

# **CALCULATION OF ESTIMATED INTERSTATE TRAFFIC SENSITIVE SWITCHED ACCESS RATES TO BE USED FOR FCC SECTION 61.39 TARIFF FILING**

COMPANY: City of Brookings  
STUDY AREA: 391650

	Traffic Sensitive Basic Schedule	Traffic Sensitive Tandem Switching	Transport Mileage Basic Schedule	Transport Termination Basic Schedule	Total Switched Traffic Sensitive
<b>AS3000</b>					
<b>Line #</b>					
35. SS7 Full Connectivity	\$15,030				
36. SS7 Partial Connectivity	\$0				
40. ITD Settlement		\$0			
49. TS Switched Basic Schedule	\$974,420				
50. Transport Mileage Basic Schedule			\$556,359		
51. Transport Termination Basic Schedule				\$172,314	
A. Interstate Traffic Sensitive Switched Settlements from AS3000	\$989,450	\$0	\$556,359	\$172,314	\$1,718,123
B. Interstate Traffic Sensitive Minutes	44,907,501	44,907,501	44,907,501	44,907,501	
C. Interstate Settlement Per Minute (A / B)	\$0.0220	\$0.0000	\$0.0124	\$0.0038	
D. Annual Local Switching Support	<b>\$558,336<sup>^^</sup></b>				
E. Revenue to be Recovered in Access Rates (A - D)	\$431,114				
F. Rate to Recover Amount on Line E (E / B)	\$0.009600	\$0.0000	\$0.0124	\$0.0038	<b>\$0.025800</b>
G. Local Switching Rate, Per Minute *	\$0.009511				
H. Information Surcharge Rate, Per 100 Minutes *	\$0.0089				
I. Tandem Switching		\$0.000000			
J. Transport Interconnection Charge (TIC)		\$0.00			
K. Tandem Switched Facility Rate, Per Minute Per Airline Mile ^			\$0.000234		
L. Tandem Switched Termination Rate, Per Minute Per Termination ^^				\$0.001919	

\* Split to Local Switching and Information Surcharge Rate Elements Based on the Ratio for NECA Rates:

Current NECA Rates:

a. Local Switching - Premium	\$0.015833	99.0739%
b. Information Surcharge - Premium	\$0.000148	0.9261%
c. Total	\$0.015981	100.0000%
d. Proposed Rate (F x 99.0739%)	\$0.009511	
e. Proposed Information Surcharge Rate (F - d)	\$0.000089	
f. Total Settlement Per Minute (d + e)	\$0.009600	

^ There are 53 airline miles of transport facility for each Traffic Sensitive Minute. The Tandem Switched Facility Rate, Per Minute Per Airline Mile equals A/(B x 53 airline miles).

^^ The Tandem Switched Termination Rate, Per Minute Per Termination equals A/(B x 2 terminations).

^^^ The amount of LSS to be inserted here may be different when the actual tariff filing is calculated. **These rates are based on the removal of**

