$	127,200.00
406	CA Librarian	\$	193,950.00	\$	194,540.00
408	CA Restart/Recover (CA11)	\$	3,776.00	\$	3,756.00
410	CA Scheduling Package (CA7)	\$	206,730.00	\$	207,356.00
411	CA TMS (CA1)	\$	230,783.00	\$	229,000.00
412	CA UNIPAK	\$	1,662,572.00	\$	1,457,723.00
414	Omegamon for CICS	\$	75,900.00	\$	56,000.00
415	CL/Supersession for z/OS	\$	83,000.00	\$	61,500.00
416	IBM Tivoli Omegamon XE DB2 V4	\$	183,787.00	\$	120,000.00
417	IBM Tivoli Omegamon XE z/OS V2	\$	151,500.00	\$	112,000.00
419	DB2 Connect	\$	182,450.00	\$	153,395.00
420	SEA JCL Plus	\$	22,600.00	\$	23,704.00
421	Document Management Systems (MOBIUS)	\$	210,000.00	\$	502,000.00
422	Dumpmaster MVS	\$	138,000.00	\$	141,800.00
424	Precisely Code-1 and Zip+4	\$	29,700.00	\$	34,000.00
427	Red Hat Enterprise/Network Satellite Maint	\$	95,000.00	\$	95,000.00
428	Tivoli WAS/ND - lease ELO	\$	492,748.00	\$	582,650.88
429	Insync MVS	\$	115,500.00	\$	118,900.00
431	Tic Toc	\$	11,600.00	\$	14,000.00
434	Connect:Direct	\$	35,000.00	\$	25,000.00
435	Merrill Consultants MXG	\$	2,500.00	\$	2,500.00
436	MVS Quick Reference	\$	42,525.00	\$	40,872.00
439	SFTP Software Maintenance	\$	98,702.00	\$	86,700.00
440	Platinum DB2 Tools	\$	667,752.00	\$	667,750.00
442	MicroSoft Team Foundation Subscription	\$	-	\$	2,565.00
443	SAS Base	\$	130,100.00	\$	139,900.00
444	SAS/STAT	\$	90,700.00	\$	98,816.00
445	SAS/ACCESS	\$	8,720.00	\$	93,348.00
446	CA Copycat Utility (formerly listed as Rocket)	\$	30,000.00	\$	30,000.00
447	SAS/ETS	\$	90,700.00	\$	98,816.00

Expenses and Equipment

451	SA Licenses for SQL	\$	813,531.00	\$	706,243.00
452	Precisely SyncSort (MFX for z/OS)	\$	38,000.00	\$	38,000.00
453	SynRecovery software	\$	1,000.00	\$	1,100.00
456	Distributed Print Software Maintenance	\$	37,608.00	\$	27,609.00
458	DistSys SSRS Software Maintenance	\$	30,870.00	\$	-
460	Tivoli Storage Management	\$	185,000.00	\$	76,000.00
463	Vanguard Administration	\$	62,892.00	\$	64,800.00
466	CVS/SVC/GIT Maint	\$	-	\$	10.00
468	MySQL Subscription	\$	120,750.00	\$	79,800.00
469	VMWare Software Maintenance	\$	611,651.00	\$	579,000.00
472	SDI TN3270 Emulation	\$	35,500.00	\$	38,000.00
473	DB2 Maintenance(SHI)	\$	446,418.00	\$	977,040.00
474	Software - Maintenance Renewals AD	\$	177,000.00	\$	113,500.00
477	SAN Software	\$	870,000.00	\$	80,000.00
478	Vranger Software Maintenance	\$	28,000.00	\$	-
481	Software -Subscription -ShareGate (w/ lic increase)	\$	11,000.00	\$	22,000.00
482	Software -Maintenance -MS SelectPlus	\$	15,000.00	\$	16,500.00
483	JIRA Software Maintenance plus plugin	\$	71,136.00	\$	80,500.00
487	Solimar iConvert	\$	51,600.00	\$	51,600.00
489	uDeploy software Maintenance	\$	132,444.00	\$	115,500.00
490	Rocket SW Mainstar Fast Audit,DASD,Catalog Recovery	\$	36,000.00	\$	37,600.00
491	ITSM Tool Maintenance - cherwell	\$	130,000.00	\$	130,000.00
494	Tidal Maintenance	\$	52,784.00	\$	102,862.00
498	Enterprise OnBase Licenses	\$	239,000.00	\$	263,000.00
499	AppViewX Software Maintenance	\$	160,375.00	\$	111,000.00
503	Deduplication/Replct Purchase-DistBU-Rcvry	\$	570,000.00	\$	570,000.00
510	Servers - AD	\$	48,000.00	\$	48,000.00
514	VM Hardware Purchase	\$	500,000.00	\$	300,000.00
516	VDI End-Point Device	\$	-	\$	185,000.00
517	VDI Server and Upgrades	\$	684,000.00	\$	200,000.00
518	VDI Storage and Upgrades	\$	210,000.00	\$	-
519	DistSys SAN Hardware Upgrade	\$	716,000.00	\$	500,000.00
532	NOC - Desktop Computer Equipment	\$	-	\$	3,500.00
533	zOS Data Backup Purchase	\$	166,000.00	\$	98,000.00
536	Security Review Audit	\$	30,000.00	\$	30,000.00
537	Plesk License Purchase	\$	-	\$	34,400.00
538	Box software subscription For Enterprise	\$	411,655.00	\$	429,550.00
539	OnBase Adminstration and Utility Software	\$	10,700.00	\$	12,000.00
540	Print Room Changes	\$	-	\$	50,000.00
601	Enterprise License for SQL (New)	\$	19,320.00	\$	-
606	TSM Software Purchase (SKLM)	\$	50,000.00	\$	-
607	VM Software Purchase	\$	560,000.00	\$	391,000.00
618	Microsoft System Center Suite - SCOM	\$	43,000.00	\$	30,000.00
620	Foglight license purchase/maintenance	\$	44,000.00	\$	44,000.00
622	New Enterprise OnBase Modules	\$	15,000.00	\$	9,000.00
633	Exchange Server License Purchase	\$	60,000.00	\$	50,000.00
634	Enterprise Vault Renewal	\$	345,000.00	\$	450,000.00

Expenses and Equipment

635	Proofpoint Mail Relay Software (90% total cost)	\$	500,000.00	\$	650,000.00
636	Quadrotech Flightdeck PST software	\$	193,700.00	\$	-
640	SQL Software	\$	492,576.00	\$	138,600.00
641	MySQL Software encryption	\$	36,864.00	\$	-
648	Cert Costs	\$	560.00	\$	-
657	Software Delivery Tool (Big Fix)	\$	109,000.00	\$	31,260.00
660	SharePoint Server Licenses	\$	-	\$	28,000.00
661	Creator license	\$	298,200.00	\$	2,500,000.00
704	Paper	\$	700,500.00	\$	600,000.00
706	Printer Supplies	\$	200,000.00	\$	400,000.00
802	MS Premier Support and other Support	\$	473,725.00	\$	-
811	Office Supplies, Equipment and Maintenance	\$	30,000.00	\$	-
813	Electrical Distribution, Maintenance	\$	275,000.00	\$	275,000.00
816	Racks, Cabinets, Furniture & Building Changes	\$	75,000.00	\$	110,000.00
818	S390 SoftwarExcel	\$	138,000.00	\$	175,000.00
820	Subscriptions & Publications	\$	-	\$	1,000.00
821	Telephone Service and Equipment	\$	85,000.00	\$	85,000.00
829	Shredding	\$	2,000.00	\$	3,000.00
830	SAN/NAS Support Line	\$	14,000.00	\$	5,000.00
831	Disaster Recovery Rental (Springnet)	\$	500,000.00	\$	500,000.00
832	Disaster Recovery Electric (Springnet)	\$	120,000.00	\$	120,000.00
835	Exchange Contractor Services	\$	75,000.00	\$	15,000.00
836	Exchange Training/Travel/Tools for Staff	\$	3,000.00	\$	3,000.00
837	MovIT Transfer Admin Training	\$	36,968.00	\$	4,000.00
838	SAN Training/Travel/Tools for Staff	\$	8,000.00	\$	10,000.00
839	SQL Training /Travel/Tools for Staff	\$	25,000.00	\$	19,000.00
840	SharePoint Training /Travel/Tools for Staff	\$	24,000.00	\$	30,000.00
841	VM Training/Travel/Tools for Staff	\$	20,000.00	\$	30,000.00
842	TSM Training/Travel/Tools for Staff	\$	10,000.00	\$	25,000.00
845	WAS Training/Travel/Tools for Staff	\$	18,150.00	\$	14,536.12
847	ADFS Certificates	\$	-	\$	3,065.00
848	MobaXterm, MiniTab (software tools)	\$	7,000.00	\$	7,700.00
853	SSRS Training /Travel/Tools for Staff	\$	15,178.00	\$	-
859	CPU Training/Travel/Tools for Staff	\$	20,000.00	\$	20,000.00
860	CICS Training/Travel/Tools for Staff	\$	10,000.00	\$	10,000.00
863	Watson & Walker Publication	\$	1,700.00	\$	850.00
869	Web Utility Training / Travel / Tools	\$	65,680.00	\$	291,000.00
872	NOC Training /Travel/Tools	\$	69,000.00	\$	51,000.00
873	Staff Training	\$	41,300.00	\$	40,000.00
874	Staff Training	\$	77,350.00	\$	35,223.00
876	Proofpoint/support srvc/hardware replacement	\$	11,000.00	\$	-
880	JIRA Training/Travel/Tools for Staff	\$	6,414.00	\$	6,500.00
881	MySQL Training /Travel/Tools for Staff	\$	17,000.00	\$	10,000.00
882	DB2 LUW Training/Travel/Tools	\$	26,051.00	\$	20,000.00
883	Tableau Training/Tools/travel	\$	19,101.00	\$	43,820.00
884	ITSM Training	\$	10,000.00	\$	38,000.00
885	Neodynamic Barcode	\$	2,988.00	\$	1,976.00

