

Exhibit 1-1

TRS Data					STS Data					combined TRS + STS Rate		
rate	Conversation Minutes	Session Minutes	session or conversation	revenue	rate	Conversation Minutes	Session Minutes	session or conversation	revenue	Conversation Minutes	revenue	
\$ -	57,063.00	89,309.00	s	\$ -	\$ -		5.00	s	\$ -	57,063.00	\$ -	
\$ -	29,489.00	46,210.00	s	\$ -	\$ -	-	10.00	s	\$ -	29,489.00	\$ -	
\$ -	4,518.00	19,886.00	s	\$ -	\$ -	2.00	103.00	s	\$ -	4,520.00	\$ -	
\$ -	297,488.00	435,768.00	s	\$ -	\$ -	6,495.00	11,896.00	s	\$ -	303,983.00	\$ -	
\$ -	108,286.00	186,970.00	s	\$ -	\$ -	10,489.00	25,233.00	s	\$ -	118,775.00	\$ -	
\$ -	9,144.00	16,894.00	s	\$ -	\$ -	5.00	16.00	s	\$ -	9,149.00	\$ -	
\$ -	19,746.00	34,627.00	s	\$ -	\$ -	-	179.00	s	\$ -	19,746.00	\$ -	
\$ -	69,480.00	113,045.00	s	\$ -	\$ -	7,357.59	15,517.44	s	\$ -	76,837.59	\$ -	
\$ 0.80	102,367.00	191,968.00	s	\$ 153,574.40	\$ 0.80	346.00	594.00	s	\$ 475.20	102,713.00	\$ 154,049.60	
\$ 0.89	23,698.00	40,293.00	s	\$ 35,860.77	\$ 0.89	982.00	1,312.00	s	\$ 1,167.68	24,680.00	\$ 37,028.45	
\$ 0.97	176,024.00	317,853.00	s	\$ 308,317.41	\$ 0.97	8,564.00	17,532.00	s	\$ 17,006.04	184,588.00	\$ 325,323.45	
\$ 1.05	19,240.00	36,377.00	s	\$ 38,195.85	\$ 1.05	1,072.00	1,464.00	s	\$ 1,537.20	20,312.00	\$ 39,733.05	
\$ 1.05	4,530.00	9,076.00	s	\$ 9,529.80	\$ 1.05	30.00	65.00	s	\$ 68.25	4,560.00	\$ 9,598.05	
\$ 1.07	70,414.00	114,555.00	s	\$ 122,573.85	\$ 1.07		14.00	s	\$ 14.98	70,414.00	\$ 122,588.83	
\$ 1.09	504,424.00	1,141,277.00	s	\$ 1,243,991.93	\$ 1.09	14,297.00	23,436.00	s	\$ 25,545.24	518,721.00	\$ 1,269,537.17	
\$ 1.19	10,890.00	26,963.00	s	\$ 32,085.97	\$ 1.19	4.00	30.00	s	\$ 35.70	10,894.00	\$ 32,121.67	
\$ 1.20	9,044.00	16,519.00	s	\$ 19,822.80	\$ 1.20	11.00	52.00	s	\$ 62.40	9,055.00	\$ 19,885.20	
\$ 1.21	44,052.00	74,645.00	s	\$ 90,320.45	\$ 1.21	1,885.00	4,193.00	s	\$ 5,073.53	45,937.00	\$ 95,393.98	
\$ 1.25	61,789.00	179,219.00	s	\$ 224,023.75	\$ 1.25	483.00	817.00	s	\$ 1,021.25	62,272.00	\$ 225,045.00	
\$ 1.25	10,100.00	16,434.00	s	\$ 20,542.50	\$ 1.25	265.00	442.00	s	\$ 552.50	10,365.00	\$ 21,095.00	
\$ 1.25	12,291.00	41,716.00	s	\$ 52,145.00	\$ 1.25	1.00	22.00	s	\$ 27.50	12,292.00	\$ 52,172.50	
\$ 1.30	20,247.00	39,317.00	s	\$ 51,112.10	\$ 1.30	47.00	216.00	s	\$ 280.80	20,294.00	\$ 51,392.90	
