

**TD 6.1-B
CALCULATION OF
PROPOSED TOLLS**

**JANUARY TOLLS 2000
TOLLS EFFECTIVE JANUARY 1, 2000**

System Average Unit Costs

Cost of Metering	9.2990851873
Variable Transmission	0.0000142682
Fixed Transmission	0.1170658470
Unaccountable Losses	0.0000000000
FST Allocation - Fixed	0.0004221894
FST Allocation - Variable	0.0000000000
STFT East/West Differential	0.3509 (\$/GJ)
IT East/West Differential	0.2392 (\$/GJ)
4 x 100% LF FT Philipsburg Toll	4.4448 (\$/GJ)

SHORT HAUL Tolls

	Emerson to Consumers' SWDA	Emerson to Union SWDA	Emerson to Union CDA	Emerson to Consumers' CDA	Emerson to Niagara Falls
Distance (km)	1590.03	1579.08	1817.13	1887.40	1890.77
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	186.1382087054	184.8563376808	212.7238625591	220.9500796278	221.3445915322
FST Fixed	0.6712938117	0.6666708378	0.7671730244	0.7968402736	0.7982630518
Demand Toll (\$/GJ/yr)	196.10859	194.82209	222.79012	231.04601	231.44194
Demand Toll (\$/GJ/mo)	16.34238	16.23517	18.56584	19.25383	19.28683
Commodity					
Transmission Variable	0.0226868660	0.0225306293	0.0259271743	0.0269298007	0.0269778845
Unaccountable Losses	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
FST Variable	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Commodity Toll (\$/GJ)	0.02269	0.02253	0.02593	0.02693	0.02698
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	0.5600	0.5563	0.6363	0.6599	0.6611
STFT Bid Ceiling					
(4x Applicable 100% LF Toll) (\$/GJ)	2.2400	2.2252	2.5452	2.6396	2.6444
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.2913	0.2894	0.3311	0.3434	0.3440

SHORT HAUL Tolls

	Emerson to Chippawa	Emerson to Centra EDA	Emerson to Iroquois	Emerson to Cornwall	Emerson to Consumers' EDA
Distance (km)	1893.06	2121.67	2151.88	2282.89	2133.01
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	221.6126723218	248.3750956045	251.9116548424	267.2484514578	249.7026223095
FST Fixed	0.7992298656	0.8957465843	0.9085009261	0.9638119594	0.9005342121
Demand Toll (\$/GJ/yr)	231.71099	258.56993	262.11924	277.51135	259.90224
Demand Toll (\$/GJ/mo)	19.30925	21.54749	21.84327	23.12595	21.65852
Commodity					
Transmission Variable	0.0270105587	0.0302724119	0.0307034542	0.0325727311	0.0304342133
Unaccountable Losses	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
FST Variable	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Commodity Toll (\$/GJ)	0.02701	0.03027	0.03070	0.03257	0.03043
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	0.6618	0.7387	0.7488	0.7929	0.7425
STFT Bid Ceiling					
(4 x Applicable 100% LF Toll) (\$/GJ)	2.6472	2.9548	2.9952	3.1716	2.9700
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.3444	0.3845	0.3898	0.4127	0.3865

	Emerson to Sabrevois	Emerson to GMi EDA	Emerson to Philipsburg	Emerson to Centra SSMDA	Emerson to East Hereford
Distance (km)	2425.65	2569.32	2457.17	1145.41	2642.13
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	283.9607717756	300.7796220140	287.6506872730	134.0883918123	309.3031863341
FST Fixed	1.0240837181	1.0847396692	1.0373911280	0.4835799607	1.1154792794
Demand Toll (\$/GJ/yr)	294.28394	311.16345	297.98716	143.87106	319.71775
Demand Toll (\$/GJ/mo)	24.52366	25.93029	24.83226	11.98926	26.64315
Commodity					
Transmission Variable	0.0346096593	0.0366595716	0.0350593930	0.0163429390	0.0376984393
Unaccountable Losses	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
FST Variable	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Commodity Toll (\$/GJ)	0.03461	0.03666	0.03506	0.01634	0.03770
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	0.8409	0.8892	0.8515	0.4105	0.9136
STFT Bid Ceiling					
(4x Applicable 100% LF Toll) (\$/GJ)	3.3636	3.5568	3.4060	1.6420	3.6544
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.4377	0.4629	0.4433	0.2134	0.4757