Expenses and Equipment

886 Priority Support	\$	4,940.00	\$	4,940.00
887 BOX Training/Travel/Tools for Staff	\$	7,982.00	\$	5,000.00
888 CPU Professional Services	\$	40,000.00	\$	40,000.00
889 Training/Travel/Tools for Staff	\$	6,000.00	\$	6,000.00
JITT zOS IDMS Training/Travel/Tools	\$	78,500.00	\$	96,138.00
JZTT zOS DB2 Training/Travel/Tools	\$	279,600.00	\$	104,000.00
M07 DistSys SSL Certificates	\$	3,500.00	\$	3,500.00
M08 Plesk Maintenance	\$	7,255.00	\$	-
M09 Server Core - Internal	\$	254,621.00	\$	-
M19 Software - Kwizcom (DataSheet View)	\$	1,400.00	\$	1,600.00
M20 CICS Performance Analyzer	\$	31,000.00	\$	26,000.00
M21 InfoPath Forms stop gap	\$	75,000.00	\$	55,000.00
M22 ShareGate plug-in for Forms bridge product	\$	-	\$	12,421.00
Total	\$	29,555,335.00	\$	32,597,896.00

Yearly Rate Summary

#	Category Description	FY25	FY24	FY23	FY22
1	Laser Feet Printed	0	0	-	-
1	Lines (Impact) Printed/1000	0	0	-	-
1	Laser Feet Printed/Duplex	0	0	-	-
1	Simplex Rate (by page)	0.0751	0.06	0	0
1	Duplex Rate (by page)	0.0601	0.05	0.05	0.05
2	CPU Service Units/1000	0.0079	0.0046	0.0046	0.0053
3	CICS Transactions	0.0012	0.0009	0.0009	0.0012
4	zOS Enterprise Data Backup/GB Day	0.0036	0.0346	0.0035	0.0049
5	AD User ID per Month	1.67	1.51	1.51	1.19
6	Exchange Mailbox per Month	5.80	7.69	7.47	6.79
7	zOS Data Storage/GB Day	0.0580	0.05514	0.055	0.067
8	zOS IDMS Run Units	0.0084	0.0084	0.0081	0.006
9	zOS DB2 Service Units/1000	0.0034	0.0034	0.0034	0.0031
10	VM per Image per Month	74.79	97.74	97.74	66.05
11	SAN per 1GB per Month	0.1272	0.151	0.151	0.1664
12	DistSys Backup-Recovery/GB per Month	0.05	0.05	0.05	0.062
14	WAS per JVM Heap Size	82.51	63.56	63.56	41.03
15	SQL per Base Unit per Month	43.20	42.33	42.03	37.53
15	SQL Memory per GB per Month	4.23	4.46	4.43	4.12
15	SQL Overage per GB per Month	0.47	0.52	0.52	0.52
15	SQL License per License per Month	148.28	143.2	142.17	132.32
16	Server Support/Month	225.18	201.37	201.37	115.24
17	VDI per Virtual Desktop per Month	20.14	33.59	33.59	27.86
17	RDP Pool Users VDI per Month	5.04	13.77	13.78	7.72
18	sFTP Account per Month	3.55	3.13	3.13	2.73
19	SharePoint/GB/Month	12.92	17.34	17.34	16.93
15	SSRS per Enterprise Instance	0.00	91.74	94.59	95.13
15	SSRS Per Dedicated Instance	0.00	378.57	309.61	451
20	JIRA	15.48	18.22	18.22	10.85
21	OnBase ECM	23.79	24.7	24.75	19.58
22	Web Utility	32.56	20.87	17.7	11.32
23	MySQL Base	129.27	131.87	117.18	83.16
23	MySQL Overage	1.94	1.83	1.63	0.79
24	Web Hosting	38.32	25.32	24.64	14.26
26	Tableau Enterprise-Base/agency/month	46.07	32.22	32.22	47.9
26	Tableau Enterprise -Internal/project/mo	Allocation	Allocation	Allocation	Allocation
27	DB2LUW Base	443.25	376.35	376.35	274.15
27	DB2LUW Memory	0	0	0	6.59
27	DB2LUW Overage	3.62	3.39	3.39	3.02
27	DB2LUW License	0	0	0	745.21
28	BOX	24.08	23.58	23.58	15.96

Category 1 Lines/Feet Printed

		<u>FY24 Budget</u>	<u>FY25 Budget</u>
Estimated Utilization:			
Utilization		50,888,686	54,991,627
Duplex	80%	36,448,191	44,547,717
Simplex		14,440,495	10,443,910

<u>Item #</u>	<u>Description</u>	<u>FY24 Budget</u>	<u>FY25 Budget</u>
	Personnel	\$ 503,640.00	\$ 487,245.00
	Fringe Benefits	\$ 277,002.00	\$ 267,985.00
	Total Personnel	\$ 780,642.00	\$ 755,230.00
120	DR Print Services	\$ 100,000.00	\$ 100,000.00
222	Print Burster/Trimmer/Stacker	\$ 100,000.00	\$ 360,000.00
247	Print VC40K, Supplies and Equipment	\$ -	\$ 150,000.00
248	Print VC60K, Supplies and Equipment	\$ -	\$ 350,000.00
249	Print P8310, Supplies and Equipment	\$ -	\$ 30,000.00
223	Print Usage	\$ 133,000.00	\$ 200,000.00
224	Printer-Impact	\$ 2,000.00	\$ -
225	Printer-Laser	\$ 80,000.00	\$ 100,000.00
246	QCX E138 MICR Verifier	\$ 2,000.00	\$ 2,000.00
311	AFP Toolbox (Toolkit)	\$ 3,450.00	\$ 3,540.00
328	OGL	\$ 6,900.00	\$ 9,200.00
330	Page Print Format Aid/370 V1 PPFA	\$ 4,600.00	\$ 6,500.00
332	PSF	\$ 46,000.00	\$ 60,500.00
365	Enhanced ACIF	\$ 5,175.00	\$ 5,200.00
456	Distributed Print Software Maintenance	\$ 37,608.39	\$ 27,609.00
520	z/OS InfoPrint Hardware Purchase	\$ -	\$ -
540	Print Room Changes	\$ -	\$ 50,000.00
704	Paper	\$ 700,500.00	\$ 600,000.00
706	Printer Supplies	\$ 200,000.00	\$ 400,000.00
829	Shredding	\$ 2,000.00	\$ 3,000.00
	Total E&E	\$ 1,423,233.39	\$ 2,457,549.00
	Total Personnel, Expense & Equipment:	\$ 2,203,875.39	\$ 3,212,779.00
	Indirect Costs Allocated	\$ 193,459.00	\$ 258,772.00
	NOC	\$ 210,007.00	\$ 202,296.31
Cost Adjustment			
	Print Capital Cost	\$ -	\$ (9,296.00)
	Print Depreciation	\$ -	\$ 446,041.00
		\$ -	\$ 436,745.00

Category 1 Lines/Feet Printed Cont.

Job Costs:

AD	\$	-	\$	19.00
VM	\$	11,804.00	\$	12,804.00
SAN	\$	3,072.00	\$	3,600.00
SQL	\$	1,191.00	\$	-
Dist Bu Rec	\$	-	\$	1,150.00
Total Job Costs:		\$	16,067.00	\$ 17,554.00

Total Cost:	\$	2,623,408.39	\$	4,128,146.31
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Rate Calculation Impact:

