

Networks and Unified Communications Connecting, Collaborating & Communicating

Cost Allocation Plan Fiscal Year 2020

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Background and General and Description

Purpose

This document outlines the methodology utilized by the Information Technology Services Division (ITSD) in developing rates for Network services provided to state agencies, colleges and universities. The authorization to develop rate structures and establish a charging system is provided under Chapter 37, RSMo.

The estimated expenditures and rates set forth herein provide the means for ensuring full cost-recovery based on agency's use of services. As with any plan, actual events require close monitoring and revisions to the rates may be required.

Pricing Concepts

The major objective for the ITSD is to provide state agencies and organizations with cost effective and efficient resources. Achievement of this objective results in improved productivity in state government and more effective delivery of governmental services to the citizens of Missouri.

The charging systems or objectives associated with this Cost Allocation Plan (CAP) methodology are summarized as follows:

- 1. Establish usage-sensitive pricing of services
- 2. Provide rate stabilization
- 3. Develop a cost for the total network service
- 4. Provide agencies maximum flexibility in controlling use
- 5. Minimize the impact of future rate changes and/or cost increases
- 6. Maximize economies of scale opportunities available through resource sharing

Expenditure Planning

One of the key components of this CAP is developing an overall schedule and general allocation of anticipated expenditures. The plan contained in this report reflects the best estimate of the costs required to provide communications services to state agencies throughout the Fiscal Year.

Development Methodology

A cost-based methodology was employed in establishing the billing rates detailed in this plan. The benefits of this cost based methodology are two fold. First, as a full cost approach. Both direct and indirect costs are included, and the under/over recovery of communications total budget costs is minimized. Second, it provides an equitable method for cost recovery; i.e., the rate is based on the amount of resources utilized.

The methodology for development of this CAP can generally be summarized in the following nine steps:

1. Determine Services Provided

The types of services provided by the Network sections are based on the requirements of state established agencies and services are comparable to those provided by regulated utilities, facility-based carriers, other common carriers and resellers of network services. These services are provided by the Office of Administration when the state can obtain enhanced shared features and realize economies of scale.

2. Establish Units of Service

The unit of service utilized to measure the volume of service provided for each service type was based on three major criteria: relationship to the function performed, measurability and level of control which can be exercised by the customer agencies.

3. Compile Estimates of Utilization

Prior Fiscal Year utilization of each service category was compiled and analyzed. The category actuals were then used as a basis for CAP utilization projections or estimates. 4. Identify Types of Costs

Two basic types of costs were identified: direct and indirect. Direct costs are those costs that can be identified with providing a type of service. Indirect costs are those costs that cannot be directly identified with providing a specific type of service but relate to Network costs as a whole.

5. Determine Direct Costs

Budgeted expense, equipment and personal service costs that could be directly identified with providing a specific type of service, were accumulated to determine total allocated direct cost by type of service. In some cases, an expense or equipment cost applies to more than one service category. The cost is then split by percentage among the appropriate type of service.

6. Determine Indirect Costs

Budgeted expense, equipment and personal service costs that relate to Network services, but cannot be directly identified with providing a specific type of service, were accumulated to determine the total indirect cost by type of service and considered overhead expense. These costs were divided across all service categories.

7. Summarized Total Cost by Service

Total cost by service was determined by adding the direct and indirect allocated costs.

8. Calculate Cost Per Unit of Service

The cost per unit of service was calculated by dividing the total annual cost by the total estimated annual utilization. The cost per unit may be adjusted mid-plan year to accommodate significant fluctuations in utilization.

Service Category Definitions

Centrex Access

The basic unit of service provided by ITSD Communications to customers is access (dial tone). CenturyLink provides this service under the service mark of Centrex. This basic unit of service allows customers the ability to receive calls from any customer of the world-wide telecommunications system.

Long Distance

Long Distance is the cost-per-minute for the usage that either completes or originates from a state business line, UC line, PLEXAR line, or Centrex line.

PLEXAR Access

Access (dial tone) provided to customers in cities served by AT&T Telephone Company has the trademark of PLEXAR. This basic unit of service allows customers to receive calls from any caller on the worldwide telecommunications system.

Voice Mail

This category is for voice mail services.

Pass-Through Telephone Service

Pass-Through service is the process by which the charges billed by the telephone vendors are in turn billed to the appropriate agencies. Charges incurred for services such as data circuits, local service, and toll calls are billed to the agencies with an administrative fee added. Outstanding charges for leased UC phones are billed in this category.