\$ 1.31	9,248.00	16,704.00	s	\$ 21,882.24	\$ 1.31	278.00	546.00	s	\$ 715.26	9,526.00	\$ 22,597.50	
\$ 1.32	31,213.00	46,293.00	c	\$ 41,201.16	\$ 1.32	879.00	1,599.00	c	\$ 1,160.28	32,092.00	\$ 42,361.44	
\$ 1.33	77,427.00	142,030.00	c	\$ 102,977.91	\$ 1.33	3,577.00	8,848.00	c	\$ 4,757.41	81,004.00	\$ 107,735.32	
\$ 1.37	76,187.00	159,719.00	s	\$ 218,815.03	\$ 1.37	4,379.00	15,961.00	s	\$ 21,866.57	80,566.00	\$ 240,681.60	
\$ 1.40	288,639.00	574,137.00	c	\$ 404,094.60	\$ 1.40	4,878.00	13,487.00	c	\$ 6,829.20	293,517.00	\$ 410,923.80	
\$ 1.42	19,662.00	39,795.00	s	\$ 56,508.90	\$ 1.42	15.00	37.00	s	\$ 52.54	19,677.00	\$ 56,561.44	
\$ 1.44	9,404.00	18,384.00	c	\$ 13,541.76	\$ 1.44	20.00	145.00	c	\$ 28.80	9,424.00	\$ 13,570.56	
\$ 1.51	24,777.00	52,561.00	c	\$ 37,413.27	\$ 1.51	849.00	3,845.00	c	\$ 1,281.99	25,626.00	\$ 38,695.26	
\$ 1.54	20,983.00	39,418.00	s	\$ 60,703.72	\$ 1.54	80.00	224.00	s	\$ 344.96	21,063.00	\$ 61,048.68	
\$ 1.60	87,664.00	150,507.00	s	\$ 240,811.20	\$ 1.60	7.00	326.00	s	\$ 521.60	87,671.00	\$ 241,332.80	
\$ 1.64	11,891.00	22,800.00	s	\$ 37,392.00	\$ 1.64	140.00	289.00	s	\$ 473.96	12,031.00	\$ 37,865.96	
\$ 1.65	35,830.00	76,794.00	c	\$ 59,119.50	\$ 1.65	23.00	68.00	c	\$ 37.95	35,853.00	\$ 59,157.45	
\$ 1.72	139,971.00	261,166.00	s	\$ 449,205.52	\$ 1.72	451.00	902.00	s	\$ 1,551.44	140,422.00	\$ 450,756.96	
\$ 1.78	60,938.00	109,148.00	s	\$ 194,283.44	\$ 1.78	1.00	54.00	s	\$ 96.12	60,939.00	\$ 194,379.56	
\$ 1.78	140,359.00	215,214.00	c	\$ 249,839.02	\$ 1.78	25,152.00	48,000.00	c	\$ 44,770.56	165,511.00	\$ 294,609.58	
\$ 1.81	50,251.00	87,397.00	c	\$ 90,954.31	\$ 1.81	5.00	71.00	c	\$ 9.05	50,256.00	\$ 90,963.36	
\$ 1.82	96,859.00	175,998.00	c	\$ 176,283.38	\$ 1.82	10,403.00	18,123.00	c	\$ 18,933.46	107,262.00	\$ 195,216.84	
\$ 1.84	21,660.66	37,225.00	s	\$ 68,494.00	\$ 1.84	111.60	240.00	s	\$ 441.60	21,772.26	\$ 68,935.60	
\$ 1.85	265,257.62	438,095.00	s	\$ 810,475.75	\$ 1.85	564.96	1,189.00	s	\$ 2,199.65	265,822.58	\$ 812,675.40	
\$ 1.88	57,916.00	131,806.00	s	\$ 247,795.28	\$ 1.88	2,905.00	3,918.00	s	\$ 7,365.84	60,821.00	\$ 255,161.12	
\$ 1.88	27,166.00	56,211.00	c	\$ 51,072.08	\$ 1.88	135.00	267.00	c	\$ 253.80	27,301.00	\$ 51,325.88	
\$ 1.88	17,431.89	29,578.00	s	\$ 55,606.64	\$ 1.88	11.10	38.00	s	\$ 71.44	17,442.99	\$ 55,678.08	

