

**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)

Miscellaneous Tolls

	Empress to Dawn Export	Empress to Herbert Export	St. Mathieu to Philipsburg	Herbert to Herbert (Export)	Empress to S.S. Marie Export
Distance (km)	2613.37	192.73	56.88	0.03	2157.94
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	305.9363725744	22.5621006923	6.6587053774	0.0035119754	252.6210738752
FST Fixed	1.1033371123	0.0813685631	0.0240141331	0.0000126657	0.9110593938
Demand Toll (\$/GJ/yr)	316.33879	31.94255	15.98180	9.30261	262.83122
Demand Toll (\$/GJ/mo)	26.36157	2.66188	1.33182	0.77522	21.90260
Commodity					
Transmission Variable	0.0372880858	0.0027499102	0.0008115752	0.0000004280	0.0307899195
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)	0.03729	0.00275	0.00081	0.00000	0.03079
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	0.9040	0.0903	0.0446	0.0255	0.7509
STFT Bid Ceiling					
(4x Applicable 100% LF Toll) (\$/GJ)	4.4448	4.0939	0.1784	0.1020	4.4448
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.4706	0.0465	0.0227	0.0127	0.3908

LONG HAUL Tolls (Saskatchewan Receipt)

	Suffield to Manitoba Zone	Suffield to Western Zone	Suffield to Northern Zone	Suffield to Eastern Zone	Suffield to Emerson
Distance (km)	895.99	1507.94	2347.28	2922.21	1021.31
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	104.8898282535	176.5282733252	274.7863213462	342.0909887619	119.5605201996
FST Fixed	0.3782774805	0.6366362838	0.9909967348	1.2337260866	0.4311862561
Demand Toll (\$/GJ/yr)	114.56719	186.46399	285.07640	352.62380	129.29079
Demand Toll (\$/GJ/mo)	9.54727	15.53867	23.75637	29.38532	10.77423
Commodity					
Transmission Variable	0.0127841645	0.0215155895	0.0334914605	0.0416946767	0.0145722553
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)	0.01278	0.02152	0.03349	0.04169	0.01457
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	0.3267	0.5324	0.8145	1.0078	0.3688
STFT Bid Ceiling					
(4x 100% LF Toll to Philipsburg) (\$/GJ)	4.0939	4.0939	4.4448	4.4448	4.0939
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.1697	0.277	0.4240	0.5247	0.1917

	Suffield to St. Clair	Suffield to Niagara	Suffield to Chippawa	Suffield to Iroquois	Suffield to Cornwall
Distance (km)	2587.61	3005.03	3007.42	3021.04	3053.58
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	302.9207563557	351.7863822104	352.0661695847	353.6606064209	357.4699290823
FST Fixed	1.0924615133	1.2686918127	1.2697008453	1.2754510650	1.2891891081
Demand Toll (\$/GJ/yr)	313.31230	362.35416	362.63496	364.23514	368.05820
Demand Toll (\$/GJ/mo)	26.10936	30.19618	30.21958	30.35293	30.67152
Commodity					
Transmission Variable	0.0369205370	0.0428763690	0.0429104700	0.0431048029	0.0435690902
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)	0.03692	0.04288	0.04291	0.04310	0.04357
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	0.8953	1.0356	1.0364	1.0410	1.0519
STFT Bid Ceiling					
(4x 100% LF Toll to Philipsburg) (\$/GJ)	4.4448	4.4448	4.4448	4.4448	4.4448
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.4661	0.5393	0.5397	0.5421	0.5478

LONG HAUL Tolls (Saskatchewan Receipt)

	Suffield to Sabrevois	Suffield to Napierville	Suffield to Philipsburg	Suffield to East Hereford	Suffield to Sask. Zone
Distance (km)	3196.33	3210.40	3227.86	3412.82	328.85
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	374.1810787415	375.8281952088	377.8721648974	399.5246639585	38.4967525884
FST Fixed	1.3494566449	1.3553968498	1.3627682767	1.4408564281	0.1388357176
Demand Toll (\$/GJ/yr)	384.82962	386.48268	388.53402	410.26461	47.93467
Demand Toll (\$/GJ/mo)	32.06914	32.20689	32.37784	34.18872	3.99456
Commodity					
Transmission Variable	0.0456058757	0.0458066293	0.0460557521	0.0486947983	0.0046920548
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)	0.04561	0.04581	0.04606	0.04869	0.00469
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	1.0999	1.1047	1.1105	1.1727	0.1360
STFT Bid Ceiling					
(4x 100% LF Toll to Philipsburg) (\$/GJ)	4.4448	4.4448	4.4448	4.4448	4.0939
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.5728	0.5752	0.5783	0.6107	0.0704