Toll-Free

This category is for Toll-Free service such as 800, 888, 877, 866 and 855 numbers where agencies pay the per-call costs instead of the caller. The cost elements for this service include circuit, per minute service costs and an administrative fee.

Internet Services

Internet Services supplied to state agencies include bandwidth, redundancy, security measures, monitoring and troubleshooting. These services provide state employees access to information available on the Internet, as well as allowing state agencies to provide information and e-business services to our customers. Agencies can also additionally utilize these services for connectivity to remote users or offices and services such as videoconferencing.

Network

Network services represent the core network and security functions provided to all state agencies. Network core are items supporting the backbone infrastructure that handles transport and routing. ITSD serves as the enabler for connectivity from any agency to enterprise applications (e.g., SAM II). Additionally, ITSD provides inter-agency electronic communications, and agency connectivity to the Internet. These services also provide various levels of security and redundancy for the customer structures. Furthermore, technical and consulting services are provided to agencies through this category.

Wireless Service

Wireless Service includes the purchase of wireless devices and the associated monthly service including calls, plans and features.

Unified Communications (UC)

The UC category supports the state's Voice Over Internet Protocol (VoIP) network to include, but is not limited to, Cisco Phones, Jabber, Telepresence, Mobility and WebEx. These services allow for improved collaboration and communication in the most efficient and effective methods available within the state.

Unified Communications (UC) Call Center

Call Center costs are for monthly server charges required for Call Center agents. Call Center Licenses and CVP Ports are billed directly to approprate agencies outside of the CAP.

Unified Communications (UC) Call Queue

This queue charge represents the cost for the call trunks for the when callers are placed in queue on the UCCE Call Center Service.

WAN

Costs for the support of wired and wireless network service that provide access for the end users and their peripherals to the State of Missouri network and UC services.

Enterprise Fax Service:

Enterprise Fax Service is a software product provided by Biscom that allows for the electronic retrieval and sending of faxes.

Detailed Budget

Person	al Service	Bu	Budget Amount FY19		Budget Amount FY20	
	al Services	\$	1,564,123	\$ 2,830,881		
Fringe	Benefits	\$	703,785	\$	1,273,897	
Total P	ersonnel Service:	\$	2,267,752	\$	4,104,778	
Comm	unications Expense and Equipment		FY19		FY20	
J901	Hardware and Software Maintenance	\$	603,301	\$	610,301	
J911	Wiring and General Services	\$	6,000	\$	2,754	
JI71	Equipment and Maintenance	\$	258,352	\$	280,352	
JI72	State Network Charges	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	136,984	\$	159,852	
JI73	MoreNet Charges	\$	155,473	\$	155,473	
JR01	Centrex Lines - CenturyLink	\$	750,000	\$	681,605	
JR02	Centrex Tax & Misc - CenturyLink	\$	60,000	\$	54,233	
JR03	Centrex Fed End User - CenturyLink	\$	110,000	\$	83,288	
JR04	T1 Terminations/Plexar Tie Lines	\$	44,961	\$	42,245	
JR05	Dedicated Long Distance Usage	\$	609,422	\$	60,000	
JR06	Plexar Lines - AT&T	\$	521,586	\$	476,570	
JR07	Plexar VFG Trunks - AT&T	\$	1,666,666	\$	1,635,765	
JR08	Plex Fed End User 9ZR - AT&T	\$	321,006	\$	308,022	
JR09	Plex Fed End Eucl Credit - AT&T	\$	(254,444)	\$	(235,890	
JR10	Plexar Miscellaneous - AT&T	\$	200,708	\$	189,862	
JR13	Centrex Pass-Through - CenturyLink	\$	295,000	\$	293,782	
JR14	Toll-Free Service Pass-Through	\$	80,000	\$	65,638	
JR16	Plexar Pass-Through - AT&T	\$	86,779	\$	82,372	
JR17	Business Line/Local Broadband	¢ ¢	2,994,265	\$	3,179,65	
JR18	Toll Usage	\$ \$ \$	803	\$	97	
JR19	Directory Assistance	¢	1,097	\$	79:	
JR21	Toll-Free Termination Charges - AT&T	\$	6,000	\$	75.	
JR21	_	ې د	378		- 378	
JR22 JR25	Jeff City Music On Hold Circuit	ې د	835	\$		
	SMDR - AT&T	ې د		\$	648	
JR26	ARS Package - AT&T	\$ ¢	1,853	\$	1,74	
JR27	Satellite Services	\$ \$ \$ \$ \$	308,228	\$	424,364	
JR28	Contract Long Distance Service		967,755	\$	1,175,98	
JR30	Data Circuits	\$	650,000	\$	1,778,442	
JR34	LD Terminations (Plexar) - AT&T	\$	47,532	\$	-	
JR37	ISDN-PRI	\$	1,035,659	\$	1,045,583	
JR38	Tolls on Centrex Inv	\$	2,204	\$	4,723	
JR39	Voice Grade Circuits	\$	21,629	\$	20,638	
JR41	Wireless Services	\$	6,640,000	\$	7,730,980	
JR45	Toll Free Usage	\$	2,700,000	\$	3,299,233	
JR46	MPLS	\$	2,944,170	\$	2,560,52	
JR47	International Usage	\$	12,000	\$	12,92	
JR49	Adobe Connect	\$	30,500	\$	30,500	
JR50	Subscription Voice Mail	\$	150	\$	-	
JR51	Conference Call Services	\$	26,071	\$	17,22	
JR52	Network Directory Listing	\$	15,000	\$	1,68	
JR53	Ethernet	\$	4,000,000	\$	3,483,71	
JT40	Voice Mail Maintenance	\$	1,414	\$	-	
JU04	Core UC Structure	\$	431,233	\$	186,264	
JU05	Maintenance on Core Structure	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,475,711	\$	1,736,16	
300L	PSTN Trunks	\$	1,000,000	\$	23,593	
JU10	Client License	\$	15,000	\$	7,100	
JU15	UC LD Circuits	\$	20,000	\$	-	
JU23	Call Center	\$	242,517	\$	185,028	
JU26	SIP Trunking	\$	-	\$	800,000	
JW01	WAN Hardware/Software		-	\$	4,602,973	
	Total Expense & Equipment	\$ \$	31,243,797	\$	37,258,052	