Simplex Rate	\$	0.06	\$	0.0751
Duplex Rate	\$	0.05	\$	0.0601

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

Category 2 CPU Service Units

		<u>FY24 Budget</u>	<u>FY25 Budget</u>
Estimated Utilization:		1,376,148,868,080	1,072,339,165,152
<u>Item #</u>	<u>Description</u>	<u>FY24 Budget</u>	<u>FY25 Budget</u>
	Personnel	530,471	521,188
	Fringe Benefits	\$ 291,759.00	\$ 286,654.00
	Total Personnel	\$ 822,230.00	\$ 807,842.00
103	CPU	\$ 950,000.00	\$ 946,000.00
108	Disaster Recovery CPU (Springfield Site)	\$ -	\$ 894,000.00
305	BMC Mainview	\$ 140,000.00	\$ 150,000.00
308	COBOL for MVS	\$ 110,000.00	\$ 130,000.00
309	Mackinney Software	\$ 15,500.00	\$ 15,500.00
321	Interactive Output Facility (IOF)	\$ 40,000.00	\$ 6,825.00
329	OS/390	\$ 1,502,750.00	\$ 1,740,000.00
331	Enterprise PL/1 Alternate Function	\$ 102,250.00	\$ 60,000.00
404	CA Interest W/XA-ESA-Batch	\$ 56,900.00	\$ 57,028.00
406	CA Librarian	\$ 193,950.00	\$ 194,540.00
408	CA Restart/Recover (CA11)	\$ 3,776.00	\$ 3,756.00
410	CA Scheduling Package (CA7)	\$ 206,730.00	\$ 207,356.00
414	Omegamon for CICS	\$ 75,900.00	\$ 56,000.00
415	CL/Supersession for z/OS	\$ 83,000.00	\$ 61,500.00
417	IBM Tivoli Omegamon XE z/OS V2	\$ 151,500.00	\$ 112,000.00
420	SEA JCL Plus	\$ 22,600.00	\$ 23,704.00
421	Document Management Systems (MOBIUS)	\$ 210,000.00	\$ 502,000.00
422	Dumpmaster MVS	\$ 138,000.00	\$ 141,800.00
424	Group 1 Software Zip+4	\$ 29,700.00	\$ 34,000.00
429	Insync MVS	\$ 115,500.00	\$ 118,900.00
431	Tic Toc	\$ 11,600.00	\$ 14,000.00
434	Connect:Direct	\$ 35,000.00	\$ 25,000.00
435	Merrill Consultants MXG	\$ 2,500.00	\$ 2,500.00
436	MVS Quick Reference	\$ 42,525.00	\$ 40,872.00
443	SAS Base	\$ 130,100.00	\$ 139,900.00
447	SAS/ETS	\$ 90,700.00	\$ 98,816.00
444	SAS/STAT	\$ 90,700.00	\$ 98,816.00
445	SAS/ACCESS	\$ 87,200.00	\$ 93,348.00
452	SI SYNC/SORT	\$ 38,000.00	\$ 38,000.00
463	Vanguard Administration	\$ 62,892.00	\$ 64,800.00
472	SDI TN3270 Emulation	\$ 35,500.00	\$ 38,000.00
487	Solimar	\$ 51,600.00	\$ 51,600.00
536	Security Review Audit	\$ 30,000.00	\$ 30,000.00
818	S390 SoftwarExcel	\$ 138,000.00	\$ 175,000.00
859	CPU Training\Travel\Tools for Staff	\$ 20,000.00	\$ 20,000.00
888	CPU Professional Services	\$ 40,000.00	\$ 40,000.00
863	Watson & Walker Publication	\$ 1,700.00	\$ 850.00
	Total E&E	\$ 5,056,073.00	\$ 6,426,411.00
	Total Personnel, Expense & Equipment:	\$ 5,878,303.00	\$ 7,234,253.00
	Indirect Costs Allocated	\$ 542,566.00	\$ 395,513.00
	NOC	\$ 588,973.00	\$ 545,919.00

Category 2 CPU Service Units Cont.

Cost Adjustment

CPU Capital Cost	\$	-	\$	-
CPU Depreciation	\$	-	\$	2,100.00
	\$	-	\$	2,100.00

Job Costs:

AD	\$	10,000	\$	400
Dist BU Rec	\$	8,000	\$	500
Exchange	\$	1,000	\$	1,100
Print	\$	500	\$	500
Server Support	\$	2,800	\$	2,400
SAN	\$	18,000	\$	1,000
SQL	\$	1,500	\$	2,000
VDI	\$	2,000	\$	2,000
VM	\$	21,000	\$	9,000
zOS Data BU	\$	180,000	\$	160,000
zOS Data Storage	\$	150,000	\$	155,000
Total Job Costs:	\$	394,800	\$	333,900
Total Cost:	\$	7,404,642	\$	8,511,685

Rate Calculation Impact:

per 1,000 Service Units	\$	0.0046	\$	0.0079
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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

		<u>FY24 Budget</u>	<u>FY25 Budget</u>
Estimated Utilization:		1,566,151,164	1,628,789,746
<u>Item #</u>	<u>Description</u>	<u>FY24 Budget</u>	<u>FY25 Budget</u>
	Personnel	\$ 157,456.00	\$ 145,209.00
	Fringe Benefits	\$ 86,601.00	\$ 79,865.00
	Total Personnel	\$ 244,057.00	\$ 225,074.00
306	CICS Transaction Gateway	\$ 151,000.00	\$ 47,500.00
307	CICS/TS V5	\$ 856,175.00	\$ 981,000.00
324	WebSphere MQ for Z/OS	\$ -	\$ 225,000.00
333	SDF II	\$ 32,850.00	\$ 46,000.00
405	CA Interest W/XA-ESA-CICS	\$ 127,000.00	\$ 127,200.00
M20	CICS Performance Analyzer	\$ 31,000.00	\$ 26,000.00
860	CICS Training\Travel\Tools for Staff	\$ 10,000.00	\$ 10,000.00
	Total E&E	\$ 1,208,025.00	\$ 1,462,700.00
Total Personnel, Expense & Equipment:		\$ 1,452,082.00	\$ 1,687,774.00
Indirect Costs Allocated		\$ 127,522.00	\$ 92,274.00
NOC		\$ 138,429.00	\$ 125,204.00
Job Costs:			
	Lines Printed	\$ -	\$ -
	zOS Data BU	\$ 7,000.00	\$ 5,500.00
	zOS Data Storage	\$ 6,900.00	\$ 4,500.00
	zOS DB2	\$ 14,000.00	\$ 21,000.00
	zOS IDMS	\$ 3,000.00	\$ 4,500.00
	AD & Exchange Mail Boxes	\$ -	\$ -
	Total Job Costs:	\$ 30,900.00	\$ 35,500.00
Total Cost:		\$ 1,748,933.00	\$ 1,940,752.00
Rate Calculation Impact:			
Total Costs/Utilization	per Transaction	\$ 0.0009	\$ 0.0012

*CICS Transaction: A CICS Transaction is a request made at a workstation for a display or storage of information from a mainframe application.

Category 4
zOS Enterprise Data Backup

		<u>FY24 Budget</u>	<u>FY25 Budget</u>
Estimated Utilization:		199,000,000	192,000,000
<u>Item #</u>	<u>Description</u>	<u>FY24 Budget</u>	<u>FY25 Budget</u>
	Technical Support Personnel	57,226	38,769
	Fringe Benefits	\$ 31,474.00	\$ 21,323.00
	Total Personnel	\$ 88,700.00	\$ 60,092.00
233	GTX Qualifier Maintenance	\$ -	\$ -
237	z/OS Virtual Tape	\$ 107,500.00	\$ 80,300.00
411	CA TMS (CA1)	\$ 230,783.00	\$ 229,000.00
446	Rocket Software	\$ 30,000.00	\$ 30,000.00
471	Catalog Recovery Software - zOS Enterprise D	\$ -	\$ -
533	zOS Data Backup Purchase	\$ 166,000.00	\$ 98,000.00
	Total E&E	\$ 534,283.00	\$ 437,300.00
Total Personnel, Expense & Equipment:		\$ 631,183.00	\$ 497,392.00
Indirect Costs Allocated		\$ 59,406.00	\$ 62,377.00
NOC		\$ 64,487.00	\$ 70,000.00
Cost Adjustment			
	zOS Enterprise Data Backup Capital Cost	\$ -	\$ -
	zOS Enterprise Data Backup Depreciation	\$ 8,200.00	\$ 7,486.00
		\$ 8,200.00	\$ 7,486.00
Job Costs:			
	AD	\$ 100.00	\$ 100.00
	Dist BU Rec	\$ -	\$ -
	Mainframe	\$ 56,800.00	\$ 57,000.00
	SQL	\$ -	\$ -
	VDI	\$ -	\$ -
	VM	\$ -	\$ -
	zOS Data Storage	\$ -	\$ 1,000.00
	Total Job Costs:	\$ 56,900.00	\$ 58,100.00
Total Cost:		\$ 811,976.00	\$ 695,355.00
<u>Rate Calculation Impact:</u>			
Total Costs/Utilization per GB per day		\$ 0.00346	\$ 0.00362

***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 5 Active Directory

		FY24 Budget	FY25 Budget
Estimated Utilization:			
	AD Mailboxes	807,052	847,000
Item #	Description	FY24 Budget	FY25 Budget
	Personnel	407,473	516,823
	Fringe Benefits	\$ 224,109.91	\$ 284,253.00
	Total Personnel	\$ 631,582.47	\$ 801,076.00
M07	DistSys SSL Certificates	\$ 3,500.00	\$ 3,500.00
474	Software - Maintenance Renewals AD/Exchange	\$ 177,000.00	\$ 113,500.00
510	Servers - AD/Exchange	\$ 48,000.00	\$ 48,000.00
835	AD & Exchange Contractor Services	\$ 15,000.00	\$ 15,000.00
889	Training/Travel/Tools for Staff	\$ 6,000.00	\$ 6,000.00
	Total E&E	\$ 249,500.00	\$ 186,000.00
	Total Personnel, Expense & Equipment:	\$ 881,082.47	\$ 987,076.00
	Indirect Costs Allocated	\$ 91,409.00	\$ 91,400.00
	NOC	\$ 99,227.00	\$ 99,300.00
Cost Adjustment			
	AD Capital Cost AD	\$ -	\$ -
	Depreciation	\$ -	\$ 370.00
		\$ -	\$ 370.00
Job Costs:			
	Dist BU Rec	\$ 50,000.00	\$ 50,000.00
	Srvr Spprt	\$ 14,500.00	\$ 20,000.00
	Remote Server Support	\$ 20,000.00	\$ 26,000.00
	Exchange	\$ 200.00	\$ 2,300.00
	VDI	\$ 4,500.00	\$ 6,870.00
	SQL	\$ 16,000.00	\$ 16,000.00
	VM	\$ 65,000.00	\$ 92,000.00
	MainFrame	\$ 2,900.00	\$ 2,700.00
	AD	\$ 6,000.00	\$ 19,000.00
	Splunk	\$ 507.00	\$ 2,500.00
	Total Job Costs:	\$ 179,607.00	\$ 237,370.00
	Total Collectable Cost:	\$ 1,251,325.47	\$ 1,415,516.00
Rate Calculation Original:			
		\$ 1.51	\$ 1.67

