



TransCanada

In business to deliver

TransCanada PipeLines Limited

450 - 1st Street S.W.

Calgary, Alberta, Canada T2P 5H1

Tel (403) 920-2059

Fax (403) .920-2391

Email dave_murray@transcanada.com

February 7, 2007

Alberta Energy and Utilities Board
640 - Fifth Avenue S.W.
Calgary, Alberta
T2P 3G4

Attention: Mr. Ken Sharp, P. Eng., Manager
Applications Branch, Facilities Applications

Re: December 2006 Annual Plan Revision

NOVA Gas Transmission Ltd. ("NGTL") submitted the December 2006 Annual Plan to the Alberta Energy and Utilities Board ("Board") on December 15, 2006, as required under Section "D" of Board Informational Letter IL 90-8, and as revised by Board Informational Letter IL 98-5.

Since the filing of the December 2006 Annual Plan it has come to NGTL's attention that there is an error in Chapter 3, Table 3.4.2.2, on page 3-10. The volume shown in the table for the 07/08 Gas Year at the Alberta/B.C. Export Delivery Point, listed as $53.5 \times 10^6 \text{m}^3/\text{d}$ (1.9 Bcf/d), should be $69.8 \times 10^6 \text{m}^3/\text{d}$ (2.48 Bcf/d). Correction of this volume also results in minor consequential changes to Chapter 4 and Appendices 4 and 5.

To effect the revisions in Chapter 3, Chapter 4 and Appendices 4 and 5, NGTL attaches the following replacement pages for the December 2006 Annual Plan: 3-7; 3-8; 3-10; 3-12; 4-25; Appendix 4 (pg. 11 of 14); and Appendix 5, 2007/08 Gas Year Western Alberta Mainline Design Sub Area Summer Design. Also attached is a black lined copy of the affected pages.

The December 2006 Annual Plan has been updated on TransCanada PipeLines Limited's web site at: http://www.transcanada.com/Alberta/regulatory_info/facilities/index.html. All Customers and other interested parties are advised of the filing of the December 2006 Annual Plan Revision with the Board. A copy of this letter and attachments has been posted on TransCanada PipeLines Limited's web site.

Should you have any questions or comments, please contact Darlene Maier at (403) 920-5108.

Yours truly,

NOVA Gas Transmission Ltd.
a wholly owned subsidiary of TransCanada PipeLines Limited

Original Signed By

Dave Murray, P.Eng.
Manager,
Regulatory Services – Facilities

Attachments

3.4 Gas Delivery Forecast

The gas delivery forecast describes one of the two principal components of the June 2006 design forecast. The second component, the receipt forecast, is described in Section 3.5.

3.4.1 System Maximum Day Delivery Forecast

The system maximum day delivery forecast projects aggregate maximum day delivery for the entire Alberta System in each of the winter and summer seasons for the 2006/07 through 2010/11 Gas Years. NGTL does not anticipate delivering the maximum day delivery at all Delivery Points simultaneously, although the maximum day delivery at individual Delivery Points may occur at some time during a season.

A breakdown of the system maximum day delivery forecast for both the winter and summer seasons of the 2007/08 Gas Year is provided in Tables 3.4.2.1 and 3.4.2.2. The June 2006 forecast indicates a winter system maximum day delivery of 316.6 $10^6\text{m}^3/\text{d}$ (11.25 Bcf/d) for the 2007/08 Gas Year. This represents an increase of 3.3 $10^6\text{m}^3/\text{d}$ (0.13 Bcf/d), or 1.1 percent from the winter system maximum day delivery in the June 2006 forecast for the 2006/07 Gas Year.

NGTL's June 2006 forecast of winter system maximum day delivery for the 2007/08 Gas Year includes deliveries to the major Export Delivery Points (Empress, McNeill, Alberta/British Columbia) of 184.3 $10^6\text{m}^3/\text{d}$ (6.55 Bcf/d), deliveries to other Export Delivery Points of 0.0 $10^6\text{m}^3/\text{d}$ (0.00 Bcf/d), and deliveries to Alberta Delivery Points of 132.3 $10^6\text{m}^3/\text{d}$ (4.70 Bcf/d.).