Genera	I Support (Indirect) Expense and Equipment	FY19		 FY20	
JT02	In State Mileage	\$	1,550	\$ 2,800	
JT03	In State Lodging	\$	3,500	\$ 6,300	
JT04	In State Meals	\$	550	\$ 990	
JT05	In State Other	\$	250	\$ 450	
JT07	Commerical Trans.	\$	1,000	\$ 4,108	
JT08	Out State Lodging	\$	5,500	\$ 15,000	
JT09	Out State Meals	\$	1,000	\$ 2,000	
JT10	Out State Other	\$	775	\$ 1,400	
JT12	Postage	\$	2,500	\$ 2,500	
JT13	Subscriptions	\$	8,000	\$ 8,000	
JT14	Other Admin Supplies	\$	350	\$ 630	
JT17	Memberships	\$	4,500	\$ 4,500	
JT18	Training	\$	13,000	\$ 24,000	
JT20	Telcom Supplies	\$	300	\$ 540	
JT21	Telcom Charges	\$	19,957	\$ 35,923	
JT22	Internet	\$	55	\$ 4,859	
JT28	SDC charges	\$	40,000	\$ 75,000	
JT31	Software Maintenance-Calero	\$	75,000	\$ 40,000	
JT34	Desktop Computer Equip.	\$	7,200	\$ 13,000	
JT35	Software	\$	20,000	\$ 25,000	
Subtota	al General Support (Indirect)	\$	218,487	\$ 287,000	
Total E	&E Budget	\$	31,462,284	\$ 37,545,051	
Total B	udget	\$	33,730,036	\$ 41,649,829	

Summary and Category Budgets

Summary Budget

Expenses	Bu	dget Amount FY19	Budget Amount FY20		
Personal Service	\$	1,563,967	\$	2,830,881	
Fringe Benefits	\$	703,785	\$	1,273,897	
Expense & Equipment	\$	31,462,284	\$	37,545,051	
Total	\$	33,730,036	\$	41,649,829	

Budget by Category

Centrex Access

Annual Estimated Utilization: Number of Lines:

			58,800		52,440
Direct A	Ilocation - Expense and Equipment	Duy	daat Amount	Pur	lget Amount
ltem	Description	Budget Amount FY19		But	FY20
JR01	Centrex Lines - CenturyLink	\$	750,000	\$	681,605
JR02	Centrex Tax & Misc - CenturyLink	\$	60,000	\$	54,233
JR03	Centrex Fed End User - CenturyLink	\$ \$	110,000	\$	83,288
JR22	Jeff City Music On Hold Circuit	\$	378	\$	378
Subtota	l Expense and Equipment	\$	920,378	\$	819,503
Direct Personnel		\$	69,445	\$	86,748
Total Di	rect Allocation	\$	989,823	\$	906,251
Indirect	Costs Allocated	\$ \$ \$	27,456	\$	28,952
Total Co	ollectable Costs	\$	1,017,279	\$	935,203
Collecta	ble Costs / Utilization = Monthly Access Line Cost				
	<u>\$935,203</u> 52,440	\$	17.30	\$	17.83
	Additional Centrex Charges:				
	FEDERAL UNIVERSAL FUND*	\$	0.50	\$	0.50
	MISSOURI UNIVERSAL FUND*	\$	0.03	\$	0.03
	TOTAL	\$	17.83	\$	18.36

Long Distance

Annual Estimated Utilization (in minutes):

/ initiaan			35,033,010		46,800,000
Direct A	Allocation - Expense and Equipment				
Item	Description	Bud	lget Amount	Bu	dget Amount
			FY19		FY20
JR04	T1 Terminations (Dlavar Tic Lines	ć	44.061	ć	42 245
	T1 Terminations/Plexar Tie Lines	\$	44,961	\$	42,245
JR05	Dedicated Long Distance Usage	\$	609,422	\$	60,000
JR07	Plexar VFG Trunks - AT&T	\$	1,000,000	\$	981,459
JR25	SMDR - AT&T	\$	835	\$	648
JR26	ARS Package - AT&T	\$	1,853	\$	1,741
JR28	Contract Long Distance Service	\$	967,755	\$	1,175,986
JR34	LD Terminations (Plexar) - AT&T	\$	47,532	\$	-
JR52	Network Directory Listing	\$	15,000	\$	1,686
JU15	UC LD Circuits	\$ \$ \$	20,000	\$	-
	Subtotal Expense and Equipment	\$	2,707,358	\$	2,263,766
	Direct Personnel	\$	110,403	\$	41,832
	Total Direct Allocation	\$	2,817,761	\$	2,305,597
	Indirect Costs Allocated		78,160	\$	73,657
	Total Collectable Costs	\$ \$	2,895,921	\$	2,379,254
Collecta	able Costs / Utilization = State Long Distance Cost	Per Minute			
	\$2,379,254 46,800,000	\$	0.0827	\$	0.051

Plexar Access

Annual Estimated Utilization

Numbe	r of Lines:				
			43,000		37,992
Direct A	Illocation - Expense and Equipment	Buz	daat Amount	Du	daat Amount
		вис	dget Amount	ви	dget Amount
Item	Description	FY19			FY20
JR06	Plexar Lines - AT&T	\$	521,586	\$	476,570
JR07	Plexar VFG Trunks - AT&T	\$	666,666	\$	654,306
JR08	Plex Fed End User 9ZR - AT&T	\$	321,006	\$	308,021
JR09	Plex Fed End Eucl Credit - AT&T	\$ \$	(254,444)	\$	(235,890)
JR10	Plexar Miscellaneous - AT&T	\$	200,708	\$	189,862
	Subtotal Expense and Equipment	\$	1,455,522	\$	1,392,870
	Direct Personnel	\$	49,167	\$	49,743
	Total Direct Allocation	\$	1,504,689	\$	1,442,613
	Indirect Costs Allocated	\$ \$	41,737	\$	46,087
	Total Collectable Costs	\$	1,546,427	\$	1,488,700
Collecta	able Costs /Number of Lines = Monthly Access Line Cost				
	\$1,488,700 37,992	\$	35.96	\$	39.18
Additio	nal Plexar Charges:*				
	EDERAL UNIVERSAL FUND*	\$	0.11	\$	0.11
	SSOURI UNIVERSAL FUND*	\$	0.04	\$	0.04
	TOTAL	\$	36.11	\$	39.33

Plexar Pricing Policy:

- Lines added after the beginning of the fiscal year will be at cost plus an admin fee if cost is greater than CAP until the next annual CAP is developed.