***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 6

Exchange

		<u>FY24 Budget</u>	<u>FY25 Budget</u>
Estimated Utilization:		542,088	603,744
<u>Item #</u>	<u>Description</u>	<u>FY24 Budget</u>	<u>FY25 Budget</u>
	Personnel	376,101	388,139
	Fringe Benefits	\$ 206,856.00	\$ 213,476.00
	Total Personnel	\$ 582,957.00	\$ 601,615.00
343	Antivirus for Exchange	\$ 170,000.00	\$ 20,000.00
633	Exchange Server License Purchase	\$ 60,000.00	\$ 50,000.00
634	Enterprise Vault Renewal	\$ 345,000.00	\$ 450,000.00
635	*Proofpoint Mail Relay Software (90% of t	\$ 500,000.00	\$ 650,000.00
636	Quadrotech Flightdeck PST software	\$ 193,700.00	\$ -
250	Proofpoint secure mail relay	\$ -	\$ 110,000.00
251	Windows OS Extended Support	\$ -	\$ 26,000.00
835	AD & Exchange Contractor Services	\$ -	\$ -
836	AD & Exchange Training\Travel\Tools for	\$ 3,000.00	\$ 3,000.00
876	Proofpoint consulting/support services	\$ 11,000.00	\$ -
	Total E&E	\$ 1,282,700.00	\$ 1,309,000.00
Total Personnel, Expense & Equipment		\$ 1,865,657.00	\$ 1,910,615.00
Indirect Costs Allocated		\$ 299,072.00	\$ 104,458.00
NOC		\$ 286,242.00	\$ 181,762.00
Cost Adjustment:			
	Exchange Capital Cost	\$ -	\$ -
	Exchange Depreciation	\$ -	\$ 71.00
		\$ -	\$ 71.00
Job Costs:			
	Dist BU Rec	\$ 451,350.00	\$ 358,000.00
	SAN	\$ 808,200.00	\$ 672,000.00
	VDI	\$ 5,000.00	\$ 1,301.00
	SQL	\$ 122,000.00	\$ 107,000.00
	VM	\$ 215,500.00	\$ 156,000.00
	AD	\$ 6,000.00	\$ 7,500.00
	Total Job Costs:	\$ 1,608,050.00	\$ 1,301,801.00
Total Collectable Cost:		\$ 4,059,021.00	\$ 3,498,707.00
Rate Calculation Original:			
20% Total Costs/Utilization(AD)/Year		\$ 7.47	\$ 5.80

*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 7

zOS Data Storage

		<u>FY24 Budget</u>	<u>FY25 Budget</u>
Estimated Utilization:		14,120,000	13,400,000
<u>Item #</u>	<u>Description</u>	<u>FY24 Budget</u>	<u>FY24 Budget</u>
	Personnel	\$ 40,975.00	\$ 67,770.00
	Fringe Benefits	\$ 22,536.00	\$ 37,273.00
	Total Personnel	\$ 63,511.00	\$ 105,043.00
106	DASD Growth	\$ 315,000.00	\$ 349,000.00
205	DASD maintenance	\$ 141,000.00	\$ -
303	Softtek TDMF Replicator for zOS	\$ 75,900.00	\$ 56,000.00
313	DSF/DSS/HSM	\$ 101,000.00	\$ 120,000.00
360	IBM SKLM encryption licenses	\$ 5,000.00	\$ 5,000.00
490	Rocket software Fast Audit & Catalog audit	\$ 36,000.00	\$ 37,600.00
	Total E&E	\$ 673,900.00	\$ 567,600.00
Total Personnel, Expense & Equipment:		\$ 778,598.00	\$ 672,643.00
Indirect Costs Allocated		\$ -	\$ 28,000.00
NOC		\$ -	\$ 76,000.00
Cost Adjustment			
	zOS Data Storage Capital Cost	\$ 41,187.00	\$ -
	zOS Data Storage Depreciation	\$ -	\$ -
		\$ 41,187.00	\$ -
Total Cost:		\$ 778,598.00	\$ 776,643.00
<u>Rate Calculation Impact:</u>			
Total Costs/Utilization	per GB per day	\$ 0.05514	\$ 0.05796

*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 8

zOS IDMS Run Units

		<u>FY24 Budget</u>	<u>FY25 Budget</u>
Estimated Utilization:		250,798,000	255,000,000
<u>Item #</u>	<u>Description</u>	<u>FY24 Budget</u>	<u>FY25 Budget</u>
	Personnel	\$ 204,429.00	\$ 158,122.00
	Fringe Benefits	\$ 112,436.00	\$ 86,967.00
	Total Personnel	\$ 316,865.00	\$ 245,089.00
412	CA UNIPAK	\$ 1,457,723.00	\$ 1,457,723.00
JITT	zOS IDMS Training/Travel/Tools	\$ 75,000.00	\$ 96,138.00
	Total E&E	\$ 1,532,723.00	\$ 1,553,861.00
Total Personnel, Expense & Equipment:		\$ 1,849,588.00	\$ 1,798,950.00
Indirect Costs Allocated		\$ 115,713.00	\$ 161,465.00
NOC		\$ 120,899.00	\$ 175,275.00
Job Costs:			
	Print	\$ -	\$ -
	zOS Data BU	\$ 600.00	\$ 716.00
	zOS Data Storage	\$ 8,000.00	\$ 8,000.00
	Total Job Costs:	\$ 8,600.00	\$ 8,716.00
Total Cost:		\$ 2,094,800.00	\$ 2,144,406.00
Rate Calculation:			
Total Costs/Utilization		\$ 0.00810	\$ 0.00841

***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 9

zOS DB2 Service Unit

		<u>FY24 Budget</u>	<u>FY25 Budget</u>
Estimated Utilization:		807,151,904,000	800,000,000,000
<u>Item #</u>	<u>Description</u>	<u>FY24 Budget</u>	<u>FY25 Budget</u>
	Personnel	\$ 203,746.00	\$ 183,576.00
	Fringe Benefits	\$ 112,061.00	\$ 100,967.00
	Total Personnel	\$ 315,807.00	\$ 284,543.00
338	DB2 for Z/OS V9	\$ 785,544.00	\$ 855,096.00
341	UDB - DB2 Utilities Suite	\$ 49,072.00	\$ 49,072.00
416	IBM Tivoli Omegamon XE DB2 V4	\$ 183,787.00	\$ 120,000.00
419	DB2 Connect	\$ 182,450.00	\$ 153,395.00
440	Platinum DB2 Tools	\$ 667,752.00	\$ 667,750.00
JZTT	zOS DB2 Training/Travel/Tools/Contractors	\$ 139,800.00	\$ 104,000.00
	Total E&E	\$ 2,008,405.00	\$ 1,949,313.00
	Total Personnel, Expense & Equipment:	\$ 2,324,212.00	\$ 2,233,856.00
	Indirect Costs Allocated	\$ 192,313.00	\$ 225,150.00
	NOC	\$ 200,932.00	\$ 244,409.00
Job Costs:			
	zOS Data BU	\$ 12,000.00	\$ 14,000.00
	zOS Data Storage	\$ 16,000.00	\$ 18,000.00
	VDI Desktops	\$ 1,632.00	\$ 2,300.00
	Total Job Costs:	\$ 29,632.00	\$ 34,300.00
	Total Cost:	\$ 2,747,089.00	\$ 2,737,715.00
Rate Calculation Impact:			
Total Costs/Utilization per Share per Month		\$ 0.00340343	\$ 0.00342214

*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.

Category 10 VM

		<u>FY24 Budget</u>	<u>FY25 Budget</u>
Estimated Utilization:		26,000	26,000
<u>Item #</u>	<u>Description</u>	<u>FY24 Budget</u>	<u>FY25 Budget</u>
	Personnel	487,499	562,992
	Fringe Benefits	\$ 268,124.00	\$ 309,645.00
	Total Personnel	\$ 755,623.00	\$ 872,637.00
119	VM Hardware Purchase Lease	\$ 628,575.00	\$ 365,000.00
238	VM Server and Storage Maintenance	\$ 45,500.00	\$ 53,000.00
344	Vmware vCloud Enterprise Suite	\$ 1,088,735.00	\$ 1,100,000.00
427	Red Hat Enterprise\Network Satellite Maint	\$ 95,000.00	\$ 95,000.00
433	Symantec EndPoint Protection Subsc. - VM	\$ -	\$ -
514	VM Hardware Purchase	\$ 460,000.00	\$ 300,000.00
607	VM Software Purchase	\$ 560,000.00	\$ 391,000.00
620	Foglight license purchase/maintenance	\$ 44,000.00	\$ 44,000.00
807	IBM Server Support Line	\$ -	\$ -
841	VM Training\Travel\Tools for Staff	\$ 20,000.00	\$ 30,000.00
	Total E&E	\$ 2,941,810.00	\$ 2,378,000.00
	Total Personnel, Expense & Equipment:	\$ 3,785,533.00	\$ 3,250,637.00
	Indirect Costs Allocated	\$ 215,000.00	\$ 226,000.00
	NOC	\$ 225,000.00	\$ 237,000.00
	Estimated Extra CPU Revenue	\$ (300,000.00)	\$ (325,000.00)
	Estimated Extra Memory Revenue	\$ (1,450,000.00)	\$ (1,550,000.00)
Cost Adjustment			
	VM Capital Cost	\$ -	\$ (1,072.00)
	VM Depreciation	\$ 88,100.00	\$ 36,196.00
		\$ 88,100.00	\$ 35,124.00
Job Costs:			
	AD	\$ 1,500.00	\$ 1,800.00
	SAN	\$ 38,000.00	\$ 40,000.00
	SDDDB	\$ 12,500.00	\$ 12,500.00
	Server	\$ -	\$ -
	SQL	\$ 13,800.00	\$ 16,500.00
	VDI	\$ -	\$ -
	VM	\$ -	\$ -
	Total Job Costs:	\$ 65,800.00	\$ 70,800.00
	Total Cost:	\$ 2,541,333.00	\$ 1,944,561.00
Rate Calculation:			
Total Costs/Utilization per Image per Month		\$ 97.74	\$ 74.79

An Additional charger of \$7 per Month extra for every one (1) additional virtual CPU over 3 vCPUs..