The June 2006 summer system maximum day delivery forecast for the 2007/08 Gas Year is ~~264.3~~280.6 $10^6\text{m}^3/\text{d}$ (~~9.399.97~~ Bcf/d). This represents ~~a decrease an~~
increase of ~~8.77.6~~ $10^6\text{m}^3/\text{d}$ (~~0.310.27~~

Bcf/d), or ~~3.22.8~~ percent, from the summer system maximum day delivery forecast for the 2006/07 Gas Year.

NGTL's June 2006 forecast of summer system maximum day delivery for the 2007/08 Gas Year includes deliveries to the major Export Delivery Points (Empress, McNeill, Alberta/British Columbia) of ~~463.0~~179.3 $10^6\text{m}^3/\text{d}$ (~~5.796.37~~ Bcf/d), deliveries to other Export Delivery Points of $0.0\ 10^6\text{m}^3/\text{d}$ (0.0 Bcf/d) and deliveries to Alberta Delivery Points of $101.3\ 10^6\text{m}^3/\text{d}$ (3.60 Bcf/d).

3.4.2 Export Delivery Points

The June 2006 forecast of maximum day delivery at the Export Delivery Points is consistent with NGTL's downstream capacity assumption (Section 2.6.1.3).

Table 3.4.2.2
Summer System Maximum Day Delivery Forecast

Gas Year	June 2006 `Design Forecast				
	06/07	07/08	08/09	09/10	10/11
(Volumes in 10 ⁶ m ³ /d at 101.325 kPa and 15°C)					
Empress	75.4	72.1	66.9	61.8	57.7
McNeill	37.6	37.4	37.2	36.2	36.2
Alberta/B.C.	70.4	53.5 69.8	57.0	52.6	51.3
Boundary Lake	0.0	0.0	0.0	0.0	0.0
Unity	0.0	0.0	0.0	0.0	0.0
Cold Lake	0.0	0.0	0.0	0.0	0.0
Gordondale	0.0	0.0	0.0	0.0	0.0
Alberta/Montana	0.0	0.0	0.0	0.0	0.0
Alberta	89.6	101.3	109.7	117.6	129.3
TOTAL SYSTEM	273.0	264.3 280.6	270.8	268.2	274.5
(Volumes in Bcf/d at 14.65 psia and 60°F)					
Empress	2.68	2.56	2.37	2.19	2.05
McNeill	1.34	1.33	1.32	1.29	1.28
Alberta/B.C.	2.50	1.90 2.48	2.02	1.87	1.82
Boundary Lake	0.00	0.00	0.00	0.00	0.00
Unity	0.00	0.00	0.00	0.00	0.00
Cold Lake	0.00	0.00	0.00	0.00	0.00
Gordondale	0.00	0.00	0.00	0.00	0.00
Alberta/Montana	0.00	0.00	0.00	0.00	0.00
Alberta	3.18	3.60	3.89	4.17	4.59
TOTAL SYSTEM	9.70	9.39 9.97	9.60	9.52	9.74

NOTES:

- Delivery volumes shown are not anticipated to occur simultaneously but may occur at some time during the summer season.
- Numbers may not add due to rounding.

3.4.2.1 Empress

The forecast of maximum day delivery at the Empress Export Delivery Point reflects the forecast level of firm transportation Service Agreements at the Empress Export Delivery Point.

3.4.2.3 Alberta/British Columbia

The forecast of maximum day delivery at the Alberta/British Columbia Export Delivery Point reflects the forecast level of firm transportation Service Agreements at the Alberta/British Columbia Export Delivery Point.