Exhibit 1-1

\$ 1.90	49,358.00	83,818.00	s	\$ 159,254.20		\$ -	-	-		\$ -		49,358.00	\$ 159,254.20
\$ 1.91	185,373.00	334,699.00	s	\$ 639,275.09		\$ 1.91	4,271.00	6,445.00	s	\$ 12,309.95		189,644.00	\$ 651,585.04
\$ 1.95	24,810.00	38,073.00	s	\$ 74,242.35		\$ 1.95	39.00	166.00	s	\$ 323.70		24,849.00	\$ 74,566.05
\$ 1.95	16,523.00	27,918.00	s	\$ 54,440.10		\$ 1.95	39.00	99.00	s	\$ 193.05		16,562.00	\$ 54,633.15
\$ 1.96	3,391.01	6,390.00	s	\$ 12,524.40		\$ 1.96	0.01	2.73	s	\$ 0.02		3,391.02	\$ 12,524.42
\$ 2.00	11,895.00	21,986.00	s	\$ 43,972.00		\$ 2.00	8.00	33.00	s	\$ 66.00		11,903.00	\$ 44,038.00
\$ 2.05	12,220.00	68,912.00	s	\$ 141,269.60		\$ 2.05	-	186.00	s	\$ 381.30		12,220.00	\$ 141,650.90
\$ 2.07	95,345.00	216,662.00	c	\$ 197,364.15		\$ 2.07	283.00	819.00	c	\$ 585.81		95,628.00	\$ 197,949.96
\$ 2.08	266,752.00	535,819.00	c	\$ 554,844.16		\$ 2.08	4,702.00	10,609.00	c	\$ 9,780.16		271,454.00	\$ 564,624.32
\$ 2.09	10,844.34	25,399.00	s	\$ 53,083.91		\$ 2.09	2.06	23.11	s	\$ 4.31		10,846.40	\$ 53,088.22
\$ 2.10	62,530.54	94,370.64	s	\$ 198,178.34		\$ 2.10	465.81	637.39	s	\$ 1,338.52		62,996.35	\$ 199,516.86
\$ 2.15	10,986.00	20,507.00	s	\$ 44,090.05		\$ 2.15	37.00	162.00	s	\$ 348.30		11,023.00	\$ 44,438.35
\$ 2.16	56,493.63	86,049.37	s	\$ 185,866.64		\$ 2.16	5.44	10.12	s	\$ 21.86		56,499.07	\$ 185,888.50
\$ 2.25	3,395.05	6,002.90	c	\$ 7,638.86		\$ 2.25	37.97	67.78	c	\$ 85.43		3,433.02	\$ 7,724.30
\$ 2.33	896,854.23	1,562,483.58	c	\$ 2,089,670.36		\$ 3.57	85,738.68	166,889.54	s	\$ 595,795.66		982,592.91	\$ 2,685,466.01
\$ 2.35	137,162.22	251,500.00	s	\$ 591,025.00		\$ 2.35	48,586.78	75,149.00	s	\$ 176,600.15		185,749.00	\$ 767,625.15
\$ 2.37	244,976.00	621,089.00	c	\$ 580,593.12		\$ 2.37	5,045.00	7,431.00	c	\$ 11,956.65		250,021.00	\$ 592,549.77
\$ 2.50	14,757.00	25,552.95	c	\$ 36,892.50		\$ 2.50	0.90	13.89		\$ 2.25		14,757.90	\$ 36,894.75
\$ 2.75	7,267.00	25,935.63	c	\$ 19,984.25		\$ 3.57	1,630.00	3,973.77	c	\$ 5,819.10		8,897.00	\$ 25,803.35
\$ 2.75	57,483.00	99,561.00	c	\$ 158,078.25		\$ -	-	-		\$ -		57,483.00	\$ 158,078.25
\$ 2.80	57,140.98	114,618.57	c	\$ 159,994.74		\$ 2.80	505.27	880.46	c	\$ 1,414.76		57,646.25	\$ 161,409.50
\$ 3.09	108,726.00	201,709.00	c	\$ 335,963.34		\$ 3.09	8,462.00	12,547.00	c	\$ 26,147.58		117,188.00	\$ 362,110.92
\$ 3.17	78,256.39	130,558.04	s	\$ 413,868.99		\$ 3.17	924.90	4,568.00	s	\$ 14,480.56		79,181.29	\$ 428,349.55
\$ 3.24	87,503.12	155,515.08	s	\$ 503,868.86		\$ 3.24	2,657.30	13,038.00	s	\$ 42,243.12		90,160.42	\$ 546,111.98
\$ 3.40	229,041.61	364,608.66	c	\$ 778,741.47		\$ 3.40	32,800.41	47,975.65	c	\$ 111,521.39		261,842.02	\$ 890,262.87
subtotal:	5,964,143.29	11,189,638.42		14,125,292.03			303,441.78	573,051.88		1,178,051.37		6,267,585.07	15,303,343.40
rate				\$ 2.37						\$ 3.88			\$ 2.44
	additional cost												
	paid providers			\$ 5,116,473.81						\$ 7,245.47			\$ 5,123,719.28
	total cost			\$ 19,241,765.84						\$ 1,185,296.84			\$ 20,427,062.68
	Rate			\$ 3.23						\$ 3.91		trs rate	\$ 3.2592
												outreach	\$ 1.1310
												sts rate	\$ 4.3902