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

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

Category 11

SAN

		<u>FY24 Budget</u>	<u>FY25 Budget</u>
Estimated Utilization:		25,000,000	28,000,000
<u>Item #</u>	<u>Description</u>	<u>FY24 Budget</u>	<u>FY25 Budget</u>
	Personnel	133,690	119,753
	Fringe Benefits	\$ 73,530.00	\$ 65,864.00
	Total Personnel	\$ 207,220.00	\$ 185,617.00
113	SAN DASD	\$ 1,076,462.00	\$ 2,111,000.00
231	SAN Sever and Storage Maintenance	\$ 222,000.00	\$ 35,000.00
245	DistSys SVC Hardware Maint	\$ 8,500.00	\$ -
477	SAN Software	\$ 870,000.00	\$ 80,000.00
519	DistSys SAN Hardware Upgrade	\$ 716,000.00	\$ 500,000.00
830	SAN/NAS Support Line	\$ 14,000.00	\$ 5,000.00
838	SAN Training\Travel\Tools for Staff	\$ 8,000.00	\$ 10,000.00
	Total E&E	\$ 2,914,962.00	\$ 2,741,000.00
Total Personnel, Expense & Equipment:		\$ 3,202,182.00	\$ 2,926,617.00
Indirect Costs Allocated		\$ 275,000.00	\$ 289,000.00
NOC		\$ 286,000.00	\$ 301,000.00
Cost Adjustment			
	SAN Capital Cost	\$ -	\$ -
	SAN Depreciation	\$ 80,000.00	\$ 27,322.00
		\$ 80,000.00	\$ 27,322.00
Job Costs:			
	Server Support	\$ 7,500.00	\$ 10,000.00
	VM	\$ 4,200.00	\$ 6,000.00
	Backup	\$ 1,000.00	\$ 1,000.00
	Total Job Costs:	\$ 12,700.00	\$ 17,000.00
Total Cost:		\$ 3,855,882.00	\$ 3,560,939.00
Rate Calculation Impact:			
Total Costs/Utilization per GB per Month		\$ 0.15104	\$ 0.1272

***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 12

DistSys Backup-Recovery - TSM\Wranger\SDDb

		<u>FY24 Budget</u>	<u>FY25 Budget</u>
Estimated Utilization:		56,000,000	48,000,000
<u>Item #</u>	<u>Description</u>	<u>FY24 Budget</u>	<u>FY25 Budget</u>
	Personnel	273,518	219,424
	Fringe Benefits	\$ 150,435.00	\$ 120,683.00
	Total Personnel	\$ 423,953.00	\$ 340,107.00
107	Deduplication/Replication HardwareLease	\$ -	\$ -
206	Data Domain Server and Storage Maintenance	\$ 500,000.00	\$ 305,000.00
460	Tivoli Storage Management	\$ 185,000.00	\$ 76,000.00
478	Wranger Software Maintenance	\$ 28,000.00	\$ -
503	Deduplication/Replication Purchase - DistSys	\$ 570,000.00	\$ 570,000.00
606	TSM Software Purchase	\$ 50,000.00	\$ -
608	Wranger License Enhancement	\$ -	\$ -
842	TSM Training\Travel\Tools for Staff	\$ 10,000.00	\$ 25,000.00
	Total E&E	\$ 1,343,000.00	\$ 976,000.00
	Total Personnel, Expense & Equipment:	\$ 2,086,953.00	\$ 1,316,107.00
119	Indirect Costs Allocated	\$ 182,742.00	\$ 191,879.00
	NOC	\$ 198,373.00	\$ 208,292.00
Cost Adjustment			
	DistSys Backup-Recovery Capital Cost	\$ -	\$ -
	DistSys Backup-Recovery Depreciation	\$ 320,000.00	\$ 482,000.00
		\$ 320,000.00	\$ 482,000.00
Job Costs:			
	SAN	\$ 2,200.00	\$ -
	Server Support	\$ -	\$ -
	VM	\$ 36,000.00	\$ 10,000.00
	VDI		\$ 1,200.00
	Total Job Costs:	\$ 38,200.00	\$ 11,200.00
	Total Cost:	\$ 2,506,268.00	\$ 2,209,478.00
<u>Rate Calculation Impact:</u>			
	Total Costs/Utilization	\$ 0.05000	\$ 0.046

***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 13
Indirect Cost Components

<u>Item #</u>	<u>Description</u>	<u>FY24 Budget</u>	<u>FY25 Budget</u>
	Personnel	1,106,514	1,136,614
	Fringe Benefits	648,141	625,138
	Total Personnel	\$ 1,754,655.00	\$ 1,761,752.00
239	Batteries/UPS Maintenance	\$ 185,000.00	\$ 200,000.00
240	Generator Maintenance	\$ 70,000.00	\$ 80,000.00
802	Consulting Service	\$ 473,725.00	\$ -
808	Internet Expenses	\$ 44,000.00	\$ -
811	Office Supplies, Equipment and Maintenance	\$ 30,000.00	\$ -
812	Cell Phones	\$ 20,000.00	\$ -
813	Electrical Distribution, Maintenance	\$ 275,000.00	\$ 275,000.00
814	Postage/Inter Agency Mail Delivery	\$ 200.00	\$ -
816	Racks, Cabinets, Furniture & Building Changes	\$ 110,000.00	\$ 110,000.00
820	Subscriptions & Publications	\$ 1,000.00	\$ 1,000.00
821	Telephone Service and Equipment	\$ 85,000.00	\$ 85,000.00
822	Training & Professional Development	\$ 10,000.00	\$ -
823	Travel	\$ 5,000.00	\$ -
824	Resource Oversight	\$ 46,000.00	\$ -
825	VPN - Access Charge	\$ 5,000.00	\$ -
827	SSL Certificates	\$ 500.00	\$ -
831	Disaster Recovery Rental (Springnet)	\$ 500,000.00	\$ 500,000.00
832	Disaster Recovery Electric (Springnet)	\$ 120,000.00	\$ 120,000.00
857	Calero Software and Billing Expenses	\$ 37,000.00	\$ -
858	Billing System	\$ 20,000.00	\$ -
897	Contractor Assessment	\$ 100,000.00	\$ -
	Total E&E	\$ 2,137,425.00	\$ 1,371,000.00
	Total Personnel, Expense & Equipment:	\$ 3,892,080.00	\$ 3,132,752.00
Cost Adjustment			
	Indirect Capital Cost	\$ (330,200.00)	\$ (10,355.00)
	Indirect Depreciation	\$ 131,163.00	\$ 5,008.00
		\$ (199,037.00)	\$ (5,347.00)
	Total Cost:	\$ 3,693,043	\$ 3,127,405

Category 14

Websphere Application Servier (WAS)

		FY24 Budget	FY25 Budget
Estimated Utilization:		12,540	10,476
Item #	Description	FY24 Budget	FY25 Budget
	Technical Support Personnel	79,314	68,127
	Fringe Benefits	\$ 43,622.00	\$ 37,470.07
	Total Personnel	\$ 122,936.00	\$ 105,597.48
428	Tivoli WAS\ND	\$ 392,204.00	\$ 582,650.88
845	WAS Training\Travel\Tools for	\$ 18,150.00	\$ 14,536.12
M05	WAS Encryption-Guardium	\$ -	\$ -
	Total E&E	\$ 410,354.00	\$ 597,187.00
	Total Personnel, Expense & E	\$ 533,290.00	\$ 702,784.48
	Indirect Costs Allocated	\$ 84,148.00	\$ 36,548.00
	NOC	\$ 87,920.00	\$ 29,780.00
Cost Adjustment			
	WAS Capital Cost	\$ -	\$ -
	WAS Depreciation	\$ 12,589.00	\$ 518.03
		\$ 12,589.00	\$ 518.03
Job Costs:			
	DIST BU REC	\$ 3,208.00	\$ 3,861.00
	SAN	\$ 6,808.00	\$ 6,298.00
	AD	\$ 1,158.00	\$ 1,340.00
	DB	\$ -	\$ -
	VM	\$ 75,027.00	\$ 83,218.00
	Total Job Costs:	\$ 86,201.00	\$ 94,717.00
	Total Cost:	\$ 804,148.00	\$ 864,347.51
Rate Calculation Impact:			
	Total Costs/Utilization	\$ 63.56	\$ 82.51

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

Category 15

SQL

Estimated Utilization:

Base	32%
Memory	3%
Overage	49%
License	16%
	100%

FY24 Budget	FY25 Budget
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34,344	34,188
30,564	32,724
4,267,524	4,824,308
5,076	4,980

Item #**Description**

FY24 Budget	FY25 Budget
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Personnel	\$ 754,289.00	\$ 945,271.00
Fringe Benefits	\$ 414,859.00	\$ 519,899.00
Total Personnel	\$ 1,169,148.00	\$ 1,465,170.00