The June 2006 forecast winter maximum day delivery for the 2007/08 Gas Year at the Alberta/British Columbia Export Delivery Point is $71.3 \times 10^6 \text{ m}^3/\text{d}$ (2.53 Bcf/d). This represents an essentially flat forecast of winter season maximum day delivery in the June 2006 forecast when compared to the 2006/07 Gas Year.

The June 2006 forecast summer maximum day delivery for the 2007/08 Gas Year at the Alberta/British Columbia Export Delivery Point is $53.569.8 \times 10^6 \text{ m}^3/\text{d}$ (1.902.48 Bcf/d). This represents a decrease of $16.90.6 \times 10^6 \text{ m}^3/\text{d}$ (0.600.02 Bcf/d), or 24.00.9 percent, from the summer season maximum day delivery in the June 2006 forecast for the 2006/07 Gas Year.

3.4.2.4 Other Exports

Boundary Lake, Unity, Cold Lake, Gordondale and Alberta/Montana

The June 2006 forecast maximum day delivery for the 2007/08 Gas Year for each of the Boundary Lake, Unity, Cold Lake, Gordondale and Alberta/Montana Export Delivery Points is zero. This is unchanged from the maximum day delivery forecast for the 2006/07 Gas Year.

3.4.3 Alberta Deliveries

The June 2006 Alberta maximum day delivery forecast for the winter season of the 2007/08 Gas Year is $132.3 \times 10^6 \text{ m}^3/\text{d}$ (4.70 Bcf/d). This is an increase of $8.9 \times 10^6 \text{ m}^3/\text{d}$

3.4 Gas Delivery Forecast

The gas delivery forecast describes one of the two principal components of the June 2006 design forecast. The second component, the receipt forecast, is described in Section 3.5.

3.4.1 System Maximum Day Delivery Forecast

The system maximum day delivery forecast projects aggregate maximum day delivery for the entire Alberta System in each of the winter and summer seasons for the 2006/07 through 2010/11 Gas Years. NGTL does not anticipate delivering the maximum day delivery at all Delivery Points simultaneously, although the maximum day delivery at individual Delivery Points may occur at some time during a season.

A breakdown of the system maximum day delivery forecast for both the winter and summer seasons of the 2007/08 Gas Year is provided in Tables 3.4.2.1 and 3.4.2.2. The June 2006 forecast indicates a winter system maximum day delivery of 316.6 $10^6\text{m}^3/\text{d}$ (11.25 Bcf/d) for the 2007/08 Gas Year. This represents an increase of 3.3 $10^6\text{m}^3/\text{d}$ (0.13 Bcf/d), or 1.1 percent from the winter system maximum day delivery in the June 2006 forecast for the 2006/07 Gas Year.

NGTL's June 2006 forecast of winter system maximum day delivery for the 2007/08 Gas Year includes deliveries to the major Export Delivery Points (Empress, McNeill, Alberta/British Columbia) of 184.3 $10^6\text{m}^3/\text{d}$ (6.55 Bcf/d), deliveries to other Export Delivery Points of 0.0 $10^6\text{m}^3/\text{d}$ (0.00 Bcf/d), and deliveries to Alberta Delivery Points of 132.3 $10^6\text{m}^3/\text{d}$ (4.70 Bcf/d.).

The June 2006 summer system maximum day delivery forecast for the 2007/08 Gas Year is 280.6 $10^6\text{m}^3/\text{d}$ (9.97 Bcf/d). This represents an increase of 7.6 $10^6\text{m}^3/\text{d}$ (0.27

Bcf/d), or 2.8 percent, from the summer system maximum day delivery forecast for the 2006/07 Gas Year.

NGTL's June 2006 forecast of summer system maximum day delivery for the 2007/08 Gas Year includes deliveries to the major Export Delivery Points (Empress, McNeill, Alberta/British Columbia) of $179.3 \times 10^6 \text{m}^3/\text{d}$ (6.37 Bcf/d), deliveries to other Export Delivery Points of $0.0 \times 10^6 \text{m}^3/\text{d}$ (0.0 Bcf/d) and deliveries to Alberta Delivery Points of $101.3 \times 10^6 \text{m}^3/\text{d}$ (3.60 Bcf/d).