**Local Switching Support projected to be received in 2001.**

AS1000 EXCHANGE CARRIER INPUT REPORT  
AVERAGE SCHEDULE

NECA SETTLEMENTS

APPLIES TO: JANUARY 2000 TO DECEMBER 2000

DATA TYPE: JULY 1, 2000 RATES

**Based on Calendar Year 2000 Demand Units and NECA Settlement Rates Effective 7-1-00**

COMPANY: City of Brookings  
STUDY AREA: 391650

AS1000-I  
7/00

		January-00	February-00	March-00	April-00	May-00	June-00	July-00	August-00	September-00	October-00	November-00	December-00	TOTAL
----- COMMON LINE -----														
1. PREMIUM ACCESS MINUTES	1.	4,640,176	3,885,411	4,217,767	3,646,781	4,307,356	3,973,918	3,184,967	2,993,171	3,064,386	3,400,677	3,766,489	3,797,926	44,879,025
2. ACCESS LINES IN SERVICE	2.	16,330	16,256	16,424	16,209	16,188	14,547	14,487	14,477	14,572	16,491	16,430	16,349	NA
3. CCL PREMIUM EARNED REVENUE	3.	49,905	42,410	46,146	40,049	47,245	43,430	34,743	34,567	38,976	43,464	48,422	48,955	518,312
4. CCL NON-PREMIUM EARNED REVENUE	4.	0	0	0	0	0	0	0	0	0	0	0	0	0
5. CCL SP ACCESS SURCHARGE	5.	0	0	0	0	0	0	0	0	0	0	0	0	0
6. CCL NET REALIZED UNCOLLECTIBLES	6.	0	0	0	0	0	0	0	0	0	0	0	0	0
7. CCL NET EARNED REVENUE (3+4+5-6)	7.	49,905	42,410	46,146	40,049	47,245	43,430	34,743	34,567	38,976	43,464	48,422	48,955	518,312
8. EU EARNED REVENUE	8.	75,908	74,862	76,169	74,479	73,378	67,530	68,552	68,929	69,490	80,353	75,739	75,293	880,682
9. EU NET REALIZED UNCOLLECTIBLES	9.	0	0	0	0	0	0	0	0	0	0	0	0	0
10. EU NET EARNED REVENUE (8-9)	10.	75,908	74,862	76,169	74,479	73,378	67,530	68,552	68,929	69,490	80,353	75,739	75,293	880,682
11. 'CL INTER'	11.	0	0	0	0	0	0	0	0	0	0	0	0	0
12. UNIV. SVC. CONTRIB. CL REIMB.	12.	4,399	4,651	4,641	4,641	4,519	4,509	4,509	4,552	4,552	4,552	4,661	4,661	54,847
----- TRAFFIC SENSITIVE -----														
13. TS SWITCHED ACCESS MINUTES	13.	4,540,176	3,885,411	4,217,767	3,646,781	4,307,356	3,973,918	3,184,967	2,993,171	3,064,386	3,400,677	3,766,489	3,926,402	44,907,501
14. CIRCUIT MILES (LH WORKSHEET)	14.	79,491.36	79,491.36	79,491.36	79,491.36	79,491.36	79,491.36	79,491.36	79,491.36	79,491.36	79,491.36	79,491.36	79,491.36	953,896
15. TS OTHER	15.	0	0	0	0	0	0	0	0	0	0	0	0	0
16. ITD CIRCUITS	16.	0	0	0	0	0	0	0	0	0	0	0	0	0
17. SW EARNED REVENUE	17.	142,197	121,155	131,687	114,471	134,592	124,725	99,811	93,157	96,541	106,390	118,060	122,896	1,405,682
18. SW NET REALIZED UNCOLLECTIBLES	18.	0	0	0	0	0	0	0	0	0	0	0	0	0
19. SW NET EARNED REVENUE (17-18)	19.	142,197	121,155	131,687	114,471	134,592	124,725	99,811	93,157	96,541	106,390	118,060	122,896	1,405,682
20. SP EARNED REVENUE	20.	25,971	25,299	23,604	25,641	24,306	24,055	25,039	24,356	23,454	24,055	23,032	21,358	290,170
21. SP NET REALIZED UNCOLLECTIBLES	21.	0	0	0	0	0	0	0	0	0	0	0	0	0
22. SP NET EARNED REVENUE (20-21)	22.	25,971	25,299	23,604	25,641	24,306	24,055	25,039	24,356	23,454	24,055	23,032	21,358	290,170
23. NXX TRANSLATIONS	23.	0	0	0	0	0	0	0	0	0	0	0	0	0
24. RESERVED TS 'INTER'	24.	0	0	0	0	0	0	0	0	0	0	0	0	0
25. SWITCHED CIRCUIT TERMINATIONS (LH W/S)	25.	748.12	748.12	748.12	748.12	748.12	748.12	748.12	748.12	748.12	748.12	748.12	748.12	8,977
26. EQUAL ACCESS	26.	0	0	0	0	0	0	0	0	0	0	0	0	0
27. INTERSTATE CIRCUITS	27.	431.36	431.36	431.36	431.36	431.36	431.36	431.36	431.36	431.36	431.36	431.36	431.36	NA
----- OTHER -----														
28. OTHER	28.	0	0	0	0	0	0	0	0	0	0	0	0	0
29. RESERVED	29.	0	0	0	0	0	0	0	0	0	0	0	0	0
29. RESERVED	30.	0	0	0	0	0	0	0	0	0	0	0	0	0