451	SA Licenses for SQL	\$ 813,531.00	\$ 706,243.00
601	Enterprise License for SQL (New)	\$ 19,320.00	\$ -
640	SQL Software	\$ 492,576.00	\$ 138,600.00
885	Neodynamic Barcode Used for SSRS	\$ 2,000.00	\$ 1,976.00
839	SQL Training \Travel\Tools for Staff	\$ 42,500.00	\$ 19,000.00
	Total E&E	\$ 1,369,927.00	\$ 865,819.00

Total Personnel, Expense & Equipment:	\$ 2,349,367.00	\$ 2,330,989.00
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Indirect Costs Allocated	\$ 325,286.00	\$ 347,815.00
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NOC	\$ 339,865.00	\$ 377,565.00
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Cost Adjustment

SQL Capital Purchases	\$ (300,000.00)	\$ -
SQL Depreciation	\$ 110,292.00	\$ -
	\$ (189,708.00)	\$ -

Job Costs:

AD	\$ 44,000.00	\$ 53,552.00
DIST BU REC	\$ 22,000.00	\$ 25,280.00
Server Support	\$ -	\$ -
SAN	\$ 935,640.00	\$ 1,041,536.00
VM	\$ 342,000.00	\$ 438,448.00
Total Job Costs:	\$ 1,343,640.00	\$ 1,558,816.00

Total Cost:	\$ 4,168,450.00	\$ 4,615,185.00
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Rate Calculation Base:

32% Total Costs/Utilization(Base) per Unit per Month	32%	\$ 42.33	\$ 43.20
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Rate Calculation Memory:

3% Total Costs/Utilization(Memory) per Month per GB	3%	\$ 4.46	\$ 4.23
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Rate Calculation Overage:

49% Total Costs/Utilization(Overage) per Month per GB Overage	49%	\$ 0.05	\$ 0.47
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Rate Calculation License:

16% Total Costs/Utilization(License) per Month per License	16%	\$ 143.20	\$ 148.28
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Category 16

Server Support

		<u>FY24 Budget</u>	<u>FY25 Budget</u>
Estimated Utilization:		2,640	2,460
<u>Item #</u>	<u>Description</u>	<u>FY24 Budget</u>	<u>FY25 Budget</u>
	Personnel	282,142	275,351
	Fringe Benefits	\$ 155,178.00	\$ 151,443.00
	Total Personnel	\$ 437,320.00	\$ 426,794.00
229	Remote Server Maintenance	\$ 500.00	\$ 300.00
340	Microsoft Server Operating System Subsc.	\$ 3,000.00	\$ 21,000.00
342	Symantec EndPoint Protection Subsc. - Remote S	\$ -	\$ -
507	Remote Server Replacement	\$ -	\$ -
508	Remote Storage Hardware	\$ -	\$ -
	Total E&E	\$ 3,500.00	\$ 21,300.00
	Total Personnel, Expense & Equipment:	\$ 440,820.00	\$ 448,094.00
	Indirect Costs Allocated	\$ 42,000.00	\$ 50,000.00
	NOC	\$ 44,000.00	\$ 50,000.00
Job Costs:			
	Dist Bu Red	\$ 500.00	\$ 750.00
	MySQL	\$ 2,300.00	\$ 3,200.00
	SAN	\$ 500.00	\$ 700.00
	VM	\$ 1,500.00	\$ 1,200.00
	Total Job Costs:	\$ 4,800.00	\$ 5,850.00
	Total Cost:	\$ 526,820.00	\$ 553,944.00

Rate Calculation Remote Server Support:

Total Costs/Utilization	\$ 201.37	\$ 225.18
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***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 17
VDI

		<u>FY24 Budget</u>	<u>FY25 Budget</u>
Estimated Utilization:			
	Standard	45,000	45,504
	Basic	28,100	15,816
	Total		61,320

<u>Item #</u>	<u>Description</u>	<u>FY24 Budget</u>	<u>FY25 Budget</u>
	Personnel	\$ -	\$ -
	Fringe Benefits	\$ -	\$ -
	Total Personnel	\$ -	\$ -
243	VDI Server Maintenance	\$ -	\$ 800.00
244	VDI Storage Maintenance	\$ 35,000.00	\$ -
469	VMWare Software Maintenance	\$ 611,651.00	\$ 579,000.00
470	Microsoft VDA Licensing (Software Subscription)	\$ -	\$ -
492	Office 365 ProPlus	\$ -	\$ -
516	VDI End-Point Device	\$ -	\$ 185,000.00
517	VDI Server and Upgrades	\$ 684,000.00	\$ 200,000.00
518	VDI Storage and Upgrades	\$ 210,000.00	\$ -
609	VMWare View Licensing	\$ -	\$ -
	Total E&E	\$ 1,540,651.00	\$ 964,800.00
	Total Personnel, Expense & Equipment:	\$ 1,540,651.00	\$ 964,800.00
	Indirect Costs Allocated	\$ 141,799.00	\$ 85,315.41
	NOC	\$ 153,928.00	\$ 69,517.07
Cost Adjustment			
	VDI Capital Cost	\$ -	\$ -
	VDI Depreciation	\$ 92,063.00	\$ 2,969.00
		\$ 92,063.00	\$ 2,969.00
Job Costs:			
	AD	\$ 160.00	\$ 500.00
	Dist BU Rec	\$ 7,000.00	\$ 10,500.00
	SAN	\$ 40,000.00	\$ 42,000.00
	SQL	\$ 7,304.00	\$ 15,600.00
	VM	\$ 40,000.00	\$ 44,000.00
	Total Job Costs:	\$ 94,464.00	\$ 112,600.00
	Total Cost:	\$ 2,022,905.00	\$ 1,235,201.48

Rate Calculation VDI:

Total Costs/Utilization	Standard VDI	\$ 33.59	\$ 20.14
	Basic (RDP Pool) VDI	\$ 13.78	\$ 5.04

Configuration.

An Additional charges of \$11 per Month extra for every one (1) additional virtual CPU over 3 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 18

SFTP

		<u>FY24 Budget</u>	<u>FY25 Budget</u>
Estimated Utilization (Per User):		81,504	63,492
<u>Item #</u>	<u>Description</u>	<u>FY24 Budget</u>	<u>FY25 Budget</u>
	Personnel	55,884	47,118
	Fringe Benefits	\$ 30,736.00	\$ 25,914.82
	Total Personnel	\$ 86,620.00	\$ 73,032.68
439	MoveIT Software Maint	\$ 98,702.00	\$ 86,700.00
837	FTP Staff Training\Travel\Tools for Staff	\$ 36,968.00	\$ 4,000.00
	Total E&E	\$ 135,670.00	\$ 90,700.00
Total Personnel, Expense & Equipment:		\$ 222,290.00	\$ 163,732.68
Indirect Costs Allocated		\$ 9,928.00	\$ 19,118.00
NOC		\$ 10,373.00	\$ 15,577.00
Job Costs:			
	Dist BU Rec	\$ 2,142.02	\$ 2,000.00
	AD	\$ 160.80	\$ 224.00
	SAN	\$ 5,777.62	\$ 7,400.00
	SQL	\$ 2,758.26	\$ 6,500.00
	VM	\$ 2,016.84	\$ 11,000.00
	Total Job Costs:	\$ 12,855.54	\$ 27,124.00
Total Cost:		\$ 255,446.54	\$ 225,551.68
<u>Rate Calculation Impact</u> Per User		\$ 3.13	\$ 3.55

***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 19

SharePoint

		<u>FY24 Budget</u>	<u>FY25 Budget</u>
Estimated Utilization:		70,116	82,746
<u>Item #</u>	<u>Description</u>	<u>FY24 Budget</u>	<u>FY25 Budget</u>
	Personnel	266,329	262,875
	Fringe Benefits	\$ 146,497.00	\$ 144,581.00
	Total Personnel	\$ 412,826.00	\$ 407,456.00
401	Axceler ControlPoint - SharePoint Internal	\$ -	\$ -
481	Software - Maintenance Renewals SharePoint Ir	\$ 11,000.00	\$ 22,000.00
482	Software - Maintenance Renewals SharePoint E	\$ 15,000.00	\$ 16,500.00
M19	Software - Kwizcom (DataSheet View)	\$ 1,400.00	\$ 1,600.00
M21	SharePoint 2013 Upgrade	\$ 75,000.00	\$ 55,000.00
M22	Magnetic Tapes & Supplies	\$ -	\$ 12,420.86
660	SharePoint Server Licenses	\$ -	\$ 28,000.00
840	SharePoint Training \Travel\Tools for Staff	\$ 24,000.00	\$ 30,000.00
848	VM Additional Charges for SharePoint Internal	\$ 7,000.00	\$ 7,700.00
931	SharePoint External Capital Cost	\$ -	\$ -
	Total E&E	\$ 133,400.00	\$ 173,220.86
	Total Personnel, Expense & Equipment:	\$ 646,226.00	\$ 580,676.86
	Indirect Costs Allocated	\$ 110,000.00	\$ 23,508.00
	NOC	\$ 115,000.00	\$ 28,850.00
Cost Adjustment			
	SharePoint Internal Capital Cost	\$ -	\$ -
	SharePoint Internal Depreciation	\$ 100,000.00	\$ -
		\$ 100,000.00	\$ -
Job Costs:			
	AD	\$ 120.00	\$ -
	Dist BU Rec	\$ 87,500.00	\$ 177,000.00
	SAN	\$ 9,000.00	\$ 5,000.00
	SQL	\$ 200,000.00	\$ 232,200.00
	VM	\$ 48,000.00	\$ 22,000.00
	Total Job Costs:	\$ 344,620.00	\$ 436,200.00
	Total Cost:	\$ 1,215,846.00	\$ 1,069,234.86
Rate Calculation Impact:			
Total Costs/Utilization SharePoint Internal Rate		\$ 17.34	\$ 12.92