3.4.2 Export Delivery Points

The June 2006 forecast of maximum day delivery at the Export Delivery Points is consistent with NGTL's downstream capacity assumption (Section 2.6.1.3).

Table 3.4.2.2
Summer System Maximum Day Delivery Forecast

Gas Year	June 2006 `Design Forecast				
	06/07	07/08	08/09	09/10	10/11
(Volumes in 10 ⁶ m ³ /d at 101.325 kPa and 15°C)					
Empress	75.4	72.1	66.9	61.8	57.7
McNeill	37.6	37.4	37.2	36.2	36.2
Alberta/B.C.	70.4	69.8	57.0	52.6	51.3
Boundary Lake	0.0	0.0	0.0	0.0	0.0
Unity	0.0	0.0	0.0	0.0	0.0
Cold Lake	0.0	0.0	0.0	0.0	0.0
Gordondale	0.0	0.0	0.0	0.0	0.0
Alberta/Montana	0.0	0.0	0.0	0.0	0.0
Alberta	89.6	101.3	109.7	117.6	129.3
TOTAL SYSTEM	273.0	280.6	270.8	268.2	274.5
(Volumes in Bcf/d at 14.65 psia and 60°F)					
Empress	2.68	2.56	2.37	2.19	2.05
McNeill	1.34	1.33	1.32	1.29	1.28
Alberta/B.C.	2.50	2.48	2.02	1.87	1.82
Boundary Lake	0.00	0.00	0.00	0.00	0.00
Unity	0.00	0.00	0.00	0.00	0.00
Cold Lake	0.00	0.00	0.00	0.00	0.00
Gordondale	0.00	0.00	0.00	0.00	0.00
Alberta/Montana	0.00	0.00	0.00	0.00	0.00
Alberta	3.18	3.60	3.89	4.17	4.59
TOTAL SYSTEM	9.70	9.97	9.60	9.52	9.74

NOTES:

- Delivery volumes shown are not anticipated to occur simultaneously but may occur at some time during the summer season.
- Numbers may not add due to rounding.

3.4.2.1 Empress

The forecast of maximum day delivery at the Empress Export Delivery Point reflects the forecast level of firm transportation Service Agreements at the Empress Export Delivery Point.

3.4.2.3 Alberta/British Columbia

The forecast of maximum day delivery at the Alberta/British Columbia Export Delivery Point reflects the forecast level of firm transportation Service Agreements at the Alberta/British Columbia Export Delivery Point.

The June 2006 forecast winter maximum day delivery for the 2007/08 Gas Year at the Alberta/British Columbia Export Delivery Point is $71.3 \times 10^6 \text{ m}^3/\text{d}$ (2.53 Bcf/d). This represents an essentially flat forecast of winter season maximum day delivery in the June 2006 forecast when compared to the 2006/07 Gas Year.

The June 2006 forecast summer maximum day delivery for the 2007/08 Gas Year at the Alberta/British Columbia Export Delivery Point is $69.8 \times 10^6 \text{ m}^3/\text{d}$ (2.48 Bcf/d). This represents a decrease of $0.6 \times 10^6 \text{ m}^3/\text{d}$ (0.02 Bcf/d), or 0.9 percent, from the summer season maximum day delivery in the June 2006 forecast for the 2006/07 Gas Year.

3.4.2.4 Other Exports

Boundary Lake, Unity, Cold Lake, Gordondale and Alberta/Montana

The June 2006 forecast maximum day delivery for the 2007/08 Gas Year for each of the Boundary Lake, Unity, Cold Lake, Gordondale and Alberta/Montana Export Delivery Points is zero. This is unchanged from the maximum day delivery forecast for the 2006/07 Gas Year.