- Customers pay all install charges.

- The Plex Fed End User Eucl Credit (JR09) is the cost of a Plex Fed End User (JR08) times the number of installed stations.

Data and Voice Passthrough

Annual Estimated Utilization
Actual Costs

13,030,176 \$ 13,008,946

\$

Estimated Cost:

Direct Allocation - Expense and Equipment

Item	Description	Budget AmountDescriptionFY19		Budget Amount FY20	
JR13	Centrex Pass-Through - CenturyLink	\$	295,000	\$	293,781
JR14	Toll-Free Service Pass-Through	\$	80,000	\$	65,638
JR16	Plexar Pass-Through - AT&T	\$ \$ \$ \$	86,779	\$	82,372
JR17	Business Line/Local Broadband	\$	2,994,265	\$	3,179,653
JR18	Toll Usage	\$	803	\$	979
JR19	Directory Assistance	\$	1,097	\$	791
JR27	Satellite Services	\$	308,228	\$	424,364
JR30	Data Circuits	\$	650,000	\$	1,778,442
JR37	ISDN-PRI	\$	1,035,659	\$	1,045,583
JR38	Tolls on Centrex Inv	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,204	\$	4,721
JR39	Voice Grade Circuits	\$	21,629	\$	20,638
JR46	MPLS	\$	2,944,170	\$	2,560,524
JR47	International Usage	\$	12,000	\$	12,927
JR49	Adobe Connect	\$	30,500	\$	30,500
JR50	Subscription Voice Mail	\$	150	\$	-
JR51	Conference Call Services	\$	26,071	\$	17,223
JR53	Ethernet	\$	4,000,000	\$	3,483,711
JU10	Client License	\$	15,000	\$	7,100
JU08	UCCE Queue Trunking	\$	50,000	\$	-
	Subtotal Expense and Equipment	\$	12,553,554	\$	13,008,946
	Direct Personnel	\$	124,943	\$	229,710
	Total Direct Allocation	\$ \$ \$ \$	12,678,497	\$	13,238,656
	Indirect Costs Allocated	\$	351,679	\$	422,934
	Total Allocated Costs	\$	13,030,176	\$	13,661,590
	Total Collectable Costs	\$	13,030,176	\$	13,661,590

Rate Calculation:

(Total Collectable Costs - Direct Costs)/Direct Costs = Administrative Percentage

\$13,661,590	-\$13,008,946	3.80%	5.02%
\$13,008	8,946		

Toll-Free Service

Annual Estimated Utilization Number of minutes:

			62,525,851		76,370,000
ltem	Description	Budget Amount FY19		Budget Amount FY20	
JR21	Toll-Free Termination Charges - AT&T	\$	6,000	\$	-
JR45	Toll Free Usage	\$	2,700,000	\$	3,299,233
	Subtotal Expense and Equipment	\$	2,706,000	\$	3,299,233
	Direct Personnel	\$	63,302	\$	28,000
	Total Direct Allocation	\$	2,769,302	\$	3,327,233
	Indirect Costs Allocated	\$	76,816	\$	106,295
	Total Allocated Costs	\$	2,846,117	\$	3,433,528
Rate Ca	lculation:				
Allocate	ed Costs / Utilization = Per-Minute Cost				
	\$3,433,528 76,370,000	\$	0.0455	\$	0.0450

Voice Mail

Annual Estimated Utilization Number of mailboxes:				
		11,892		8,160
Item Description	Budg	get Amount FY19	Budg	get Amount FY20
JT40 Voice Mail Maintenance	\$	1,414	\$	-
JU26 SIP Trunking	\$ \$ \$	-	\$	19,200
JU08 PSTN Trunks	\$	24,000	\$	-
Subtotal Expense and Equipment	\$	25,414	\$	19,200
Direct Personnel	\$	39,258	\$	29,715
Total Direct Allocation	\$	64,672	\$	48,915
Indirect Costs Allocated	\$ \$ \$	1,794	\$	1,563
Total Allocated Costs	\$	66,465	\$	50,478
Total Collectable Costs	\$	66,465	\$	50,478
Rate Calculation:				
Collectable Costs / Number of Mailboxes = Rate per Mailbox \$50,478 8,160	\$	5.59	\$	6.19