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

Category 20

JIRA

		<u>FY24 Budget</u>	<u>FY25 Budget</u>
Estimated Utilization:		7,884	9,036
<u>Item #</u>	<u>Description</u>	<u>FY24 Budget</u>	<u>FY25 Budget</u>
	Technical Support Personnel	6,226	11,018
	Fringe Benefits	\$ 3,425.00	\$ 6,060.14
	Total Personnel	\$ 9,651.00	\$ 17,078.58
483	JIRA Software Maintenance plus plugin	\$ 71,136.00	\$ 80,500.00
886	JIRA Priority Support	\$ 4,940.00	\$ 4,940.00
880	JIRA Training\Travel\Tools for Staff	\$ 6,414.00	\$ 6,500.00
	Total E&E	\$ 82,490.00	\$ 91,940.00
Total Personnel, Expense & Equipment:		\$ 92,141.00	\$ 109,018.58
Indirect Costs Allocated		\$ 14,136.00	\$ 13,576.96
NOC		\$ 14,769.00	\$ 11,062.71
Job Costs:			
	Dist BU Rec	\$ 1,038.00	\$ 3,120.00
	SAN	\$ 1,031.00	\$ 980.00
	SQL	\$ 1,215.00	\$ 720.00
	AD	\$ 26.00	\$ 1,350.00
	VM	\$ 2,705.00	\$ 40.00
	Total Job Costs:	\$ 6,015.00	\$ 6,210.00
Total Cost:		\$ 127,061.00	\$ 139,868.25
<u>Rate Calculation JIRA:</u>			
Total Costs/Utilization per user per month		\$ 18.22	\$ 15.48

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

Category 21

OnBase

		<u>FY24 Budget</u>	<u>FY25 Budget</u>
Estimated Utilization:		63,660	69,552
<u>Item #</u>	<u>Description</u>	<u>FY24 Budget</u>	<u>FY25 Budget</u>
	Personnel	603,916	640,660
	Fringe Benefits	\$ 332,154.00	\$ 352,363.00
	Total Personnel	\$ 936,070.00	\$ 993,023.00
121	Onbase HealthCheck - Hyland Services	\$ -	\$ -
498	Enterprise OnBase Licenses	\$ 239,000.00	\$ 263,000.00
622	New Enterprise Modules	\$ 15,000.00	\$ 9,000.00
539	OnBase Administration and Utility Software	\$ 10,700.00	\$ 12,000.00
M01	Encryption Maintenance	\$ -	\$ -
873	Staff Training	\$ 41,300.00	\$ 40,000.00
	Total E&E	\$ 306,000.00	\$ 324,000.00
	Total Personnel, Expense & Equipment:	\$ 1,244,768.00	\$ 1,317,023.00
	Indirect Costs Allocated	\$ 106,000.00	\$ 113,000.00
	NOC	\$ 110,000.00	\$ 118,000.00
Cost Adjustment			
	OnBase ECM Capital Cost	\$ -	\$ (3,224.00)
	OnBase ECM Depreciation	\$ 2,698.00	\$ 2,863.00
		\$ 2,698.00	\$ (361.00)
Job Costs:			
	AD	\$ 1,400.00	\$ 1,650.00
	Dist BU Rec	\$ 4,500.00	\$ 5,000.00
	SAN	\$ 19,200.00	\$ 6,000.00
	SQL	\$ 36,500.00	\$ 34,000.00
	VDI	\$ 2,500.00	\$ 1,250.00
	VM	\$ 51,000.00	\$ 59,000.00
	Total Job Costs:	\$ 115,100.00	\$ 106,900.00
	Total Cost:	\$ 1,575,868.00	\$ 1,654,562.00
Rate Calculation Impact:			
Total Costs/Utilization Per OnBase user		\$ 24.75	\$ 23.79

***OnBase ECM:** OnBase is State of MO standard Enterprise-level Electronic Content Management (ECM) system used for the storage, retrieval and management of electronic content. Billing is based on "named" users.

Category 22

Web Utility

		<u>FY24 Budget</u>	<u>FY24 Budget</u>
Estimated Utilization:		3,095	35,940
<u>Item #</u>	<u>Description</u>	<u>FY24 Budget</u>	<u>FY24 Budget</u>
	Technical Support Personnel	105,659	143,578
	Fringe Benefits	\$ 63,396.00	\$ 78,967.97
	Total Personnel	\$ 169,055.00	\$ 222,546.09
Item			
442	MicroSoft Team Foundation Software Sub	\$ -	\$ 2,565.00
453	SynRecovery software	\$ 1,000.00	\$ 1,100.00
466	CVS/SVC/GIT Maint	\$ -	\$ 10.00
467	Load Balancer Maintenance	\$ -	\$ -
489	uDeploy software Maintenance	\$ 132,444.00	\$ 115,500.00
494	Tidal Maintance	\$ 52,784.00	\$ 102,862.00
499	AppViewX Software Maintenance	\$ 160,375.00	\$ 111,000.00
648	Cert Cost	\$ 560.00	\$ -
847	ADFS Certificates	\$ -	\$ 3,065.00
869	Web Utility Training\Travel\Tools for Staff	\$ 65,680.00	\$ 291,000.00
	Total E&E	\$ 412,843.00	\$ 627,102.00
	Total Personnel, Expense & Equipment:	\$ 581,898.00	\$ 849,648.09
	Indirect Costs Allocated	\$ 55,675.00	\$ 85,049.00
	NOC	\$ 60,438.00	\$ 69,299.00
Cost Adjustment			
	Web Utility Capital Cost	\$ -	\$ -
	Web Utility Depreciation	\$ 1,130.00	\$ 1,601.19
		\$ 1,130.00	\$ 1,601.19
Job Costs			
	AD	\$ 354.00	\$ 9,598.00
	Dist BU Rec	\$ 36,439.00	\$ 54,620.00
	SAN	\$ 3,591.00	\$ 10,736.00
	DB	\$ 10,074.00	\$ 20,676.00
	VM	\$ 23,887.00	\$ 69,150.00
	Total Job Costs	\$ 74,345.00	\$ 164,780.00
	Total Cost	\$ 773,486.00	\$ 1,170,377.28
	Per Site per Month	\$ 20.87	\$ 32.56

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 23
MySQL

		<u>FY24 Budget</u>	<u>FY25 Budget</u>
Estimated Utilization:			
Base	99.90%	3,612	3,600
Memory			
Overage	0.10%	1,308	240
License			

<u>Item #</u>	<u>Description</u>	<u>FY24 Budget</u>	<u>FY24 Budget</u>
	Personnel	\$ 124,260.00	\$ 175,713.00
	Fringe Benefits	\$ 68,343.00	\$ 96,642.00
	Total Personnel	\$ 192,603.00	\$ 272,355.00
468	SQL	\$ 120,750.00	\$ 79,800.00
641	MySQL Software	\$ 18,432.00	\$ -
881	MySQL Training \Travel\Tools for Staff	\$ 10,000.00	\$ 10,000.00
	Total E&E	\$ 149,182.00	\$ 89,800.00
Total Personnel, Expense & Equipment:		\$ 341,785.00	\$ 362,155.00
Indirect Costs Allocated		\$ 34,379.00	\$ 36,096.90
NOC		\$ 37,319.00	\$ 39,184.95

Cost Adjustment

MySQL Capital Cost	\$ -	\$ (1,072.00)
MySQL Utility Depreciation	\$ 8,489.00	\$ -
	\$ 8,489.00	\$ (1,072.00)

Job Costs:

AD	\$ 210.00	\$ 265.00
Dist BU Rec	\$ 3,500.00	\$ 3,680.00
SAN	\$ 4,600.00	\$ 4,800.00
VM	\$ 18,600.00	\$ 20,720.00
Total Job Costs:	\$ 26,910.00	\$ 29,465.00

Total Cost: **\$ 448,882.00** **\$ 465,829.85**

Rate Calculation Base:

95% Total Costs/Utilization(Base) per Unit per Month 95.00% \$ **131.87** \$ **129.27**

Rate Calculation Overage:

5% Total Costs/Utilization(Overage) per Month per GE 5.00% \$ **1.83** \$ **1.94**

***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 24

Enterprise Web Hosting

		<u>FY24 Budget</u>	<u>FY24 Budget</u>
Estimated Utilization Rate (Per Site):		8,928	12,624
<u>Item #</u>	<u>Description</u>	<u>FY24 Budget</u>	<u>FY24 Budget</u>
	Technical Support Personnel	103,478	152,400
	Fringe Benefits	\$ 56,912.98	\$ 83,819.00
	Total Personnel	\$ 160,391.13	\$ 236,218.91
Item			
M08	Plesk Maintenance	\$ 7,255.43	\$ -
537	Plesk License Purchase	\$ -	\$ 34,400.00
874	Training/tools	\$ 77,350.40	\$ 35,223.00
	Total E&E	\$ 84,605.83	\$ 69,623.00
Total Personnel, Expense & Equipn		\$ 244,996.96	\$ 305,841.91
Indirect Costs Allocated		\$ 16,235.26	\$ 14,884.00
NOC		\$ 17,623.92	\$ 12,127.00
Job Costs			
	306094EWEB Server	\$ 800.28	\$ 1,010.00
	306094EWEB Disk	\$ 18.91	\$ 54.00
	306094EWEB DistrSYS (Backup)	\$ 13.19	\$ 15.00
	306094EWEB DB	\$ -	\$ -
	306094EWEB AD	\$ -	\$ -
	306094EWBH Server	\$ 72,273.84	\$ 94,750.00
	306094EWBH Disk	\$ 11,924.02	\$ 16,430.00
	306094EWBH DistrSYS (Backup)	\$ 14,242.47	\$ 19,400.00
	306094EWBH DB	\$ -	\$ -
	306094EWBH AD	\$ -	\$ -
	300ESS Server	\$ 6,313.68	\$ 7,220.00
	300ESS Disk	\$ 907.78	\$ 4,561.00
	300ESS DistrSYS (Backup)	\$ 593.50	\$ 7,481.00
	300ESS DB	\$ -	\$ -
	300ESS AD	\$ -	\$ -
	Total Job Costs	\$ 107,087.67	\$ 150,921.00
Total Cost		\$ 385,943.81	\$ 483,773.91
Per Site per Month		\$ 25.32	\$ 38.32