	Richmond to Manitoba Zone	Richmond to Western Zone	Richmond to Northern Zone	Richmond to Eastern Zone	Richmond to Emerson
Distance (km)	895.80	1507.75	2347.09	2922.02	1021.12
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	104.8675857426	176.5060308143	274.7640788352	342.0687462509	119.5382776886
FST Fixed	0.3781972645	0.6365560679	0.9909165188	1.2336458706	0.4311060401
Demand Toll (\$/GJ/yr)	114.54487	186.44167	285.05408	352.60148	129.26847
Demand Toll (\$/GJ/mo)	9.54541	15.53681	23.75451	29.38346	10.77237
Commodity					
Transmission Variable	0.0127814536	0.0215128786	0.0334887495	0.0416919658	0.0145695444
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)	0.01278	0.02151	0.03349	0.04169	0.01457
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	0.3266	0.5323	0.8145	1.0077	0.3687
STFT Bid Ceiling					
(4x 100% LF Toll to Philipsburg) (\$/GJ)	4.0939	4.0939	4.4448	4.4448	4.0939
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.1697	0.2769	0.4240	0.5247	0.1917

LONG HAUL Tolls (Saskatchewan Receipt)

	Richmond to St. Clair	Richmond to Niagara	Richmond to Chippawa	Richmond to Iroquois	Richmond to Cornwall
Distance (km)	2587.42	3004.84	3007.23	3020.85	3053.39
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	302.8985138447	351.7641396995	352.0439270738	353.6383639100	357.4476865713
FST Fixed	1.0923812973	1.2686115967	1.2696206294	1.2753708490	1.2891088921
Demand Toll (\$/GJ/yr)	313.28998	362.33184	362.61263	364.21282	368.03588
Demand Toll (\$/GJ/mo)	26.10750	30.19432	30.21772	30.35107	30.66966
Commodity					
Transmission Variable	0.0369178260	0.0428736581	0.0429077591	0.0431020920	0.0435663792
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)	0.03692	0.04287	0.04291	0.04310	0.04357
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	0.8952	1.0356	1.0364	1.0409	1.0519
STFT Bid Ceiling					
(4x 100% LF Toll to Philipsburg) (\$/GJ)	4.4448	4.4448	4.4448	4.4448	4.4448
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.4661	0.5392	0.5396	0.542	0.5477

	Richmond to Sabrevois	Richmond to Napierville	Richmond to Philipsburg	Richmond to East Hereford	Richmond to Sask. Zone
Distance (km)	3196.14	3210.21	3227.67	3412.63	328.66
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	374.1586020989	375.8057185662	377.8496882548	399.5021873159	38.4746271433
FST Fixed	1.3493755845	1.3553157894	1.3626872163	1.4407753677	0.1387559238
Demand Toll (\$/GJ/yr)	384.80706	386.46012	388.51146	410.24205	47.91247
Demand Toll (\$/GJ/mo)	32.06726	32.20501	32.37596	34.18684	3.99271
Commodity					
Transmission Variable	0.0456031362	0.0458038898	0.0460530126	0.0486920588	0.0046893581
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)	0.04560	0.04580	0.04605	0.04869	0.00469
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	1.0999	1.1046	1.1105	1.1726	0.1360
STFT Bid Ceiling					
(4x 100% LF Toll to Philipsburg) (\$/GJ)	4.4448	4.4448	4.4448	4.4448	4.4448
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.5727	0.5752	0.5783	0.6107	0.0703

LONG HAUL Tolls (Saskatchewan Receipt)