Exhibit 1-2

CTS Data

rate	Conversation Minutes	Session Minutes	session or conversation	revenue
\$ 1.59	20,928.00	26,519.00	s	\$ 42,165.21
\$ 1.60	134,105.00	153,760.00	s	\$ 246,016.00
\$ 1.61	128,887.00	151,867.00	s	\$ 244,505.87
\$ 1.63	755,059.00	887,232.00	s	\$ 1,446,188.16
\$ 1.63	59,631.00	66,836.00	s	\$ 108,942.68
\$ 1.64	736,950.00	856,564.00	s	\$ 1,404,764.96
\$ 1.64	412,208.86	474,478.00	s	\$ 778,143.92
\$ 1.65	28,024.00	29,655.00	s	\$ 48,930.75
\$ 1.65	40,697.00	46,472.00	s	\$ 76,678.80
\$ 1.66	32,210.00	38,256.00	s	\$ 63,504.96
\$ 1.66	78,634.00	89,779.00	s	\$ 149,033.14
\$ 1.67	368,934.00	430,977.00	s	\$ 719,731.59
\$ 1.68	23,925.00	28,025.00	s	\$ 47,082.00
\$ 1.69	557,492.00	646,692.00	s	\$ 1,092,909.48
\$ 1.69	550,458.00	644,222.00	s	\$ 1,088,735.18
\$ 1.69	391,449.19	453,621.00	s	\$ 766,619.49
\$ 1.69	430,627.00	514,454.00	s	\$ 869,427.26
\$ 1.69	34,071.00	41,200.00	s	\$ 69,628.00
\$ 1.70	10,514.00	13,652.00	s	\$ 23,208.40
\$ 1.70	31,232.00	37,951.00	s	\$ 64,516.70
\$ 1.71	2,234.00	3,135.00	s	\$ 5,360.85
\$ 1.71	63,406.00	72,543.00	s	\$ 124,048.53
\$ 1.72	238,615.00	282,280.00	s	\$ 485,521.60
\$ 1.72	217,799.00	248,838.00	s	\$ 428,001.36
\$ 1.73	153,775.00	176,984.00	s	\$ 306,182.32
\$ 1.73	22,180.00	26,399.00	s	\$ 45,670.27
\$ 1.74	962.51	973.00	s	\$ 1,693.02
\$ 1.75	123,948.00	142,684.00	s	\$ 249,697.00
\$ 1.77	44,141.75	52,894.00	s	\$ 93,622.38
\$ 1.77	33,956.00	39,728.00	s	\$ 70,318.56
\$ 1.78	111,804.00	130,610.00	s	\$ 232,485.80
\$ 1.78	23,721.00	29,311.00	s	\$ 52,173.58
\$ 1.78	35,370.00	42,857.00	s	\$ 76,285.46
\$ 1.78	26,093.00	31,398.00	s	\$ 55,888.44
\$ 1.79	546,452.00	639,736.00	c	\$ 978,149.08
\$ 1.80	6,575.30	7,790.36	s	\$ 14,022.65
\$ 1.80	88,356.51	103,706.28	s	\$ 186,671.30
\$ 1.80	109,633.00	130,636.00	s	\$ 235,144.80
\$ 1.80	34,318.32	41,352.00	s	\$ 74,433.60
\$ 1.82	56,387.00	64,995.00	c	\$ 102,624.34
\$ 1.82	41,485.00	49,860.00	c	\$ 75,502.70
\$ 1.83	348,774.29	396,478.42	s	\$ 725,555.51
\$ 1.84	664,439.00	732,067.00	c	\$ 1,222,567.76
\$ 1.85	247,261.32	300,904.30	c	\$ 457,433.44