**AS3000 EXCHANGE CARRIER OUTPUT REPORT  
AVERAGE SCHEDULE**

NECA SETTLEMENTS

**APPLIES TO: JANUARY 2000 TO DECEMBER 2000**

**DATA TYPE: JULY 1, 2000 RATES**

**Based on Calendar Year 2000 Demand Units and NECA Settlement Rates Effective 7-1-00**

COMPANY: City of Brookings  
STUDY AREA: 391650

AS3000-O  
7/00

----- NET BALANCE SUMMARY-----

	January-00	February-00	March-00	April-00	May-00	June-00	July-00	August-00	September-00	October-00	November-00	December-00	TOTAL
1. EU NET BALANCE (30-17)	0	0	0	0	0	0	0	0	0	0	0	0	0
2. CCL NET BALANCE + SUPPORT (31-16)	-18,881	-10,550	-14,553	-8,109	-14,458	-13,598	-6,134	-6,326	-10,978	-15,725	-16,342	-16,935	-152,589
3. TS NET BALANCE (56-(32+33))	17,253	22,980	20,417	24,026	19,549	21,608	27,561	29,783	28,170	26,155	23,189	22,291	282,982
4. EU PRIOR PERIOD NET ADJ. (2053,50D)	0	0	0	0	0	0	0	0	0	0	0	0	0
5. CCL PRIOR PERIOD NET ADJ. (2053,25D)	0	0	0	0	0	0	0	0	0	0	0	0	0
6. TS PRIOR PERIOD NET ADJ. (2053,75D)	0	0	0	0	0	0	0	0	0	0	0	0	0
7. USF & LA PRIOR PERIOD NET ADJ. (2053,100E)	0	0	0	0	0	0	0	0	0	0	0	0	0
8. TOTAL NET BALANCE (1 THRU 7)*	-1,628	12,430	5,864	15,917	5,091	8,010	21,427	23,457	17,192	10,430	6,847	5,356	130,393
* IF POSITIVE, NECA PAYS EC													
* IF NEGATIVE, EC PAYS NECA													

----- SUPPORT DATA-----

9. LONG TERM SUPPORT (LTS)	7,618	7,618	7,618	7,618	7,618	7,618	7,618	7,618	7,618	7,618	7,618	7,618	91,416
10. LOCAL SWITCHING SUPPORT (LSS)	55,904	55,904	55,904	55,904	55,904	55,904	55,904	55,904	55,904	55,904	55,904	55,904	670,848
11. RESERVED	0	0	0	0	0	0	0	0	0	0	0	0	0
12. RESERVED	0	0	0	0	0	0	0	0	0	0	0	0	0
13. RESERVED	0	0	0	0	0	0	0	0	0	0	0	0	0
14. RESERVED	0	0	0	0	0	0	0	0	0	0	0	0	0
15. RESERVED	0	0	0	0	0	0	0	0	0	0	0	0	0

----- COMMON LINE-----

16. CCL NET EARNED REVENUE (1000,7)	49,905	42,410	46,146	40,049	47,245	43,430	34,743	34,567	38,976	43,464	48,422	48,955	518,312
17. EU NET EARNED REVENUE (1000,10)	75,908	74,862	76,169	74,479	73,378	67,530	68,552	68,929	69,490	80,353	75,739	75,293	880,682
18. RESERVED													
19. COMMON LINE SCHEDULE (22X23)	101,882	101,423	102,466	101,131	101,000	92,263	92,063	92,030	92,346	102,882	102,503	102,000	1,183,989
20. CL OTHER (1000,28x(16+17)/(16+17+32+33))	0	0	0	0	0	0	0	0	0	0	0	0	0
21. NUMBER OF EXCHANGES	1	1	1	1	1	1	1	1	1	1	1	1	1
22. ACCESS LINES IN SERVICE (1000,2)	16,330	16,256	16,424	16,209	16,188	14,547	14,487	14,477	14,572	16,491	16,430	16,349	NA
23. CL SCHEDULE RATE PER LINE IF 22/21 GT=15000 THEN: 23 = .8589x(7.232494+(512.799976/(22/21))) IF 22/21 GT 10000 BUT LT 15000 THEN: 23 = 9.368193-(.000208x(22/21))) IF 22/21 GT 553 BUT LT 10000 THEN: 23 = 7.232494+(512.799976/(22/21)) IF 22/21 LT 553 THEN: 23 = 13.635969-(.009903x(22/21))	6.238961	6.239083	6.238806	6.239162	6.239197	6.342417	6.354897	6.356977	6.337217	6.238697	6.238796	6.238929	NA
24. CL BASIC SCHEDULE (19+20)	101,882	101,423	102,466	101,131	101,000	92,263	92,063	92,030	92,346	102,882	102,503	102,000	1,183,989
25. REALIZED RESIDUE RATIO	0.1150	0.1150	0.1150	0.1150	0.1150	0.1150	0.1150	0.1150	0.1150	0.1150	0.1150	0.1150	NA
26. RETURN FACTOR (.712335+(2.557022x25))	1.006393	1.006393	1.006393	1.006393	1.006393	1.006393	1.006393	1.006393	1.006393	1.006393	1.006393	1.006393	NA
27. CL REALIZED SCHEDULE (24x26)	102,533	102,071	103,121	101,778	101,646	92,853	92,652	92,618	92,936	103,540	103,158	102,652	1,191,558
28. RESERVED													
29. CL SETTLEMENT (27+1000,12-9+9*)	106,932	106,722	107,762	106,419	106,165	97,362	97,161	97,170	97,488	108,092	107,819	107,313	1,246,405
30. EU SETTLEMENT (17)	75,908	74,862	76,169	74,479	73,378	67,530	68,552	68,929	69,490	80,353	75,739	75,293	880,682
31. CLL SETTLEMENT (29-30)	31,024	31,860	31,593	31,940	32,787	29,832	28,609	28,241	27,998	27,739	32,080	32,020	365,723