Internet

stimated Cost:			604,248		604,248
Item Des	cription	Bud	get Amount FY19	Bud	get Amount FY20
JI71 Equipmen	t and Maintenance	\$	258,352	\$	280,352
JI72 State Net	vork Charges	\$ \$ \$	136,984	\$	159,852
JI73 MoreNet	Charges	\$	155,473	\$	155,473
Total Direc	t Expenses	\$	550,809	\$	595,676
Direct Pers	onnel	\$	168,933	\$	96,985
Total Direc	t Allocation	\$ \$ \$ \$	719,742	\$	692,661
Total Indire	ect Expenses	\$	19,964	\$	22,128
Total Alloc	ated Costs	\$	739,706	\$	714,789
Rate Calculation:					
Allocated Costs /Nu	mber of Accounts = Per-Account Cost				
	\$714,789	\$	1.22	\$	1.18

604,248

Network Core

Annual Estimated Utilization Number of accounts:

			2,806,634		2,806,634
ltem	Description	Bud	get Amount FY19	Bud	get Amount FY20
J901	Hardware and Software Maintenance	\$	603,301	\$	610,301
J911	Wiring and General Services	\$	6,000	\$	2,754
	Subtotal Expense and Equipment:	\$	609,301	\$	613,056
	Direct Personnel	\$	108,575	\$	37,734
	Total Direct Allocation	\$	717,877	\$	650,789
	Indirect Costs Allocated	\$	19,913	\$	20,791
	Total Allocated Costs	\$	737,789	\$	671,580
Allocate	ed Costs /Number of Accounts = Per-Account Cost	\$	0.26	\$	0.24

Refer to rate schedule for billing information by agency.

Cellular/(Wireless)

Annual	Estimated Utilization Actual Costs	\$	6,954,746	\$	7,730,980
ltem	Description	Buo	dget Amount FY19	Bu	dget Amount FY20
JR41	Wireless Services	\$	6,640,000	\$	7,730,980
	Subtotal Expense and Equipment:	\$	6,640,000	\$	7,730,980
	Direct Personnel	\$	127,040	\$	171,699
	Total Direct Allocation	\$	6,767,040	\$	7,902,679
	Indirect Costs Allocated	\$	187,706	\$	252,466
	Total Allocated Costs	\$	6,954,746	\$	8,155,145
Rate Ca	lculation:				
(Total C	Collectable Costs - Direct Costs)/Direct Costs = Administr \$8,155,145 -\$7,730,980 \$7,730,980	ative Percenta	ge 4.74%		5.49%

Unified Communications

		Buc	lget Amount	Buo	dget Amount
Item	Description		FY19		FY20
JU04	Core UC Structure	\$	431,233	\$	186,26
JU05	Maintenance on Core Structure	\$	1,475,711	\$	1,736,16
JU08	PSTN Trunks	\$	953,000	\$	23,59
JU26	SIP Trunking	\$	-	\$	374,40
9	Subtotal Expense and Equipment:	\$	2,859,944	\$	2,320,42
I	Direct Personnel	\$	702,376	\$	814,12
-	Total Direct Allocation	\$	3,562,320	\$	3,134,54
I	ndirect Costs Allocated	\$	98,812	\$	100,13
-	Total Allocated Costs	\$	3,661,132	\$	3,234,68
Rate Calc	ulation:				
Total Coll	ectable Costs / Utilization = Per unit Rate				

287,364

Unified Communications Call Queue

Annual Estimated Utilization

Direct Allocation - Expense and Equipment

ltem	Description	-	t Amount Y19	Budget Amount FY20		
JU26 SIP	Trunking	\$	-	\$	406,400	
Subt	total Expense and Equipment:	\$	-	\$	406,400	
Tota Indir	ct Personnel al Direct Allocation rect Costs Allocated al Allocated Costs	\$ \$ \$	- - \$0 -	\$ \$ \$ \$	- 406,400 12,983 419,383	
Rate Calculat	ion:					
Total Collecta	able Costs / Utilization = Per unit Rate \$419,383 17,352	\$	38.050	\$	24.17	

16,560

17,352

Unified Communications Call Center

Annual Estimated Utilization

Item	Description	Bud	get Amount FY19	Budget Amount FY20		
JU23	Call Center	\$	242,517	\$	185,028	
:	Subtotal Expense and Equipment:	\$	242,517	\$	185,028	
	Direct Personnel	\$	-	\$	-	
-	Total Direct Allocation	\$	242,517	\$	185,028	
	Indirect Costs Allocated	\$	6,727	\$	5,911	
	Total Allocated Costs	\$	249,244	\$	190,939	
Rate Calc	culation:					
Fotal Col	lectable Costs / Utilization = Per unit Rate					
	\$190,939	\$	12.87	\$	8.84	