Exhibit 1-2

\$ 1.85	109,580.00	130,511.00	s	\$ 241,445.35
\$ 1.85	39,302.00	47,071.00	c	\$ 72,708.70
\$ 1.86	167,302.00	187,434.00	c	\$ 311,181.72
\$ 1.86	114,789.50	131,786.00	s	\$ 245,121.96
\$ 1.89	167,453.00	192,435.00	c	\$ 316,486.17
\$ 1.89	586,032.00	673,565.00	c	\$ 1,107,600.48
\$ 1.90	431,749.00	489,854.00	c	\$ 820,323.10
\$ 1.91	106,023.20	122,741.00	s	\$ 234,435.31
\$ 1.91	464,834.00	551,451.00	c	\$ 887,832.94
\$ 1.92	86,805.00	104,280.00	c	\$ 166,665.60
\$ 1.93	56,298.00	67,624.32	c	\$ 108,655.14
\$ 1.94	497,295.00	579,639.00	c	\$ 964,752.30
\$ 1.95	116,986.00	140,743.00	c	\$ 228,122.70
\$ 1.95	285,078.00	330,075.00	c	\$ 555,902.10
\$ 1.97	135,161.56	156,401.00	s	\$ 308,109.97
\$ 1.97	432,369.00	514,358.00	s	\$ 1,013,285.26
\$ 1.97	761,972.00	886,823.00	c	\$ 1,501,084.84
\$ 1.98	48,230.00	55,791.00	c	\$ 95,495.40
\$ 1.99	254,613.00	293,189.00	c	\$ 506,679.87
\$ 2.00	1,441,977.10	1,697,581.32	c	\$ 2,883,954.20
\$ 2.01	48,101.00	56,931.00	c	\$ 96,683.01
\$ 2.04	243,705.00	284,441.00	s	\$ 580,259.64
\$ 2.08	297,499.98	352,667.00	s	\$ 733,547.36
\$ 2.15	141,779.34	173,994.81	s	\$ 374,088.84
\$ 2.22	25,552.00	29,231.39	c	\$ 56,725.44
\$ 2.75	5,043.16	6,776.00	s	\$ 18,634.00
	15,133,252.89	17,637,765.20		\$ 30,079,568.30
				\$ 1.99

additional cost	
paid providers	\$ 197,913.84
total cost	<u>\$ 30,277,482.14</u>
Rate	\$ 2.0007

Exhibit 1-3

IP CTS Reported and Projected Cost and Demand									
Category	As reported in 2012	As reported in 2013	As reported in 2014	As reported in 2015	As reported in 2016	As reported in 2017	As reported in 2018	projected for 2018-19	
	2011	2012	2013	2014	2015	2016	2017	2018	2019
Facilities	\$ 0.0095	\$ 0.0307	\$ 0.0619	\$ 0.0501	\$ 0.0386	\$0.0322	\$ 0.0249	\$ 0.0252	\$ 0.0243
CA Related	\$ 0.0616	\$ 0.2225	\$ 0.3828	\$ 0.2796	\$ 0.2819	\$0.2674	\$ 0.2771	\$ 0.3160	\$ 0.3231
Non-CA Relay									
Center	\$ 0.0326	\$ 0.0670	\$ 0.0620	\$ 0.0601	\$ 0.0559	\$0.0487	\$ 0.0500	\$ 0.0521	\$ 0.0513
Indirect	\$ 0.2983	\$ 0.2200	\$ 0.3080	\$ 0.3547	\$ 0.2830	\$0.1521	\$ 0.1487	\$ 0.1626	\$ 0.1518
Depreciation	\$ 0.0553	\$ 0.0617	\$ 0.0675	\$ 0.0549	\$ 0.0402	\$0.0276	\$ 0.0254	\$ 0.0259	\$ 0.0285
Marketing	\$ 0.2103	\$ 0.1435	\$ 0.1344	\$ 0.0738	\$ 0.0579	\$0.0757	\$ 0.0869	\$ 0.0879	\$ 0.1028
Outreach	\$ 0.1087	\$ 0.1206	\$ 0.1405	\$ 0.0935	\$ 0.0903	\$0.0669	\$ 0.0466	\$ 0.0543	\$ 0.0494
Other	\$ 1.2818	\$ 0.8278	\$ 0.8211	\$ 0.7261	\$ 0.6259	\$0.5986	\$ 0.5730	\$ 0.5932	\$ 0.5771
Return on Investment	\$ 0.0259	\$ 0.0257	\$ 0.0175	\$ 0.0242	\$ 0.0124	\$0.0106	\$ 0.0109	\$ 0.0100	\$ 0.0091
Average Variable Cost	\$ 1.3760	\$ 1.1173	\$ 1.2659	\$ 1.0658	\$ 0.9638	\$ 0.9147	\$ 0.9000	\$ 0.9613	\$ 0.9516
Average Fixed Cost	\$ 0.7080	\$ 0.6022	\$ 0.7298	\$ 0.6513	\$ 0.5225	\$ 0.3651	\$ 0.3435	\$ 0.3659	\$ 0.3659
Total Reported Cost	\$ 2.0840	\$ 1.7195	\$ 1.9957	\$ 1.7171	\$ 1.4863	\$ 1.2798	\$ 1.2435	\$ 1.3272	\$ 1.3175
MARS Rate for the period	\$ 1.7630	\$ 1.7730	\$ 1.7877	\$ 1.8205	\$ 1.8895	\$ 1.9058	\$ 1.9467	\$ 2.0007	
Average Cost Rate						\$ 1.2798	1.2459	\$ 1.3223	
CTS Minutes	30,461,485.0	29,857,501.6	29,578,660.4	26,321,379.5	22,214,101.1	17,706,054.1	15,133,252.9	N/A	N/A
IP CTS Minutes				122,837,131.3	193,039,199.5	267,164,769.0	362,379,714.0	464,083,134.0	589,306,126.0
Providers included in the cost data	Sorenson Sprint Hamilton	Sorenson Sprint Hamilton	Sorenson Sprint Hamilton Purple	Sorenson Sprint Hamilton Purple	Sorenson Sprint Hamilton Purple Miracom	Sorenson Sprint Hamilton Purple Miracom	Sorenson Sprint Hamilton Purple Miracom	Sorenson Sprint Hamilton Purple Miracom	Sorenson Sprint Hamilton Purple Miracom