	Bayhurst to Manitoba Zone	Bayhurst to Western Zone	Bayhurst to Northern Zone	Bayhurst to Eastern Zone	Bayhurst to Emerson
Distance (km)	867.67	1479.62	2318.96	2893.89	992.99
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	101.5745234665	173.2129685381	271.4710165591	338.7756839748	116.2452154125
FST Fixed	0.3663210767	0.6246798800	0.9790403310	1.2217696828	0.4192298523
Demand Toll (\$/GJ/yr)	111.23993	183.13673	281.74914	349.29654	125.96353
Demand Toll (\$/GJ/mo)	9.26999	15.26139	23.47910	29.10805	10.49696
Commodity					
Transmission Variable	0.0123800891	0.0211115141	0.0330873851	0.0412906013	0.0141681799
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)	0.01238	0.02111	0.03309	0.04129	0.01417
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	0.3171	0.5229	0.8050	0.9983	0.3593
STFT Bid Ceiling					
(4x 100% LF Toll to Philipsburg) (\$/GJ)	4.0939	4.0939	4.4448	4.4448	4.0939
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.1648	0.2720	0.4190	0.5198	0.1867

	Bayhurst to St. Clair	Bayhurst to Niagara	Bayhurst to Chippawa	Bayhurst to Iroquois	Bayhurst to Cornwall
Distance (km)	2559.29	2976.71	2979.1	2992.72	3025.26
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	299.6054515686	348.4710774234	348.7508647977	350.3453016338	354.1546242952
FST Fixed	1.0805051095	1.2567354089	1.2577444415	1.2634946612	1.2772327042
Demand Toll (\$/GJ/yr)	309.98504	359.02690	359.30769	360.90788	364.73094
Demand Toll (\$/GJ/mo)	25.83209	29.91891	29.94231	30.07566	30.39425
Commodity					
Transmission Variable	0.0365164616	0.0424722936	0.0425063946	0.0427007275	0.0431650147
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)	0.03652	0.04247	0.04251	0.04270	0.04317
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	0.8858	1.0261	1.0269	1.0315	1.0424
STFT Bid Ceiling					
(4x 100% LF Toll to Philipsburg) (\$/GJ)	4.4448	4.4448	4.4448	4.4448	4.4448
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.4612	0.5343	0.5347	0.5371	0.5428

LONG HAUL Tolls (Saskatchewan Receipt)

	Bayhurst to Sabrevois	Bayhurst to Napierville	Bayhurst to Philipsburg	Bayhurst to East Hereford	Bayhurst to Sask. Zone	Bayhurst to S.S. Marie X
Distance (km)	3168.01	3182.08	3199.54	3384.5	300.526	2127.6
Demand						
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	370.8657739545	372.5128904218	374.5568601104	396.2093591715	35.1813307355	249.0692960772
FST Fixed	1.3375002411	1.3434404460	1.3508118729	1.4289000243	0.1268788916	0.8982501674
Demand Toll (\$/GJ/yr)	381.50236	383.15542	385.20676	406.93734	44.60729	259.26663
Demand Toll (\$/GJ/mo)	31.79186	31.92962	32.10056	33.91145	3.71727	21.60555
Commodity						
Transmission Variable	0.0452018003	0.0454025539	0.0456516766	0.0482907229	0.0042879651	0.0303570223
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)	0.04520	0.04540	0.04565	0.04829	0.00429	0.03036
100% LF Tolls (STFT Bid Floor)						
(\$/GJ)	1.0904	1.0951	1.1010	1.1632	0.1265	0.7407
STFT Bid Ceiling						
(4x 100% LF Toll to Philipsburg) (\$/GJ)	4.4448	4.4448	4.4448	4.4448	4.4448	4.4448
IT Bid Floor (200% LF Toll)						
(\$/GJ)	0.5678	0.5703	0.5733	0.6057	0.0654	0.3855

	Liebenthal to Manitoba Zone	Liebenthal to Western Zone	Liebenthal to Northern Zone	Liebenthal to Eastern Zone	Liebenthal to Emerson
Distance (km)	854.42	1466.37	2305.71	2880.64	979.74
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	100.0234009937	171.6618460654	269.9198940864	337.2245615021	114.6940929398
FST Fixed	0.3607270671	0.6190858705	0.9734463215	1.2161756732	0.4136358428
Demand Toll (\$/GJ/yr)	109.68321	181.58002	280.19243	347.73982	124.40681
Demand Toll (\$/GJ/mo)	9.14027	15.13167	23.34937	28.97832	10.36723
Commodity					
Transmission Variable	0.0121910354	0.0209224604	0.0328983314	0.0411015476	0.0139791263
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)	0.01219	0.02092	0.03290	0.04110	0.01398
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	0.3127	0.5184	0.8006	0.9938	0.3548
STFT Bid Ceiling					
(4x 100% LF Toll to Philipsburg) (\$/GJ)	4.0939	4.0939	4.4448	4.4448	4.0939
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.1624	0.2697	0.4167	0.5175	0.1844