SHORT HAUL Tolls

	Sault Ste. Marie to Consumers' SWDA	Sault Ste. Marie to Union SWDA	Sault Ste. Marie to Union CDA	Sault Ste. Marie to Consumers' CDA	Sault Ste. Marie to Niagara Falls
Distance (km)	597.63	586.68	824.73	895.08	898.27
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	69.9620621426	68.6801911180	96.5477159963	104.7832983328	105.1567383847
FST Fixed	0.2523130511	0.2476900772	0.3481922639	0.3778932882	0.3792400723
Demand Toll (\$/GJ/yr)	79.51346	78.22697	106.19499	114.46028	114.83506
Demand Toll (\$/GJ/mo)	6.62612	6.51891	8.84958	9.53836	9.56959
Commodity					
Transmission Variable	0.0085271044	0.0083708676	0.0117674126	0.0127711805	0.0128166960
Unaccountable Losses	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
FST Variable	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Commodity Toll (\$/GJ)	0.00853	0.00837	0.01177	0.01277	0.01282
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	0.2264	0.2227	0.3027	0.3264	0.3274
STFT Bid Ceiling					
(4x Applicable 100% LF Toll) (\$/GJ)	0.9056	0.8908	1.2108	1.3056	1.3096
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.1175	0.1155	0.1572	0.1696	0.1701

SHORT HAUL Tolls

	Sault Ste. Marie to Chippawa	Sault Ste. Marie to Centra EDA	Sault Ste. Marie to Iroquois	Sault Ste. Marie to Cornwall	Sault Ste. Marie to Consumers' EDA
Distance (km)	900.66	1160.70	1251.17	1290.49	1295.56
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	105.4365257590	135.8783286129	146.4692757910	151.0723048950	151.6658287393
FST Fixed	0.3802491050	0.4900352366	0.5282307116	0.5448311988	0.5469716991
Demand Toll (\$/GJ/yr)	115.11586	145.66745	156.29659	160.91622	161.51189
Demand Toll (\$/GJ/mo)	9.59299	12.13895	13.02472	13.40969	13.45932
Commodity					
Transmission Variable	0.0128507970	0.0165610997	0.0178519438	0.0184129694	0.0184853092
Unaccountable Losses	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
FST Variable	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Commodity Toll (\$/GJ)	0.01285	0.01656	0.01785	0.01841	0.01849
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	0.3282	0.4156	0.4461	0.4593	0.4610
STFT Bid Ceiling					
(4 x Applicable 100% LF Toll) (\$/GJ)	1.3128	1.6624	1.7844	1.8372	1.8440
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.1705	0.2161	0.2320	0.2388	0.2397

	Sault Ste. Marie to Sabrevois	Sault Ste. Marie to GMi EDA	Sault Ste. Marie to Philipsburg	Sault Ste. Marie to Centra SSMDA	Sault Ste. Marie to East Hereford
Distance (km)	1433.25	1451.80	1464.77	10.81	1649.73
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	167.7846252128	169.9561966746	171.4745407102	1.2654818061	193.1270397713
FST Fixed	0.6051029576	0.6129345709	0.6184103674	0.0045638674	0.6964985189
Demand Toll (\$/GJ/yr)	177.68881	179.86822	181.39204	10.56913	203.12262
Demand Toll (\$/GJ/mo)	14.80740	14.98902	15.11600	0.88076	16.92689
Commodity					
Transmission Variable	0.0204498977	0.0207145728	0.0208996313	0.0001542392	0.0235386776
Unaccountable Losses	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
FST Variable	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Commodity Toll (\$/GJ)	0.02045	0.02071	0.02090	0.00015	0.02354
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	0.5073	0.5135	0.5179	0.0291	0.5800
STFT Bid Ceiling					
(4x Applicable 100% LF Toll) (\$/GJ)	2.0292	2.0540	2.0716	0.1164	2.3200
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.2639	0.2671	0.2694	0.0146	0.3018