**AS3000 EXCHANGE CARRIER OUTPUT REPORT  
AVERAGE SCHEDULE**

NECA SETTLEMENTS

**APPLIES TO: JANUARY 2000 TO DECEMBER 2000  
DATA TYPE: JULY 1, 2000 RATES**

**Based on Calendar Year 2000 Demand Units and NECA Settlement Rates Effective 7-1-00**

COMPANY: City of Brookings  
STUDY AREA: 391650

AS3000-O  
7/00

----- TRAFFIC SENSITIVE -----

		January-00	February-00	March-00	April-00	May-00	June-00	July-00	August-00	September-00	October-00	November-00	December-00	TOTAL
32. SW NET EARNED REVENUE (1000,19)	32.	142,197	121,155	131,687	114,471	134,592	124,725	99,811	93,157	96,541	106,390	118,060	122,896	1,405,682
33. SP NET EARNED REVENUE (1000,22)	33.	25,971	25,299	23,604	25,641	24,306	24,055	25,039	24,356	23,454	24,055	23,032	21,358	290,170
34. RESERVED	34.													
35. SS7 FULL CONNECTIVITY: \$1245 PER SSP	35.	1,245	1,245	1,245	1,245	1,245	1,245	1,245	1,245	1,245	1,245	1,245	1,245	14,940
36. SS7 PARTIAL CONNECTIVITY: \$638 PER SSP	36.	0	0	0	0	0	0	0	0	0	0	0	0	0
37. TS OTHER	37.	0	0	0	0	0	0	0	0	0	0	0	0	0
((1000,15+1000,26) +(1000,28x(32+33))/(16+17+32+33)))														
38. NUMBER OF EXCHANGES	38.	1	1	1	1	1	1	1	1	1	1	1	1	1
39. TS SWITCHED ACCESS MINUTES (1000,13)	39.	4,540,176	3,885,411	4,217,767	3,646,781	4,307,356	3,973,918	3,184,967	2,993,171	3,064,386	3,400,677	3,766,489	3,926,402	44,907,501
40. ITD SETTLEMENT (1000,16x\$14.62)	40.	0	0	0	0	0	0	0	0	0	0	0	0	0
41. CIRCUIT MILES (1000,14)	41.	79,491.36	79,491.36	79,491.36	79,491.36	79,491.36	79,491.36	79,491.36	79,491.36	79,491.36	79,491.36	79,491.36	79,491.36	953,896.32
42. MINUTES PER ACCESS LINE (39/1000,2)	42.	278	239	257	225	266	273	220	207	210	206	229	240	NA
43. TS CENTRAL OFFICE ACCESS LINE FACTOR: IF 22 GT OR = 10,000, THEN: 43 = 1.0 IF 22 LT 10,000, THEN: 43 = 2.058636 - (.000105864x1000,2)	43.	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	NA
44. SWITCHED CIRCUIT TERMINATIONS (1000,25)	44.	748.12	748.12	748.12	748.12	748.12	748.12	748.12	748.12	748.12	748.12	748.12	748.12	8,977.44
45. RESERVED	45.													
46. HIGH VOLUME MULTIPLIER (750/1000,2)	46.	0.045928	0.046137	0.045665	0.046271	0.046331	0.051557	0.051771	0.051806	0.051469	0.045479	0.045648	0.045874	NA
47. TARIFF RATE INDEX	47.	0.986636	0.986636	0.986636	0.986636	0.986636	0.986636	0.972047	0.972047	0.972047	0.972047	0.972047	0.972047	NA
48. TS SPECIAL BASIC SCHEDULE (1000,20 x .911783x47)	48.	23,363	22,759	21,234	23,067	21,866	21,640	22,192	21,587	20,787	21,320	20,413	18,930	259,158
49. TS SWITCHED BASIC SCHEDULE IF 42 LT OR = 375, THEN: 49 = ((.020787x39)+(769.9x38))x43+2156.95 IF 42 GT 375 BUT LT OR = 1000, THEN: 49 = ((.020787x375x1000,2) + (.013114x(39-(375x1000,2))x(46) +(769.9x38))x43+2156.95 IF 42 GT 1000, THEN: 49 = ((.020787x375x1000,2) + [.013114x(1000-375)x1000,2 + .002919x(39-(1000x1000,2))x(46) +769.90x38])x43+2156.95	49.	97,303	83,693	90,602	78,732	92,464	85,533	69,133	65,146	66,626	73,617	81,221	84,545	968,615
50. TRANSPORT MILEAGE BASIC SCHEDULE IF 41 = 0, THEN 50 = 0 IF (41/1000,27) GT 0, But LT 100 THEN: 50 = ((.784573x41)+( .002563x39)) IF (41/1000,27) GT 100, THEN (.784573x 100 x 1000,27) + .072951 x (41 - (100 x 1000,27)) + .002563x 39	50.	48,132	46,454	47,306	45,842	47,535	46,681	44,659	44,167	44,350	45,211	46,149	46,559	553,045
51. TRANSPORT TERMINATION BASIC SCHEDULE IF 44/38 < 200, THEN 51 = 44.55-((44/38)x-0.127357)x44 IF 44/38 >= 200, THEN 51 = 19.08x44	51.	14,274	14,274	14,274	14,274	14,274	14,274	14,274	14,274	14,274	14,274	14,274	14,274	171,288
52. TOTAL TS BASIC SCHEDULE 35+36+37+40+48+49+50 or 50a+51	52.	184,317	168,425	174,661	163,160	177,384	169,373	151,503	146,419	147,282	155,667	163,302	165,553	1,967,046
53. REALIZED RESIDUE RATIO	53.	0.1150	0.1150	0.1150	0.1150	0.1150	0.1150	0.1150	0.1150	0.1150	0.1150	0.1150	0.1150	0.1150
54. RETURN FACTOR (.730377+(2.396649x53))	54.	1.005992	1.005992	1.005992	1.005992	1.005992	1.005992	1.005992	1.005992	1.005992	1.005992	1.005992	1.005992	1.005992
55. TS REALIZED SCHEDULE (52x54)	55.	185,421	169,434	175,708	164,138	178,447	170,388	152,411	147,296	148,165	156,600	164,281	166,545	1,979,834