LONG HAUL Tolls (Saskatchewan Receipt)

	Liebenthal to St. Clair	Liebenthal to Niagara	Liebenthal to Chippawa	Liebenthal to Iroquois	Liebenthal to Cornwall
Distance (km)	2546.04	2963.46	2965.85	2979.47	3012.01
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	298.0543290959	346.9199549506	347.1997423250	348.7941791611	352.6035018225
FST Fixed	1.0749111000	1.2511413993	1.2521504320	1.2579006516	1.2716386947
Demand Toll (\$/GJ/yr)	308.42833	357.47018	357.75098	359.35117	363.17423
Demand Toll (\$/GJ/mo)	25.70236	29.78918	29.81258	29.94593	30.26452
Commodity					
Transmission Variable	0.0363274079	0.0422832400	0.0423173410	0.0425116739	0.0429759611
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)	0.03633	0.04228	0.04232	0.04251	0.04298
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	0.8813	1.0217	1.0225	1.0270	1.0380
STFT Bid Ceiling					
(4x 100% LF Toll to Philipsburg) (\$/GJ)	4.4448	4.4448	4.4448	4.4448	4.4448
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.4588	0.5320	0.5324	0.5348	0.5405

	Liebenthal to Sabrevois	Liebenthal to Napierville	Liebenthal to Philipsburg	Liebenthal to East Hereford	Liebenthal to Sask. Zone
Distance (km)	3154.76	3168.83	3186.29	3371.25	287.28
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	369.3146514817	370.9617679490	373.0057376376	394.6582366988	33.6310277237
FST Fixed	1.3319062315	1.3378464364	1.3452178633	1.4233060148	0.1212878374
Demand Toll (\$/GJ/yr)	379.94564	381.59870	383.65004	405.38063	43.05140
Demand Toll (\$/GJ/mo)	31.66214	31.79989	31.97084	33.78172	3.58762
Commodity					
Transmission Variable	0.0450127466	0.0452135002	0.0454626230	0.0481016693	0.0040990113
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)	0.04501	0.04521	0.04546	0.04810	0.00410
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	1.0860	1.0907	1.0966	1.1587	0.1220
STFT Bid Ceiling					
(4x 100% LF Toll to Philipsburg) (\$/GJ)	4.4448	4.4448	4.4448	4.4448	4.4448
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.5655	0.5679	0.5710	0.6034	0.0631

LONG HAUL Tolls (Saskatchewan Receipt)

	Success to Manitoba Zone	Success to Western Zone	Success to Northern Zone	Success to Eastern Zone	Success to Emerson
Distance (km)	762.52	1374.47	2213.81	2788.74	887.84
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	89.2650496544	160.9034947261	259.1615427471	326.4662101628	103.9357416005
FST Fixed	0.3219278613	0.5802866646	0.9346471156	1.1773764674	0.3748366369
Demand Toll (\$/GJ/yr)	98.88606	170.78287	269.39528	336.94267	113.60966
Demand Toll (\$/GJ/mo)	8.24051	14.23191	22.44961	28.07856	9.46747
Commodity					
Transmission Variable	0.0108797879	0.0196112129	0.0315870838	0.0397903001	0.0126678787
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)	0.01088	0.01961	0.03159	0.03979	0.01267
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	0.2818	0.4875	0.7697	0.9629	0.3239
STFT Bid Ceiling					
(4x 100% LF Toll to Philipsburg) (\$/GJ)	4.0939	4.0939	4.4448	4.4448	4.0939
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.1463	0.2536	0.4006	0.5014	0.1683

	Success to St. Clair	Success to Niagara	Success to Chippawa	Success to Iroquois	Success to Cornwall
Distance (km)	2454.14	2871.56	2873.95	2887.57	2920.11
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	287.2959777566	336.1616036113	336.4413909857	338.0358278218	341.8451504832
FST Fixed	1.0361118941	1.2123421935	1.2133512261	1.2191014458	1.2328394888
Demand Toll (\$/GJ/yr)	297.63117	346.67303	346.95383	348.55401	352.37708
Demand Toll (\$/GJ/mo)	24.80260	28.88942	28.91282	29.04617	29.36476
Commodity					
Transmission Variable	0.0350161603	0.0409719924	0.0410060934	0.0412004263	0.0416647135
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)	0.03502	0.04097	0.04101	0.04120	0.04166
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	0.8504	0.9908	0.9916	0.9961	1.0071
STFT Bid Ceiling					
(4x 100% LF Toll to Philipsburg) (\$/GJ)	4.4448	4.4448	4.4448	4.4448	4.4448
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.4427	0.5159	0.5163	0.5187	0.5244