SHORT HAUL Tolls

	St. Clair to Consumers' SWDA	St. Clair to Union SWDA	St. Clair to Union CDA	St. Clair to Consumers' CDA	St. Clair to Niagara Falls	St. Clair to Chippawa
Distance (km)	23.83	12.88	250.93	321.28	324.47	326.86
Demand						
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	2.7896791340	1.5078081094	29.3753329877	37.6109153242	37.9843553761	38.2641427504
FST Fixed	0.0100607734	0.0054377995	0.1059399861	0.1356410104	0.1369877946	0.1379968273
Demand Toll (\$/GJ/yr)	12.09883	10.81233	38.78036	47.04564	47.42043	47.70122
Demand Toll (\$/GJ/mo)	1.00824	0.90103	3.23170	3.92047	3.94170	3.97510
Commodity						
Transmission Variable	0.0003400112	0.0001837744	0.0035803194	0.0045840873	0.0046296029	0.0046637039
Unaccountable Losses	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
FST Variable	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Commodity Toll (\$/GJ)	0.00034	0.00018	0.00358	0.00458	0.00463	0.00466
100% LF Tolls (STFT Bid Floor)						
(4x Applicable 100% LF Toll) (\$/GJ)	0.0335	0.0298	0.1098	0.1335	0.1342	0.1353
STFT Bid Ceiling						
(4 x Applicable 100% LF Toll) (\$/GJ)	0.1340	0.1192	0.4392	0.5340	0.5368	0.5412
IT Bid Floor (200% LF Toll)						
(\$/GJ)	0.0169	0.0150	0.0567	0.0690	0.0694	0.0700
	St. Clair to Centra EDA	St. Clair to Iroquois	St. Clair to Cornwall	St. Clair to Consumers' EDA	St. Clair to Sabrevois	
Distance (km)	586.90	677.37	716.69	724.20	859.45	
Demand						
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873	
Transmission Fixed	68.7059456043	79.2968927824	83.8999218864	84.7790863974	100.6122422042	
FST Fixed	0.2477829589	0.2859784339	0.3025789211	0.3057495635	0.3628506798	
Demand Toll (\$/GJ/yr)	78.25281	88.88196	93.50159	94.38392	110.27418	
Demand Toll (\$/GJ/mo)	6.52107	7.40683	7.79180	7.86533	9.18952	
Commodity						
Transmission Variable	0.0083740066	0.0096648506	0.0102258763	0.0103330304	0.0122628045	
Unaccountable Losses	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	
FST Variable	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	
Commodity Toll (\$/GJ)	0.00837	0.00966	0.01023	0.01033	0.01226	
100% LF Tolls (STFT Bid Floor)						
(\$/GJ)	0.2228	0.2532	0.2664	0.2689	0.3144	
STFT Bid Ceiling						
(4x Applicable 100% LF Toll) (\$/GJ)	0.8912	1.0128	1.0656	1.0756	1.2576	
IT Bid Floor (200% LF Toll)						
(\$/GJ)	0.1156	0.1314	0.1383	0.1396	0.1633	

SHORT HAUL Tolls

	St. Clair to GMI EDA	St. Clair to Philipsburg	St. Clair to East Hereford	Dawn to Union CDA	Dawn to Consumers' CDA
Distance (km)	878.00	890.97	1075.93	227.10	297.45
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	102.7838136660	104.3021577016	125.9546567627	26.5856538537	34.8212361902
FST Fixed	0.3706822932	0.3761580897	0.4542462411	0.0958792127	0.1255802370
Demand Toll (\$/GJ/yr)	112.45358	113.97740	135.70799	35.98062	44.24590
Demand Toll (\$/GJ/mo)	9.37113	9.49812	11.30900	2.99839	3.68716
Commodity					
Transmission Variable	0.0125274796	0.0127125382	0.0153515844	0.0032403082	0.0042440761
Unaccountable Losses	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
FST Variable	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Commodity Toll (\$/GJ)	0.01253	0.01271	0.01535	0.00324	0.00424
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	0.3206	0.3250	0.3872	0.1018	0.1255
STFT Bid Ceiling					
(4x Applicable 100% LF Toll) (\$/GJ)	1.2824	1.3000	1.5488	0.4072	0.5020
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.1666	0.1688	0.2013	0.0525	0.0649