3.4.3 Alberta Deliveries

The June 2006 Alberta maximum day delivery forecast for the winter season of the 2007/08 Gas Year is $132.3 \times 10^6 \text{ m}^3/\text{d}$ (4.70 Bcf/d). This is an increase of $8.9 \times 10^6 \text{ m}^3/\text{d}$

Figure 4.4.1.4
Western Alberta Mainline Design Sub Area
Design Flow Requirements

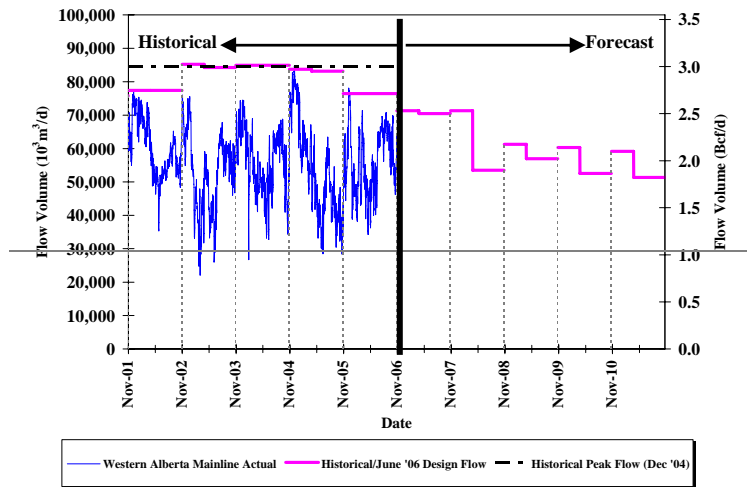
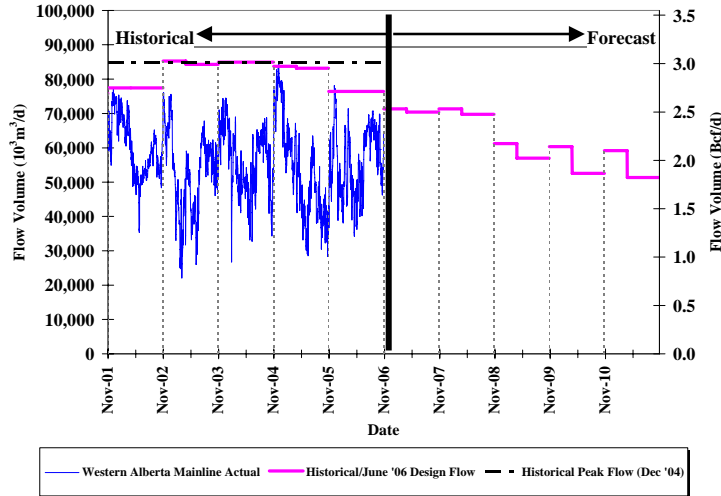


Table 4.4.1.4 shows the winter and summer design flow requirements for the 2007/08 Gas Year.

Table 4.4.1.4
Western Alberta Mainline Design Sub Area
June 2006 Design Forecast
Design Flow Requirements

Gas Year and Season	Flow	
	Bcf/d	10 ⁶ m ³ /d
2007/08 Winter	2.53	71.3
2007/08 Summer	1.92.48	53.569.8