LONG HAUL Tolls (Saskatchewan Receipt)

	Success to Sabrevois	Success to Napierville	Success to Philipsburg	Success to East Hereford	Success to Sask. Zone	Success to Herbert X
Distance (km)	3062.86	3076.93	3094.39	3279.35	195.38	57.22
Demand						
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	358.5563001424	360.2034166097	362.2473862983	383.8998853595	22.8719739893	6.6985077653
FST Fixed	1.2931070257	1.2990472305	1.3064186575	1.3845068089	0.0824860984	0.0241576775
Demand Toll (\$/GJ/yr)	369.14849	370.80155	372.85289	394.58348	32.25355	16.02175
Demand Toll (\$/GJ/mo)	30.76237	30.90013	31.07107	32.88196	2.68780	1.33515
Commodity						
Transmission Variable	0.0437014991	0.0439022526	0.0441513754	0.0467904217	0.0027876781	0.0008164264
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)	0.04370	0.04390	0.04415	0.04679	0.00279	0.00082
100% LF Tolls (STFT Bid Floor)						
(\$/GJ)	1.0551	1.0598	1.0657	1.1278	0.0912	0.0447
STFT Bid Ceiling						
(4x 100% LF Toll to Philipsburg) (\$/GJ)	4.4448	4.4448	4.4448	4.4448	4.4448	4.4448
IT Bid Floor (200% LF Toll)						
(\$/GJ)	0.5494	0.5518	0.5549	0.5873	0.0470	0.0228

	Herbert to Manitoba Zone	Herbert to Western Zone	Herbert to Northern Zone	Herbert to Eastern Zone	Herbert to Emerson
Distance (km)	705.30	1317.25	2156.59	2731.52	830.62
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	82.5665418891	154.2049869608	252.4630349817	319.7677023974	97.2372338351
FST Fixed	0.2977701838	0.5561289872	0.9104894381	1.1532187899	0.3506789594
Demand Toll (\$/GJ/yr)	92.16340	164.06020	262.67261	330.22001	106.88700
Demand Toll (\$/GJ/mo)	7.68028	13.67168	21.88938	27.51833	8.90725
Commodity					
Transmission Variable	0.0100633615	0.0187947865	0.0307706574	0.0389738737	0.0118514523
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)	0.01006	0.01879	0.03077	0.03897	0.01185
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	0.2626	0.4683	0.7504	0.9437	0.3047
STFT Bid Ceiling					
(4x 100% LF Toll to Philipsburg) (\$/GJ)	4.0939	4.0939	4.4448	4.4448	4.0939
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.1363	0.2435	0.3906	0.4913	0.1583

LONG HAUL Tolls (Saskatchewan Receipt)

	Herbert to St. Clair	Herbert to Niagara	Herbert to Chippawa	Herbert to Iroquois	Herbert to Cornwall
Distance (km)	2396.92	2814.34	2816.73	2830.35	2862.89
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	280.5974699912	329.4630958460	329.7428832203	331.3373200565	335.1466427178
FST Fixed	1.0119542166	1.1881845160	1.1891935487	1.1949437683	1.2086818114
Demand Toll (\$/GJ/yr)	290.90851	339.95037	340.23116	341.83135	345.65441
Demand Toll (\$/GJ/mo)	24.24238	28.32920	28.35260	28.48595	28.80453
Commodity					
Transmission Variable	0.0341997339	0.0401555660	0.0401896670	0.0403839999	0.0408482871
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)	0.03420	0.04016	0.04019	0.04038	0.04085
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	0.8312	0.9715	0.9723	0.9769	0.9878
STFT Bid Ceiling					
(4x 100% LF Toll to Philipsburg) (\$/GJ)	4.4448	4.4448	4.4448	4.4448	4.4448
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.4327	0.5058	0.5063	0.5086	0.5143