	Dawn to Niagara Falls	Dawn to Chippawa	Dawn to Centra EDA	Dawn to Iroquois	Dawn to Cornwall	Dawn to Consumers' EDA
Distance (km)	300.65	303.04	563.07	653.54	692.86	697.94
Demand						
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	35.1958469006	35.4756342749	65.9162664703	76.5072136484	81.1102427524	81.7049372552
FST Fixed	0.1269312431	0.1279402758	0.2377221855	0.2759176605	0.2925181477	0.2946628698
Demand Toll (\$/GJ/yr)	44.62186	44.90266	75.45307	86.08222	90.70185	91.29869
Demand Toll (\$/GJ/mo)	3.71849	3.74189	6.28776	7.17352	7.55849	7.60822
Commodity						
Transmission Variable	0.0042897343	0.0043238353	0.0080339954	0.0093248394	0.0098858651	0.0099583475
Unaccountable Losses	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
FST Variable	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Commodity Toll (\$/GJ)	0.00429	0.00432	0.00803	0.00932	0.00989	0.00996
100% LF Tolls (STFT Bid Floor)						
(\$/GJ)	0.1265	0.1273	0.2148	0.2452	0.2584	0.2601
STFT Bid Ceiling						
(4x Applicable 100% LF Toll) (\$/GJ)	0.5060	0.5092	0.8592	0.9808	1.0336	1.0404
IT Bid Floor (200% LF Toll)						
(\$/GJ)	0.0654	0.0658	0.1114	0.1272	0.1341	0.1350

SHORT HAUL Tolls

	Dawn to Sabrevois	Dawn to GMI EDA	Dawn to Philipsburg	Dawn to East Hereford	Dawn to Centra WDA	Dawn to Centra SSMDA
Demand						
Distance (km)	835.62	854.17	867.14	1052.11	1691.91	609.00
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	97.8225630701	99.9941345320	101.5124785676	123.1661482872	198.0648771978	71.2931008230
FST Fixed	0.3527899064	0.3606215198	0.3660973163	0.4441896896	0.7143064678	0.2571133446
Demand Toll (\$/GJ/yr)	107.47	109.65	111.18	132.91	208.08	80.85
Demand Toll (\$/GJ/mo)	8.95620	9.13782	9.26481	11.07579	17.33986	6.73744
Commodity						
Transmission Variable	0.0119227933	0.0121874684	0.0123725269	0.0150117159	0.0241405103	0.0086893338
Unaccountable Losses	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
FST Variable	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Commodity Toll (\$/GJ)	0.01192	0.01219	0.01237	0.01501	0.02414	0.00869
100% LF Tolls (STFT Bid Floor)						
(\$/GJ)	0.3064	0.3126	0.3170	0.3791	0.5942	0.2302
STFT Bid Ceiling						
(4x Applicable 100% LF Toll) (\$/GJ)	1.2256	1.2504	1.2680	1.5164	2.3768	0.9208
IT Bid Floor (200% LF Toll)						
(\$/GJ)	0.1591	0.1624	0.1647	0.1971	0.3092	0.1194

	Parkway to Union CDA	Parkway to Consumers' CDA	Parkway to Niagara Falls	Parkway to Chippawa	Parkway to Centra EDA
Demand					
Distance (km)	5.96	70.57	132.71	135.10	336.19
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	0.6977124481	8.2613368228	15.5358085554	15.8155959297	39.3563671029
FST Fixed	0.0025162488	0.0297939060	0.0560287553	0.0570377879	0.1419358544
Demand Toll (\$/GJ/yr)	9.99931	17.59022	24.89092	25.17172	48.79739
Demand Toll (\$/GJ/mo)	0.83328	1.46585	2.07424	2.09764	4.06645
Commodity					
Transmission Variable	0.0000850385	0.0010069069	0.0018935328	0.0019276338	0.0047968262
Unaccountable Losses	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
FST Variable	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Commodity Toll (\$/GJ)	0.00009	0.00101	0.00189	0.00193	0.00480
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	0.0275	0.0492	0.0701	0.0709	0.1385
STFT Bid Ceiling					
(4x Applicable 100% LF Toll) (\$/GJ)	0.1100	0.1968	0.2804	0.2836	0.5540
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.0138	0.0251	0.0360	0.0364	0.0716