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

Category 25**Network Operations Center (NOC)**

<u>Item #</u>	<u>Description</u>	<u>FY24 Budget</u>	<u>FY25 Budget</u>
	Personnel	1,524,037	1,454,293
	Fringe Benefits	838,220	799,861
	Total Personnel	2,362,257	2,254,154
345	SiteScan	\$ 5,000.00	\$ 5,000.00
349	Lansweeper	\$ 50,000.00	\$ 40,000.00
351	Kiwi Syslog	\$ 400.00	\$ -
353	Solarwinds NPM	\$ 15,000.00	\$ -
354	Solarwinds SAM	\$ 12,000.00	\$ -
355	Solarwinds NTA	\$ 7,200.00	\$ -
356	Orion Polling Engines	\$ 103,260.00	\$ 110,000.00
357	Orion Web Server	\$ 1,000.00	\$ -
361	Splunk Logging	\$ 390,000.00	\$ 407,000.00
364	Solarwinds WPM	\$ 144,000.00	\$ 5,500.00
366	Splunk Professional Services	\$ 5,500.00	\$ 40,000.00
491	ITSM Tool Maintenance - cherwell	\$ 130,000.00	\$ 130,000.00
532	NOC - Desktop Computer Equipment	\$ 3,200.00	\$ 3,500.00
618	Microsoft System Center Suite	\$ 43,000.00	\$ 30,000.00
629	ITSM Tool Software	\$ 23,400.00	\$ -
657	Software Delivery Tool (Big Fix)	\$ 109,000.00	\$ 31,260.00
662	App Response	\$ 55,000.00	\$ -
663	Application Mapping Tool	\$ 150,000.00	\$ -
654	Rave Texting	\$ -	\$ -
872	NOC Training \Travel\Tools for Staff	\$ 51,000.00	\$ 51,000.00
884	Linux Training\Travel\Tools for Utility Staff	\$ 20,000.00	\$ 38,000.00
	Total E&E	\$ 1,317,960.00	\$ 891,260.00
	Total Personnel, Expense & Equipment:	\$ 3,694,567.00	\$ 3,145,414.00
Cost Adjustment			
	NOC Capital Cost	\$ -	\$ -
	NOC Depreciation	\$ 14,350.00	\$ -
		\$ 14,350.00	\$ -
Job Costs:			
	AD	\$ 100.00	\$ 100.00
	Dist BU Rec	\$ 81,664.00	\$ 30,450.00
	SAN	\$ 206,100.00	\$ 101,500.00
	SQL	\$ 41,700.00	\$ 99,300.00
	VDI	\$ 1,340.00	\$ 2,750.00
	VM	\$ 158,924.00	\$ 122,000.00
	Total Job Costs:	\$ 489,828.00	\$ 356,100.00
	Total Cost:	\$ 4,198,745.00	\$ 3,501,514.00

*NOC: Network Operations Center (NOC) operates 24x7 and uses cutting edge technology, equipment, and tools to monitor critical computing systems and network infrastructure. NOC is an internal job cost that is allocated to other categories based on estimated utilization.

Category 26

Tableau

		<u>FY24 Budget</u>	<u>FY25 Budget</u>
Estimated Utilization:		9,254	5,760
<u>Item #</u>	<u>Description</u>	<u>FY24 Budget</u>	<u>FY25 Budget</u>
	Personnel	71,206	72,788
	Fringe Benefits	\$ 39,164.00	\$ 40,033.63
	Total Personnel	\$ 110,370.00	\$ 112,822.05
661	Tableau Maintenance	\$ 298,200.00	\$ 2,500,000.00
M09	Guardium License	\$ 254,621.00	\$ -
M10	Data Management Resource Core - Internal	\$ 11,636.12	\$ -
M11	Data Management Core - Internal	\$ 57,951.68	\$ -
M12	Server Management License - Internal	\$ 37,822.24	\$ -
M13	Support Premium	\$ 135,800.00	\$ -
M15	Server Core - Public	\$ 695,520.00	\$ -
M16	Data Management Resource Core - Public	\$ 143,024.00	\$ -
M17	Data Management Core - Public	\$ 27,240.00	\$ -
M18	Server Management License - Public	\$ 254,621.00	\$ -
883	Tableau Training\Travel\Tools for Staff	\$ 19,101.00	\$ 43,820.00
	Total E&E	\$ 1,935,537.04	\$ 2,543,820.00
Total Personnel, Expense & Equipment:		\$ 2,045,907.04	\$ 2,656,642.05
Indirect Costs Allocated		\$ 60,723.00	\$ 133,671.00
NOC		\$ 65,917.00	\$ 108,917.00
Cost Adjustment			
	Tableau Utility Capital Cost	\$ -	\$ -
	Tableau Depreciation	\$ 1,199.00	\$ 300.00
		\$ 1,199.00	\$ 300.00
Job Costs:			
	Server	\$ 218,082.00	\$ 194,000.00
	Disk	\$ 58,892.00	\$ 58,900.00
	DistrSYS (Backup	\$ 54,579.00	\$ 31,700.00
	DB	\$ -	\$ -
	AD	\$ 129.00	\$ 130.00
	SAN	\$ -	\$ -
	VDI	\$ -	\$ -
	Total Job Costs:	\$ 331,682.00	\$ 284,730.00
Total Cost:		\$ 2,505,428.04	\$ 3,184,260.05
Total Costs/Utilization Per Site Per Month		\$ 32.22	\$ 46.07

***Tableau:** Tableau is the State's Enterprise Statistical Analysis platform. It can be used to connect to any data source and present that data through a browser interface.

Category 27

DB2 LUW

		<u>FY24 Budget</u>	<u>FY25 Budget</u>	
Estimated Utilization:				
	Base	95	4,044	3,972
	Memory		2,580	-
	Overage	5	33,796	25,572
	License			-
<u>Item #</u>	<u>Description</u>		<u>FY24 Budget</u>	<u>FY25 Budget</u>
	Personnel		\$ 404,507.00	\$ 338,144.00
	Fringe Benefits		\$ 222,479.00	\$ 185,979.00
	Total Personnel		\$ 626,986.00	\$ 524,123.00
473	DB2 Maintenance		\$ 446,418.00	\$ 977,040.00
JDSL	DB2 New Software License		\$ -	\$ -
882	DB2 LUW Training\Travel\Tools for Sta		\$ 20,000.00	\$ 20,000.00
	Total E&E		\$ 466,418.00	\$ 997,040.00
Total Personnel, Expense & Equipme			\$ 1,093,404.00	\$ 1,521,163.00
Indirect Costs Allocated			\$ 98,465.00	\$ 103,388.00
NOC			\$ 106,887.00	\$ 112,231.00
Job Costs:				
	AD		\$ 5,150.00	\$ 9,385.00
	Dist BU Rec		\$ 7,167.00	\$ 5,020.00
	SAN		\$ 37,800.00	\$ 33,844.00
	VM		\$ 60,000.00	\$ 68,222.00
	Total Job Costs:		\$ 110,117.00	\$ 116,471.00
Total Cost:			\$ 1,408,873.00	\$ 1,853,253.00

Rate Calculation Base:

95% Total Costs/Utilization(Base)	95.00%	\$ 376.35	\$ 443.25
per Unit per Month			

Rate Calculation Overage:

5% Total Costs/Utilization(Overage)	5.00%	\$ 3.39	\$ 3.62
per Month per GB Overage			

***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 28

BOX

		<u>FY24 Budget</u>	<u>FY25 Budget</u>
Estimated Utilization (Per User):		1,700	21,780
<u>Item #</u>	<u>Description</u>	<u>FY24 Budget</u>	<u>FY25 Budget</u>
	Personnel	28,619	47,118
	Fringe Benefits	\$ 15,740.45	\$ 25,914.82
	Total Personnel	\$ 44,359.45	\$ 73,032.68
538	Hardware/Software Expense & Equipment Total	\$ 411,655.20	\$ 429,550.00
887	BOX Training/Travel/Tools for Staff	\$ 7,982.00	\$ 5,000.00
	Total E&E	\$ 419,637.20	\$ 434,550.00
	Total Personnel, Expense & Equipment:	\$ 463,996.65	\$ 507,582.68
149	Indirect Costs Allocated	\$ 8,539.00	\$ 8,539.00
	NOC	\$ 8,372.00	\$ 8,372.00
Job Costs:			
	AD	\$ 64.32	\$ 40.00
		\$ -	\$ -
	Total Job Costs:	\$ 64.32	\$ 40.00
	Total Cost:	\$ 480,971.97	\$ 524,533.68
<u>Rate Calculation Impact:</u>			
	Per User per month	\$ 23.58	\$ 24.08

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