19,368

WAN

Annual Estimated Utilization Number:

640,596

9.75

\$

21,600

Estimated Cost: **Direct Allocation - Expense and Equipment**

ltem	Description	Budget	Budget Amount FY20		
JW01	WAN Hardware/Software	\$	-	\$	4,602,973
	Subtotal Expense and Equipment	\$	-	\$	4,602,973
	Direct Personnel	\$	-	\$	1,448,300
	Total Direct Allocation	\$	-	\$	6,051,273
	Indirect Costs Allocated	\$	-	\$	193,319
	Total Allocated Costs	\$	-	\$	6,244,592
Rate Ca	lculation:				

Collectable Costs / Number = Rate \$ 6,244,592 640,596

Enterprise Fax Service:

Annual Estimated Utilization		
Number:	3,181,890	3,909,000

Estimated Cost:

Direct Allocation - Expense and Equipment

Item	Description	Budg	get Amount FY19	Bu	dget Amount FY20
457	DistSys Biscom Software Maintenance	\$	22,000	\$	45,726
879	Biscom Tools, Utilities, Training	\$	2,500	\$	2,500
JF01	Data Center Cost	\$	8,832	\$	8,832
JF02	Depreciation	\$	9,900	\$	11,000
	Subtotal Expense and Equipment	\$	33,332	\$	68,058
	Direct Personnel	\$	65,400	\$	65,690
	Total Direct Allocation	\$	98,732	\$	133,748
	Indirect Costs Allocated	\$	7,836	\$	4,273
	Total Allocated Costs	\$	106,568	\$	138,021
Rate Ca	lculation:				
Collecta	able Costs / Number = Rate \$ 138,021 3,909,000		\$0.04	\$	0.04

Rate History

CAP Rates		FY17	FY18	FY19	FY20	
Centrex Access	\$	18.63	\$ 18.10	\$ 17.30	\$	17.83
Long Distance	\$	0.082	\$ 0.085	\$ 0.083	\$	0.05
Plexar Access	\$	24.78	\$ 35.67	\$ 35.96	\$	39.18
Voice Mail	\$	2.47	\$ 3.83	\$ 5.59	\$	6.19
Pass-Through Telephone/Data Service		3.80%	3.80%	3.80%		5.02%
Toll-Free	\$	0.043	\$ 0.049	\$ 0.046	\$	0.045
Internet	\$	1.18	\$ 1.47	\$ 1.22	\$	1.18
Network Core	\$	0.23	\$ 0.26	\$ 0.26	\$	0.24
Wireless		3.77%	4.74%	4.74%		5.49%
Unified Communications	\$	19.56	\$ 13.40	\$ 12.50	\$	11.26
Unified Communications-Call Center	\$	3.04	\$ 10.32	\$ 12.87	\$	8.84
Unified Communications Call Queue					\$	24.17
WAN					\$	9.75
Fax					\$	0.04
ISDN Calls	\$	0.13	\$ 0.13	\$ 0.13	\$	0.13
Directory Assistance	+					
Intrastate	\$	1.99	\$ 1.99	\$ 1.99	\$	1.99
Interstate	\$	1.99	\$ 1.99	\$ 1.99	\$	1.99
Toll						
Conference Calls						
Progressive	\$	10.00	\$ 10.00	\$ 10.00	\$	10.00
Meet-Me	\$	5.00	\$ 5.00	\$ 5.00	\$	5.00

* NOTE: Charges may apply if a scheduled conference is canceled without adequate advance notice.