Exhibit 1-3.1 REDACTED

Estimates for Tariff Year 2018-2019 Based on a MARS rate of \$2.0007

Without Sorenson License Fee

Provider	minutes July 2018 - June 2019	revenue	revenue requirement	Profit	Expenses	Operating margin
total	521,149,600	\$ 1,042,664,003.39	\$ 695,533,857.97	\$ 347,130,145.42	\$ 690,532,854.21	34%

With Sorenson License Fee

Provider	minutes July 2018 - June 2019	Revenue	Revenue Requirement	Profit	Expenses	Operating margin
total	521,149,600	\$ 1,042,664,002.37				

Exhibit 1-3.2

IP CTS Cost Trend Data

Category	2014	2015	2016	2017	2018	2019	4 yr avg
Facilities	\$ 0.0501	\$ 0.0386	\$0.0322	\$ 0.0249	\$ 0.0252	\$ 0.0243	\$0.0267
CA Related	\$ 0.2796	\$ 0.2819	\$0.2674	\$ 0.2771	\$ 0.3160	\$ 0.3231	\$ 0.2959
Non-CA Related	\$ 0.0601	\$ 0.0559	\$0.0487	\$ 0.0500	\$ 0.0521	\$ 0.0513	\$0.0505
Indirect	\$ 0.3547	\$ 0.2830	\$0.1521	\$ 0.1487	\$ 0.1626	\$ 0.1518	\$0.1538
Depreciation	\$ 0.0549	\$ 0.0402	\$0.0276	\$ 0.0254	\$ 0.0259	\$ 0.0285	\$0.0268
Marketing	\$ 0.0738	\$ 0.0579	\$0.0757	\$ 0.0869	\$ 0.0879	\$ 0.1028	\$0.0883
Outreach	\$ 0.0935	\$ 0.0903	\$0.0669	\$ 0.0466	\$ 0.0543	\$ 0.0494	\$0.0543
Other	\$ 0.7261	\$ 0.6259	\$0.5986	\$ 0.5730	\$ 0.5932	\$ 0.5771	\$0.5855
Return	\$ 0.0242	\$ 0.0124	\$0.0106	\$ 0.0109	\$ 0.0100	\$ 0.0091	\$0.0101
Total Cost	\$1.7171	\$1.4863	\$1.2798	\$1.2435	\$1.3272	\$1.3175	\$1.2920
CA & Other Related	1.0658	0.9638	0.9147	0.9000	0.9613	0.9516	0.9319
All Other	0.6513	0.5225	0.3651	0.3435	0.3659	0.3659	0.3601
Variable total:	1.7171	1.4863	1.2798	1.2435	1.3272	1.3175	1.2920