Jan 00 - Dec 00 = 00 Formula

224,770

56. TS SETTLEMENT (55)	56.	185,421	169,434	175,708	164,138	178,447	170,388	152,411	147,296	148,165	156,600	164,281	166,545	1,978,834
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CALCULATION OF ESTIMATED INTERSTATE TRAFFIC SENSITIVE SWITCHED ACCESS REVENUE

Based on Calendar Year 2000 Demand Units and NECA Settlement Rates Effective 7-1-00

COMPANY: City of Brookings

STUDY AREA: 391650

		Annual Interstate Traffic Sensitive Settlements	
A.	Traffic Sensitive Switched Basic Schedule	\$974,420	
B.	Traffic Sensitive SS-7 Settlements	\$15,030	
C.	Traffic Sensitive ITD Settlements	\$0	
D.	Transport Mileage Basic Schedule	\$556,359	
E.	Transport Termination Basic Schedule	\$172,314	
F.	Total Switched Traffic Sensitive	<u>\$1,718,123</u>	(A+B+C+E)
G.	Traffic Sensitive Special Basic Schedule	\$260,711	
H.	Total Traffic Sensitive Settlements	<u><u>\$1,978,834</u></u>	(G+H)

## City of Brookings

### Switched Earned Revenue

	January	February	March	April	May	June	July	August	September	October	November	December	Total
<b>Calendar Year 2000</b>	142,197	121,155	131,687	114,471	134,592	124,725	99,811	93,157	96,541	106,390	118,060	122,896	1,405,682

### TS Switched Minutes

	January	February	March	April	May	June	July	August	September	October	November	December	Total
<b>Calendar Year 2000</b>	4,540,176	3,885,411	4,217,767	3,646,781	4,307,356	3,973,918	3,184,967	2,993,171	3,064,386	3,400,677	3,766,489	3,926,402	44,907,501

### Special Access Revenue

	January	February	March	April	May	June	July	August	September	October	November	December	Total
<b>Calendar Year 2000</b>	25,971	25,299	23,604	25,641	24,306	24,055	25,039	24,356	23,454	24,055	23,032	21,358	290,170

### Access Lines

	January	February	March	April	May	June	July	August	September	October	November	December	Total
<b>Calendar Year 2000</b>	16,330	16,256	16,424	16,209	16,188	14,547	14,487	14,477	14,572	16,491	16,430	16,349	188,760