EV20 Network 8 Internet			serv	vice fa	acto	ſS				Internet		
FY20 Network & Internet					Net		Sub		Core	1.18		
	Core	ВC	FW	VPN	M	≶	То		Lesser of FTE	Core	Monthly	Monthly
	ře		<	ž	Mgmt	WLAN	Total		or AD	Multiplier	Network Core	Internet
					-	~						
AGENCY							_					
Agriculture	1			1		1	6	1	372	2,235	535	441
Attorney General's Office	1	-	-	0		0			342	342	82	404
Conservation	1			0		0	_		1,628	1,628	389	1,925
Corrections	1			1	1	1		1	- /	62,184	14,880	12,260
DED - PSC	1	-	-	0		0			178	178	43	211
DESE	1	-		1	1	1	6	1		5,030	1,204	992
DESE - Voc Rehab	1			1	_	1	6	1		2,826	676	557
DED - Div of Energy	1		1	1	1	1	6	1	31	189	45	37
DPS - Adjutant General	1		1	1		1	6	1	381	2,289	548	451
DPS - Capitol Police DPS - Director's Office	1		1	1	1	1	6 6	1	31	186 699	45 167	37
	1	-	1	1		1	6	1	117	408	98	138 80
DPS - Fire Safety DPS - SEMA	1			1		1	6	1	68	630	98 151	124
	1	-		1		1	6	1	105		813	
Economic Development Ethics Commission	1			0		1	6 4	T	566 24	3,397 95	23	670 28
Gaming Commission	1	-		0	_	0			109	109	23	129
Governor's Office	1		-	1	1	1	6		28	109	40	33
Health and Senior Services	1	-		1		1	6	1	_	10,381	2,484	2,047
Higher Education	1	1	1	1	1	1	6	1	53	316	76	62
House	1	0		0	_	0		1	428	428	102	506
Insurance	1	1	1	1	1	1	6	1		1,103	264	218
Insurance - Credit Union	1		1	1	1	1	6	1	7	42	10	8
Insurance - Finance	1	-	1	1	1	1	6	1	-	609	146	120
Insurance - Pro Reg	1			1	1	1	6	1	_	1,402	336	276
Labor & Industrial Relations	1	-		1	1	1	6	1		3,917	937	772
Legislative Research	1			0		0		-	20	20	557	24
Lottery Commission	1	-	-	0	_	0			150	150	36	177
Lt. Governor's Office	1		-	1	1	1	6		7	45	11	9
Mental Health	1	-		1	1	1		1	7,315	43,892	10,503	8,654
MSHP	1	0	0	0	0	0	1		2,539	2,539	607	3,003
MO VET BLOOMFIELD	1	1	1	1	1	1	6	1		48	11	9
MO VET CAMERON	1	1	1	1	1	1	6	1	143	858	205	169
MO VET CAPE GIRARDEAU	1	1	1	1	1	1	6	1	93	558	134	110
MO VET COM	1	1	1	1	1	1	6	1	78	468	112	92
MO VET FT L WOOD	1	1	1	1	1	1	6	1	7	42	10	8
MO VET HIGGINSVILLE	1	1	1	1	1	1	6	1	8	48	11	9
MO VET JACKSONVILLE	1	1	1	1	1	1	6	1	5	30	7	6
MO VET MEXICO	1	1	1	1	1	1	6	1	91	546	131	108
MO VET MT VERNON	1	1	1	1	1	1	6	1	131	786	188	155
MO VET SPRINGFIELD	1	1	1	1	1	1	6	1	10	60	14	12
MO VET ST JAMES	1	1	1	1	1	1	6	1	96	576	138	114
MO VET ST LOUIS	1	1	1	1	1	1	6	1	279	1,674	401	330
MO VET WARRENSBURG	1	1	1	1	1	1	6	1	149	894	214	176
Natural Resources	1	1	1	1	1	1	6	1	1,354	8,124	1,944	1,602
OA	1	1	1	1	1	1	6	1	803	4,818	1,153	950
OA-ITSD	1	1	1	1	1	1	6	1	950	5,697	1,363	1,123
Public Defenders	1	0	0	0	0	0			594	594	142	702
Revenue	1			1	_	1	-	1	1,097	6,580	1,575	1,297
Secretary of State	1		-	0		0	_		211	422	101	250
Senate	1	-		0		0	_		204	204	49	242
Social Services	1		_	1		1	6	1	6,568	39,409	9,430	7,770
State Auditor's Office	1			0		1	3		110	329	79	130
State Courts Administrator	1	-		0		0	-		3,025	3,025	724	3,579
State Treasurer's Office	1			0		1	-		43	213	51	50
Transportation	1	_	-	0		0	_		5,224	10,448	2,500	6,180
TOTAL	. 55	42	42	39	41	42	261	37	50,354	233,886	55 <i>,</i> 965	59 <i>,</i> 566