2018-2019 exclude
Sorenson license fee

Exhibit 1-4

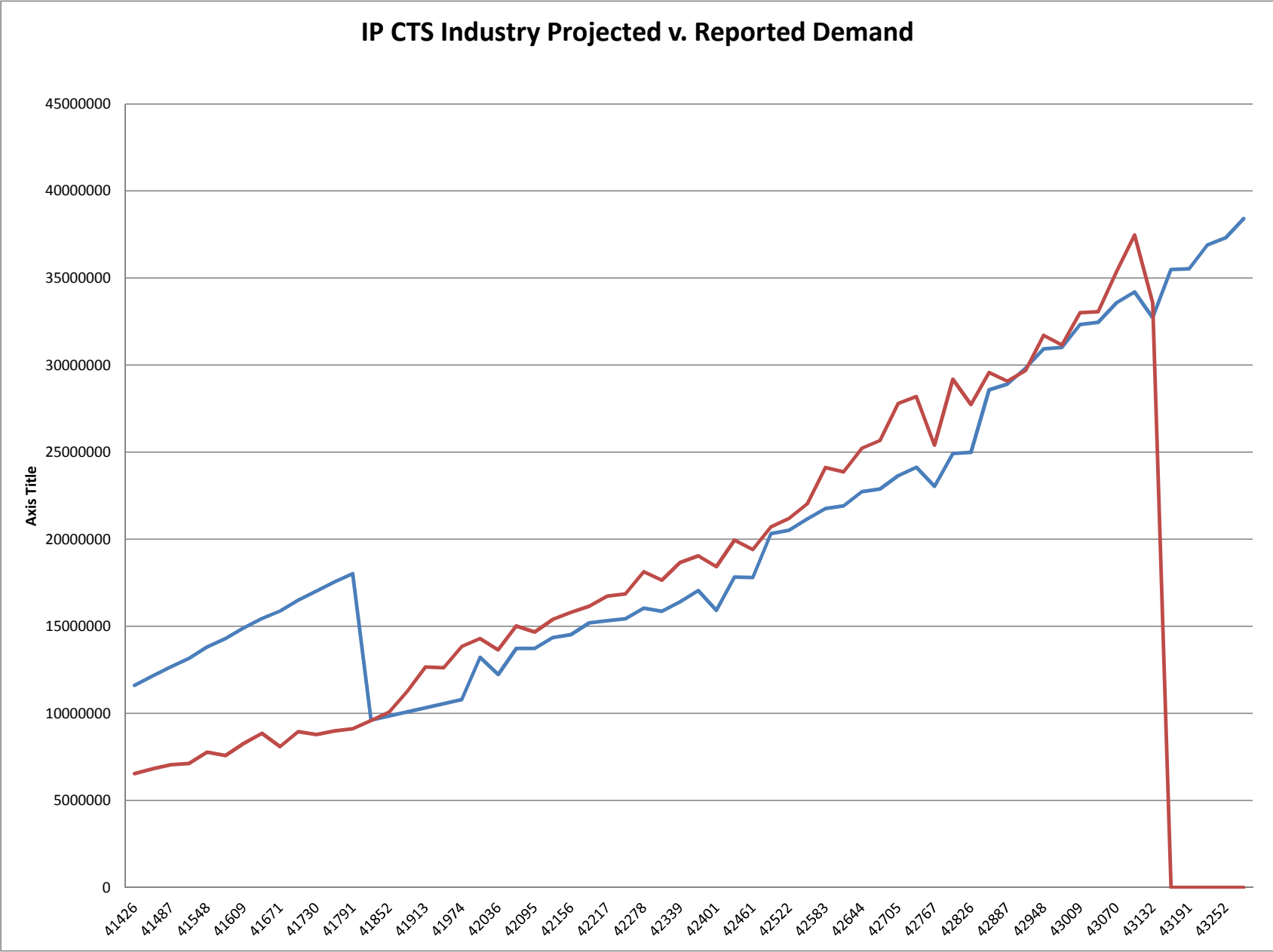


Exhibit 2

PROJECTED 2018-2019		Prior Year Demand balance (May & June)	May & June of Prior year Rate	Projected Demand	Projected Rate	Projected Requirement	Fund Requirement
	Methodology						
Traditional TRS	MARS	292,498	\$ 2.9186	1,400,423	\$ 3.2592	\$ 5,417,943	
Speech to Speech	MARS	26,472	\$ 2.9186	138,087	\$ 3.2592	\$ 527,313	
STS outreach		26,472	\$ 1.1310	138,087	\$ 1.1310	\$ 186,116	
Caption Telephone	MARS	685,666	\$ 1.9467	3,212,013.60	\$ 2.0007	\$ 7,761,061	
IP Caption Telephone	MARS	75,374,059	\$ 1.9467	425,837,980	\$ 2.0007	\$ 998,704,729	
Subtotal MARS: (Minutes & Value)				507,131,757			\$ 1,012,597,162
IP Relay 5/2017 & 6/2017	DA 16-750	962,313.46	\$ 1.3350			1,284,688	
IP Relay 7/2018 to 4/2019	DA 17-642			4,836,836	\$ 1.3600	\$ 6,578,098	
Subtotal Price Cap: (Minutes & Value)				5,799,150			\$ 7,862,786
Tier I small Companies [May -June 2018]	FCC 17-86	766,498	\$ 5.2900			\$ 4,054,773	
Tier I small Companies [July - April 2019]	FCC 17-86			4,081,205	\$ 5.29	\$ 21,589,576	
Tier 1 [May & June 2018]	FCC 17-86	5,790,073	\$ 4.8200			\$ 27,908,150	
Tier 1 [July - April 2019]	FCC 17-86			29,672,732	\$ 4.82	\$ 143,022,569	
Tier 2 [May & June 2018]	FCC 17-86	3,417,136	\$ 3.9700			\$ 13,566,029	
Tier 2 [July - April 2019]	FCC 17-86			16,448,126	\$ 3.97	\$ 65,299,061	
Tier 3 [May & June 2018]	FCC 17-86	12,226,035	\$ 3.2100			\$ 39,245,572	
Tier 3 [July - April 2019]	FCC 17-86			63,723,339	\$ 2.83	\$ 180,337,049	
						\$ -	
						\$ -	
						\$ -	
Subtotal VRS: (Minutes & Value)		21,433,243		109,844,197			\$ 495,022,778
Projected Provider Payments (Minutes & Value)				131,277,440			\$ 1,515,482,726
Deaf Blind Equipment Distribution Program							\$ 10,000,000
TRS Research							\$ 8,650,000
iTRS National Outreach Program							\$ 2,000,000
URD implementation							\$ 1,600,000
Service Provider Audits							\$ 1,000,000
**TRS Fund Administration							\$ 2,400,000
iTRS Number Administration							\$ 1,005,000
Investment Fees							\$ 190,000
Data Collection Agent							\$ 88,800
independent financial audit							\$ 65,000
Bankruptcy / legal representation							\$ 50,000
Council Meeting Expenses							\$ 50,000