	Herbert to Sabrevois	Herbert to Napierville	Herbert to Philipsburg	Herbert to East Hereford	Herbert to Sask. Zone
Distance (km)	3005.64	3019.71	3037.17	3222.13	138.16
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	351.8577923771	353.5049088444	355.5488785330	377.2013775941	16.1732320923
FST Fixed	1.2689493482	1.2748895531	1.2822609800	1.3603491314	0.0583275766
Demand Toll (\$/GJ/yr)	362.42583	364.07888	366.13022	387.86081	25.53064
Demand Toll (\$/GJ/mo)	30.20215	30.33991	30.51085	32.32173	2.12755
Commodity					
Transmission Variable	0.0428850726	0.0430858262	0.0433349490	0.0459739953	0.0019712232
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)	0.04289	0.04309	0.04333	0.04597	0.00197
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	1.0358	1.0406	1.0464	1.1086	0.0719
STFT Bid Ceiling					
(4x 100% LF Toll to Philipsburg) (\$/GJ)	4.4448	4.4448	4.4448	4.4448	4.4448
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.5394	0.5418	0.5449	0.5773	0.0369

LONG HAUL Tolls (Saskatchewan Receipt)

	Steelman to Manitoba Zone	Steelman to Western Zone	Steelman to Northern Zone	Steelman to Eastern Zone	Steelman to Emerson
Distance (km)	514.07	1126.02	1965.36	2540.29	639.39
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	60.1800399673	131.8184850389	230.0765330599	297.3812004756	74.8507319133
FST Fixed	0.2170349049	0.4753937082	0.8297541592	1.0724835109	0.2699436805
Demand Toll (\$/GJ/yr)	69.69616	141.59296	240.20537	307.75277	84.41976
Demand Toll (\$/GJ/mo)	5.80801	11.79941	20.01711	25.64606	7.03498
Commodity					
Transmission Variable	0.0073348536	0.0160662786	0.0280421496	0.0362453658	0.0091229444
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)	0.00733	0.01607	0.02804	0.03625	0.00912
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	0.1983	0.4040	0.6861	0.8794	0.2404
STFT Bid Ceiling					
(4x 100% LF Toll to Philipsburg) (\$/GJ)	4.0939	4.0939	4.4448	4.4448	4.0939
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.1028	0.2100	0.3571	0.4578	0.1248

	Steelman to St. Clair	Steelman to Niagara	Steelman to Chippawa	Steelman to Iroquois	Steelman to Cornwall
Distance (km)	2205.69	2623.11	2625.50	2639.12	2671.66
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	258.2109680694	307.0765939242	307.3563812985	308.9508181346	312.7601407960
FST Fixed	0.9312189377	1.1074492370	1.1084582697	1.1142084893	1.1279465324
Demand Toll (\$/GJ/yr)	268.44127	317.48313	317.76392	319.36411	323.18717
Demand Toll (\$/GJ/mo)	22.37011	26.45568	26.48033	26.61368	26.93226
Commodity					
Transmission Variable	0.0314712261	0.0374270581	0.0374611591	0.0376554920	0.0381197792
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)	0.03147	0.03743	0.03746	0.03766	0.03812
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	0.7669	0.9072	0.9080	0.9126	0.9236
STFT Bid Ceiling					
(4x 100% LF Toll to Philipsburg) (\$/GJ)	4.4448	4.4448	4.4448	4.4448	4.4448
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.3992	0.4723	0.4728	0.4751	0.4808

LONG HAUL Tolls (Saskatchewan Receipt)

	Steelman to Sabrevois	Steelman to Napierville	Steelman to Philipsburg	Steelman to East Hereford
Distance (km)	2814.41	2828.48	2845.94	3030.9
Demand				
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	329.4712904553	331.1184069226	333.1623766112	354.8148756723
FST Fixed	1.1882140693	1.1941542741	1.2015257010	1.2796138525
Demand Toll (\$/GJ/yr)	339.95859	341.61165	343.66299	365.39357
Demand Toll (\$/GJ/mo)	28.32988	28.46764	28.63873	30.44946
Commodity				
Transmission Variable	0.0401565648	0.0403573183	0.0406064411	0.0432454874
Unaccountable Losses	0.0000000000	0.0000000000	0.0000000000	0.0000000000
FST Variable	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Commodity Toll (\$/GJ)	0.04016	0.04036	0.04061	0.04325
100% LF Tolls (STFT Bid Floor)				
(\$/GJ)	0.9716	0.9763	0.9822	1.0443
STFT Bid Ceiling				
(4x 100% LF Toll to Philipsburg) (\$/GJ)	4.4448	4.4448	4.4448	4.4448
IT Bid Floor (200% LF Toll)				
(\$/GJ)	0.5059	0.5083	0.5114	0.5438