SHORT HAUL Tolls

	Parkway to Iroquois	Parkway to Cornwall	Parkway to Consumers' EDA	Parkway to Sabrevois	Parkway to GMI EDA	
Distance (km)	426.66	465.98	471.06	608.74	627.31	
Demand						
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873	
Transmission Fixed	49.9473142810	54.5503433851	55.1450378878	71.2626637028	73.4365764816	
FST Fixed	0.1801313294	0.1967318166	0.1988765388	0.2570035754	0.2648436325	
Demand Toll (\$/GJ/yr)	59.42653	64.04616	64.64300	80.81875	83.00051	
Demand Toll (\$/GJ/mo)	4.95221	5.33718	5.38692	6.73490	6.91671	
Commodity						
Transmission Variable	0.0060876702	0.0066486958	0.0067211783	0.0086856241	0.0089505845	
Unaccountable Losses	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	
FST Variable	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	
Commodity Toll (\$/GJ)	0.00609	0.00665	0.00672	0.00869	0.00895	
100% LF Tolls (STFT Bid Floor)						
(\$/GJ)	0.1689	0.1821	0.1838	0.2301	0.2363	
STFT Bid Ceiling						
(4x Applicable 100% LF Toll) (\$/GJ)	0.6756	0.7284	0.7352	0.9204	0.9452	
IT Bid Floor (200% LF Toll)						
(\$/GJ)	0.0875	0.0944	0.0953	0.1194	0.1226	

	Parkway to Philipsburg	Parkway to Centra WDA	Parkway to Centra SSMDA	Parkway to Centra NDA	Parkway to GMI NDA	Parkway to TCPL NDA
Distance (km)	640.26	1481.08	835.39	551.25	491.05	693.98
Demand						
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	74.9525792002	173.3838846748	97.7956379253	64.5325481588	57.4851841694	81.2413565011
FST Fixed	0.2703109852	0.6252962766	0.3526928029	0.2327319068	0.2073161049	0.2929909998
Demand Toll (\$/GJ/yr)	84.52198	183.30827	107.44742	74.06437	66.99159	90.83343
Demand Toll (\$/GJ/mo)	7.04350	15.27569	8.95395	6.17203	5.58263	7.56945
Commodity						
Transmission Variable	0.0091353577	0.0211323457	0.0119195116	0.0078653453	0.0070063996	0.0099018454
Unaccountable Losses	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
FST Variable	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Commodity Toll (\$/GJ)	0.00914	0.02113	0.01192	0.00787	0.00701	0.00990
100% LF Tolls (STFT Bid Floor)						
(\$/GJ)	0.2407	0.5233	0.3063	0.2108	0.1905	0.2588
STFT Bid Ceiling						
(4x Applicable 100% LF Toll) (\$/GJ)	0.9628	2.0932	1.2252	0.8432	0.7620	1.0352
IT Bid Floor (200% LF Toll)						
(\$/GJ)	0.1249	0.2722	0.1591	0.1093	0.0988	0.1343

SHORT HAUL Tolls

	Parkway to KPUC EDA	Parkway to Centra CDA	Parkway to East Hereford	Kirkwall to Union CDA	Kirkwall to Cons CDA	Kirkwall to Niagara Falls
Distance (km)	303.81	184.33	825.23	38.43	108.78	111.98
Demand						
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	35.5657749771	21.5787475775	96.6062489198	4.4988405002	12.7344228367	13.1090335471
FST Fixed	0.1282653616	0.0778221721	0.3484033586	0.0162247386	0.0459257629	0.0472767690
Demand Toll (\$/GJ/yr)	44.99313	30.95565	106.25374	13.81415	22.07943	22.45540
Demand Toll (\$/GJ/mo)	3.74943	2.57964	8.85448	1.15118	1.83995	1.87128
Commodity						
Transmission Variable	0.0043348218	0.0026300573	0.0117745467	0.0005483269	0.0015520948	0.0015977530
Unaccountable Losses	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
FST Variable	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Commodity Toll (\$/GJ)	0.00433	0.00263	0.01177	0.00055	0.00155	0.00160
100% LF Tolls (STFT Bid Floor)						
(\$/GJ)	0.1276	0.0874	0.3029	0.0384	0.0620	0.0631
STFT Bid Ceiling						
(4x Applicable 100% LF Toll) (\$/GJ)	0.5104	0.3496	1.2116	0.1536	0.2480	0.2524
IT Bid Floor (200% LF Toll)						
(\$/GJ)	0.0660	0.0450	0.1573	0.0195	0.0318	0.0324
	Kirkwall to Chippawa	Kirkwall to Centra EDA	Kirkwall to Iroquois	Kirkwall to Cornwall	Kirkwall to Cons EDA	
Distance (km)	114.37	374.40	464.87	504.19	509.27	
Demand						
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873	
Transmission Fixed	13.3888209214	43.8294531168	54.4204002949	59.0234293989	59.6181239017	
FST Fixed	0.0482858017	0.1580677114	0.1962631864	0.2128636736	0.2150083957	
Demand Toll (\$/GJ/yr)	22.73619	53.28661	63.91575	68.53538	69.13222	
Demand Toll (\$/GJ/mo)	1.89468	4.44055	5.32631	5.71128	5.76102	
Commodity						
Transmission Variable	0.0016318540	0.0053420141	0.0066328581	0.0071938838	0.0072663662	
Unaccountable Losses	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	
FST Variable	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	
Commodity Toll (\$/GJ)	0.00163	0.00534	0.00663	0.00719	0.00727	
100% LF Tolls (STFT Bid Floor)						
(\$/GJ)	0.0639	0.1513	0.1817	0.1950	0.1967	
STFT Bid Ceiling						
(4x Applicable 100% LF Toll) (\$/GJ)	0.2556	0.6052	0.7268	0.7800	0.7868	
IT Bid Floor (200% LF Toll)						
(\$/GJ)	0.0328	0.0783	0.0942	0.1011	0.1020	