IPERA Plan & testing							\$ 250,000
Two Average month provider Payment Reserve							\$ 252,580,000
Non-Provider Subtotal:							\$ 279,928,800
Grand Total Requirements:							\$ 1,795,411,526
estimated fund balance at 6/30/2017							\$172,187,810
estimated interest on fund investments							\$ 1,200,000
Net Fund Requirements:							\$ 1,622,023,716
*Estimated Contribution Basis:							\$ 53,467,309,359
Assessment Rate:							0.0303%

Exhibit 3

qry-Show-Base-Revenue-Figures-Contributions		
Year begins	Base	
2004	\$81,954,191,760.72	
2005	\$80,666,621,323.77	
2006	\$80,457,972,601.73	
2007	\$77,898,078,806.14	
2008	\$79,428,092,243.17	
2009	\$78,895,806,171.06	
2010	\$72,844,997,815.67	
2011	\$69,450,220,823.19	
2012	\$67,206,226,972.74	
2013	\$67,278,109,559.79	
2014	\$65,234,609,106.58	
2015	\$64,234,609,107.00	
2016	\$61,424,575,347.80	
2017	\$57,828,807,840.52	@ 3/20/2018
2018	\$53,467,309,359.00	@ 92.5% of 2017

Exhibit 4

2017 - 2018 Program year Contribution Base monthly changes

For period ended	Amount	Change from prior period	contribution factor	Invoiced Fund Revenue	Change from prior period
per original budget	\$58,034,785,511		0.02289	\$ 1,328,416,240.35	
7/31/2017	\$ 58,029,470,628.08	\$ (5,314,882.92)	0.02289	\$ 1,328,294,582.68	\$ (121,657.67)
8/31/2017	\$ 58,026,808,964.17	\$ (2,661,663.91)	0.02289	\$ 1,328,233,657.19	\$ (60,925.49)
9/30/2017	\$ 58,016,658,797.31	\$ (10,150,166.86)	0.02289	\$ 1,328,001,319.87	\$ (232,337.32)
10/31/2017	\$ 57,836,504,927.52	\$ (180,153,869.79)	0.02289	\$ 1,323,877,597.79	\$ (4,123,722.08)
11/30/2017	\$ 57,836,808,986.04	\$ 304,058.52	0.02289	\$ 1,323,884,557.69	\$ 6,959.90
12/31/2017	\$ 57,845,873,448.08	\$ 9,064,462.04	0.02289	\$ 1,324,092,043.23	\$ 207,485.54
1/31/2018	\$ 57,847,984,544.41	\$ 2,111,096.33	0.02289	\$ 1,324,140,366.22	\$ 48,322.99
2/28/2018	\$ 57,846,931,104.34	\$ (1,053,440.07)	0.02289	\$ 1,324,116,252.98	\$ (24,113.24)
3/31/2018	\$ 57,833,269,997.21	\$ (13,661,107.13)	0.02289	\$ 1,323,803,550.24	\$ (312,702.74)
4/30/2018	\$ 57,828,807,840.52	\$ (4,462,156.69)	0.02289	\$ 1,323,701,411.47	\$ (102,138.77)
5/31/2018	\$ 57,804,889,527.77	\$ (23,918,312.75)	0.02289	\$ 1,323,153,921.29	\$ (547,490.18)
YTD Erosion:				\$	(5,262,319.06)