	Welwyn to Manitoba Zone	Welwyn to Western Zone	Welwyn to Northern Zone	Welwyn to Eastern Zone	Welwyn to Emerson
Distance (km)	286.43	898.38	1737.72	2312.65	411.75
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	33.5311705562	105.1696156279	203.4276636488	270.7323310646	48.2018625023
FST Fixed	0.1209277098	0.3792865132	0.7336469642	0.9763763159	0.1738364855
Demand Toll (\$/GJ/yr)	42.95118	114.84799	213.46040	281.00779	57.67478
Demand Toll (\$/GJ/mo)	3.62626	9.57067	17.78837	23.41732	4.80623
Commodity					
Transmission Variable	0.0040868405	0.0128182655	0.0247941365	0.0329973527	0.0058749314
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)	0.00409	0.01282	0.02479	0.03300	0.00587
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	0.1233	0.3275	0.6096	0.8029	0.1639
STFT Bid Ceiling					
(4x 100% LF Toll to Philipsburg) (\$/GJ)	4.0939	4.0939	4.4448	4.4448	4.0939
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.0637	0.1701	0.3172	0.4179	0.0849

LONG HAUL Tolls (Saskatchewan Receipt)

	Welwyn to St. Clair	Welwyn to Niagara	Welwyn to Chippawa	Welwyn to Iroquois	Welwyn to Cornwall
Distance (km)	1978.05	2395.47	2397.86	2411.48	2444.02
Demand					
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	231.5620986584	280.4277245131	280.7075118874	282.3019487236	286.1112713849
FST Fixed	0.8351117427	1.0113420420	1.0123510747	1.0181012943	1.0318393374
Demand Toll (\$/GJ/yr)	241.69630	290.73815	291.01895	292.61914	296.44220
Demand Toll (\$/GJ/mo)	20.14136	24.22818	24.25158	24.38493	24.70352
Commodity					
Transmission Variable	0.0282232130	0.0341790451	0.0342131461	0.0344074789	0.0348717662
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)	0.02822	0.03418	0.03421	0.03441	0.03487
100% LF Tolls (STFT Bid Floor)					
(\$/GJ)	0.6904	0.8307	0.8315	0.8361	0.8470
STFT Bid Ceiling					
(4x 100% LF Toll to Philipsburg) (\$/GJ)	4.4448	4.4448	4.4448	4.4448	4.4448
IT Bid Floor (200% LF Toll)					
(\$/GJ)	0.3593	0.4325	0.4329	0.4353	0.4410

	Welwyn to Sabrevois	Welwyn to Napierville	Welwyn to Philipsburg	Welwyn to East Hereford
Distance (km)	2586.77	2600.84	2618.3	2803.26
Demand				
Metering	9.2990851873	9.2990851873	9.2990851873	9.2990851873
Transmission Fixed	302.8224210442	304.4695375115	306.5135072001	328.1660062612
FST Fixed	1.0921068742	1.0980470791	1.1054185060	1.1835066574
Demand Toll (\$/GJ/yr)	313.21361	314.86667	316.91801	338.64860
Demand Toll (\$/GJ/mo)	26.10113	26.23889	26.40983	28.22072
Commodity				
Transmission Variable	0.0369085517	0.0371093053	0.0373584281	0.0399974743
Unaccountable Losses	0.0000000000	0.0000000000	0.0000000000	0.0000000000
FST Variable	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Commodity Toll (\$/GJ)	0.03691	0.03711	0.03736	0.04000
100% LF Tolls (STFT Bid Floor)				
(\$/GJ)	0.8950	0.8998	0.9056	0.9678
STFT Bid Ceiling				
(4x 100% LF Toll to Philipsburg) (\$/GJ)	4.4448	4.4448	4.4448	4.4448
IT Bid Floor (200% LF Toll)				
(\$/GJ)	0.4660	0.4684	0.4715	0.5039