SHORT HAUL Tolls

		Kirkwall to Sabrevois	Kirkwall to GMI EDA	Kirkwall to Philipsburg	Kirkwall to East Hereford	Niagara Falls to Consumers' CDA	Niagara Falls to Chippawa
	Distance (km)	646.95	665.50	678.47	863.44	167.15	38.67
Demand							
	Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
	Transmission Fixed	75.7357497167	77.9073211785	79.4256652141	101.0793349337	19.5675563261	4.5269363035
	FST Fixed	0.2731354323	0.2809670457	0.2864428422	0.3645352155	0.0705689582	0.0163260641
	Demand Toll (\$/GJ/yr)	85.30797	87.48737	89.01119	110.74296	28.93721	13.84235
	Demand Toll (\$/GJ/mo)	7.10900	7.29061	7.41760	9.22858	2.41143	1.15353
Commodity							
	Transmission Variable	0.0092308120	0.0094954871	0.0096805457	0.0123197346	0.0023849296	0.0005517513
	Unaccountable Losses	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
	FST Variable	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
	Commodity Toll (\$/GJ)	0.00923	0.00950	0.00968	0.01232	0.00238	0.00055
100% LF Tolls (STFT Bid Floor)							
	(\$/GJ)	0.2430	0.2492	0.2535	0.3157	0.0817	0.0385
STFT Bid Ceiling							
	(4x Applicable 100% LF Toll) (\$/GJ)	0.9720	0.9968	1.0140	1.2628	0.3268	0.1540
IT Bid Floor (200% LF Toll)							
	(\$/GJ)	0.1261	0.1293	0.1316	0.1640	0.0420	0.0195
		Niagara Falls to Centra EDA	Niagara Falls to Iroquois	Niagara Falls to Cornwall	Niagara Falls to Consumers' EDA	Niagara Falls to Sabrevois	
	Distance (km)	468.91	559.37	598.69	603.77	741.45	
Demand							
	Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873	
	Transmission Fixed	54.8933463168	65.4831228364	70.0861519404	70.6808464432	86.7984722582	
	FST Fixed	0.1979688316	0.2361600847	0.2527605719	0.2549052940	0.3130323306	
	Demand Toll (\$/GJ/yr)	64.39040	75.01837	79.63800	80.23484	96.41059	
	Demand Toll (\$/GJ/mo)	5.36587	6.25153	6.63650	6.68624	8.03422	
Commodity							
	Transmission Variable	0.0066905017	0.0079812030	0.0085422287	0.0086147111	0.0105791569	
	Unaccountable Losses	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	
	FST Variable	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	
	Commodity Toll (\$/GJ)	0.00669	0.00798	0.00854	0.00861	0.01058	
100% LF Tolls (STFT Bid Floor)							
	(\$/GJ)	0.1831	0.2135	0.2267	0.2284	0.2747	
STFT Bid Ceiling							
	(4x Applicable 100% LF Toll) (\$/GJ)	0.7324	0.8540	0.9068	0.9136	1.0988	
IT Bid Floor (200% LF Toll)							
	(\$/GJ)	0.0949	0.1107	0.1176	0.1185	0.1426	

SHORT HAUL Tolls

	Niagara Falls to GMi EDA	Niagara Falls to Philipsburg	Niagara Falls to East Hereford	Chippawa to Consumers' CDA	Chippawa to Niagara Falls	Chippawa to Centra EDA
Distance (km)	760.00	772.97	957.93	170.25	38.67	471.30
Demand						
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	88.9700437200	90.4883877556	112.1408868167	19.9304604518	4.5269363035	55.1731336911
FST Fixed	0.3208639440	0.3263397405	0.4044278919	0.0718777454	0.0163260641	0.1989778642
Demand Toll (\$/GJ/yr)	98.58999	100.11381	121.84440	29.30142	13.84235	64.67120
Demand Toll (\$/GJ/mo)	8.21583	8.34282	10.15370	2.44179	1.15353	5.38927
Commodity						
Transmission Variable	0.0108438320	0.0110288906	0.0136679368	0.0024291611	0.0005517513	0.0067246027
Unaccountable Losses	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
FST Variable	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Commodity Toll (\$/GJ)	0.01084	0.01103	0.01367	0.00243	0.00055	0.00672
100% LF Tolls (STFT Bid Floor)						
(\$/GJ)	0.2809	0.2853	0.3475	0.0827	0.0385	0.1839
STFT Bid Ceiling						
(4x Applicable 100% LF Toll) (\$/GJ)	1.1236	1.1412	1.3900	0.3308	0.1540	0.7356
IT Bid Floor (200% LF Toll)						
(\$/GJ)	0.1459	0.1482	0.1806	0.0426	0.0195	0.0953
	Chippawa to Iroquois	Chippawa to Cornwall	Chippawa to Consumers EDA	Chippawa to Sabrevois	Chippawa to GMi EDA	Chippawa to Philipsburg
Distance (km)	561.76	601.08	606.16	743.84	758.89	775.36
Demand						
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	65.7629102107	70.3659393148	70.9606338175	87.0782596325	88.8401006298	90.7681751299
FST Fixed	0.2371691173	0.2537696046	0.2559143267	0.3140413633	0.3203953138	0.3273487732
Demand Toll (\$/GJ/yr)	75.29916	79.91879	80.51563	96.69139	98.45958	100.39461
Demand Toll (\$/GJ/mo)	6.27493	6.65990	6.70964	8.05762	8.20497	8.36622
Commodity						
Transmission Variable	0.0080153040	0.0085763297	0.0086488121	0.0106132579	0.0108279943	0.0110629916
Unaccountable Losses	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
FST Variable	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Commodity Toll (\$/GJ)	0.00802	0.00858	0.00865	0.01061	0.01083	0.01106
100% LF Tolls (STFT Bid Floor)						
(\$/GJ)	0.2143	0.2275	0.2292	0.2755	0.2806	0.2861
STFT Bid Ceiling						
(4x Applicable 100% LF Toll) (\$/GJ)	0.8572	0.9100	0.9168	1.1020	1.1224	1.1444
IT Bid Floor (200% LF Toll)						
(\$/GJ)	0.1112	0.1181	0.1189	0.1431	0.1457	0.1486

SHORT HAUL Tolls

	Chippawa to East Hereford	Iroquois to Cons SWDA	Iroquois to Union SWDA	Iroquois to Union CDA	Iroquois to Cons CDA
Distance (km)	960.32	653.54	664.49	432.62	400.47
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	112.4206741910	76.5072136484	77.7890846730	50.6450267291	46.8813597481
FST Fixed	0.4054369246	0.2759176605	0.2805406344	0.1826475782	0.1690741890
Demand Toll (\$/GJ/yr)	122.12520	86.08222	87.36871	60.12676	56.34952
Demand Toll (\$/GJ/mo)	10.17710	7.17352	7.28073	5.01056	4.69579
Commodity					
Transmission Variable	0.0137020378	0.0093248394	0.0094810762	0.0061727087	0.0057139861
Unaccountable Losses	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
FST Variable	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Commodity Toll (\$/GJ)	0.01370	0.00932	0.00948	0.00617	0.00571
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	0.3483	0.2452	0.2488	0.1709	0.1601
STFT Bid Ceiling					
(4x Applicable 100% LF Toll) (\$/GJ)	1.3932	0.9808	0.9952	0.6836	0.6404
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.1810	0.1272	0.1292	0.0885	0.0829
	Iroquois to Niagara	Iroquois to Chippawa	Iroquois to Centra EDA	Iroquois to Cornwall	Iroquois to Consumers EDA
Distance (km)	559.37	561.76	98.65	48.27	93.08
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	65.4831228364	65.7629102107	11.5485458066	5.6507684347	10.8964890388
FST Fixed	0.2361600847	0.2371691173	0.0416489843	0.0203790823	0.0392973894
Demand Toll (\$/GJ/yr)	75.01837	75.29916	20.88928	14.97023	20.23487
Demand Toll (\$/GJ/mo)	6.25153	6.27493	1.74077	1.24752	1.68624
Commodity					
Transmission Variable	0.0079812030	0.0080153040	0.0014075579	0.0006887260	0.0013280841
Unaccountable Losses	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
FST Variable	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Commodity Toll (\$/GJ)	0.00798	0.00802	0.00141	0.00069	0.00133
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	0.2135	0.2143	0.0586	0.0417	0.0568
STFT Bid Ceiling					
(4x Applicable 100% LF Toll) (\$/GJ)	0.8540	0.8572	0.2344	0.1668	0.2272
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.1107	0.1112	0.0300	0.0212	0.0290

SHORT HAUL Tolls

	Iroquois to Sabrevois	Iroquois to GMI EDA	Iroquois to Philipsburg	Iroquois to East Hereford	East Hereford to Cons SWDA	
Distance (km)	191.02	209.58	222.55	407.51	1052.10	
Demand						
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873	
Transmission Fixed	22.3619180939	24.5346602143	26.0530042499	47.7055033110	123.1649776287	
FST Fixed	0.0806466192	0.0884824545	0.0939582510	0.1720464024	0.4441854677	
Demand Toll (\$/GJ/yr)	31.74165	33.92223	35.44605	57.17663	132.90825	
Demand Toll (\$/GJ/mo)	2.64514	2.82685	2.95384	4.76472	11.07569	
Commodity						
Transmission Variable	0.0027255116	0.0029903294	0.0031753879	0.0058144342	0.0150115732	
Unaccountable Losses	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	
FST Variable	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	
Commodity Toll (\$/GJ)	0.00273	0.00299	0.00318	0.00581	0.01501	
100% LF Tolls (STFT Bid Floor)						
(\$/GJ)	0.0897	0.0959	0.1003	0.1625	0.3791	
STFT Bid Ceiling						
(4x Applicable 100% LF Toll) (\$/GJ)	0.3588	0.3836	0.4012	0.6500	1.5164	
IT Bid Floor (200% LF Toll)						
(\$/GJ)	0.0462	0.0495	0.0517	0.0841	0.1971	

	East Hereford to Union SWDA	East Hereford to Union CDA	East Hereford to Cons CDA	East Hereford to Centra EDA	East Hereford to Consumers EDA	East Hereford to GMI EDA
Distance (km)	1063.05	831.18	799.03	490.69	473.34	324.14
Demand						
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	124.4468486534	97.3027907095	93.5391237284	57.4430404644	55.4119480190	37.9457236466
FST Fixed	0.4488084417	0.3509153855	0.3373419963	0.2071641167	0.1998391306	0.1368484721
Demand Toll (\$/GJ/yr)	134.19474	106.95279	103.17555	66.94929	64.91087	47.38166
Demand Toll (\$/GJ/mo)	11.18290	8.91273	8.59796	5.57911	5.40924	3.94847
Commodity						
Transmission Variable	0.0151678100	0.0118594425	0.0114007198	0.0070012631	0.0067537098	0.0046248943
Unaccountable Losses	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
FST Variable	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Commodity Toll (\$/GJ)	0.01517	0.01186	0.01140	0.00700	0.00675	0.00462
100% LF Tolls (STFT Bid Floor)						
(\$/GJ)	0.3828	0.3049	0.2941	0.1904	0.1846	0.1344
STFT Bid Ceiling						
(4x Applicable 100% LF Toll) (\$/GJ)	1.5312	1.2196	1.1764	0.7616	0.7384	0.5376
IT Bid Floor (200% LF Toll)						
(\$/GJ)	0.1990	0.1584	0.1527	0.0987	0.0957	0.0695