Figure 4.4.1.4
Western Alberta Mainline Design Sub Area
Design Flow Requirements

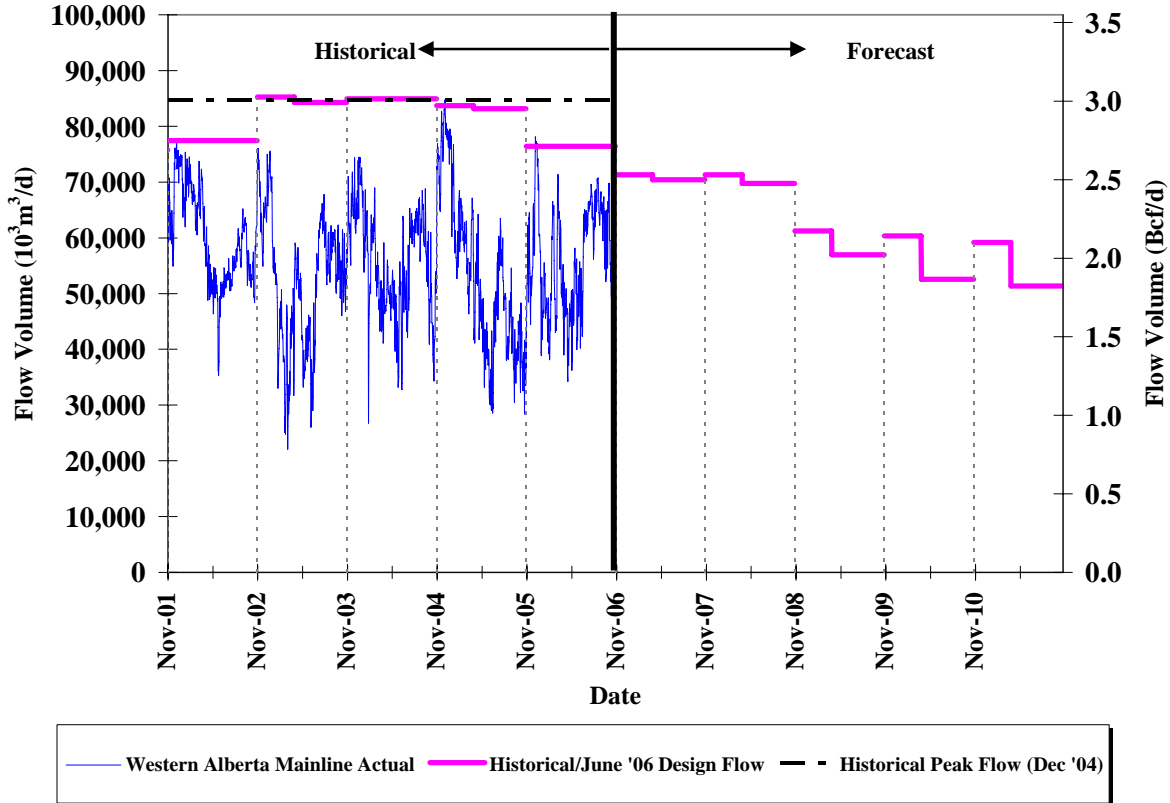


Table 4.4.1.4 shows the winter and summer design flow requirements for the 2007/08 Gas Year.

Table 4.4.1.4
Western Alberta Mainline Design Sub Area
June 2006 Design Forecast
Design Flow Requirements

Gas Year and Season	Flow	
	Bcf/d	10 ⁶ m ³ /d
2007/08 Winter	2.53	71.3
2007/08 Summer	2.48	69.8

Design Flow Requirements

Western Alberta Mainline Design Sub Area

PW					
Gas Year	2006/07	2007/08	2008/09	2009/10	2010/11
FS Productive Capability	10888	10398	12498	17199	18182
Flow Into Area	65805	66285	54182	49139	46655
Area Required Receipts	9995	9279	11316	16112	17082
Area Deliveries	-4363	-4137	-4105	-4719	-4338
Area Design Flow Req'mts	71308	71308	61247	60325	59180

mmcf/d PW					
Gas Year	2006/07	2007/08	2008/09	2009/10	2010/11
FS Productive Capability	386	369	444	610	645
Flow Into Area	2336	2353	1923	1744	1656
Area Required Receipts	355	329	402	572	606
Area Deliveries	-155	-147	-146	-168	-154
Area Design Flow Req'mts	2531	2531	2174	2141	2101

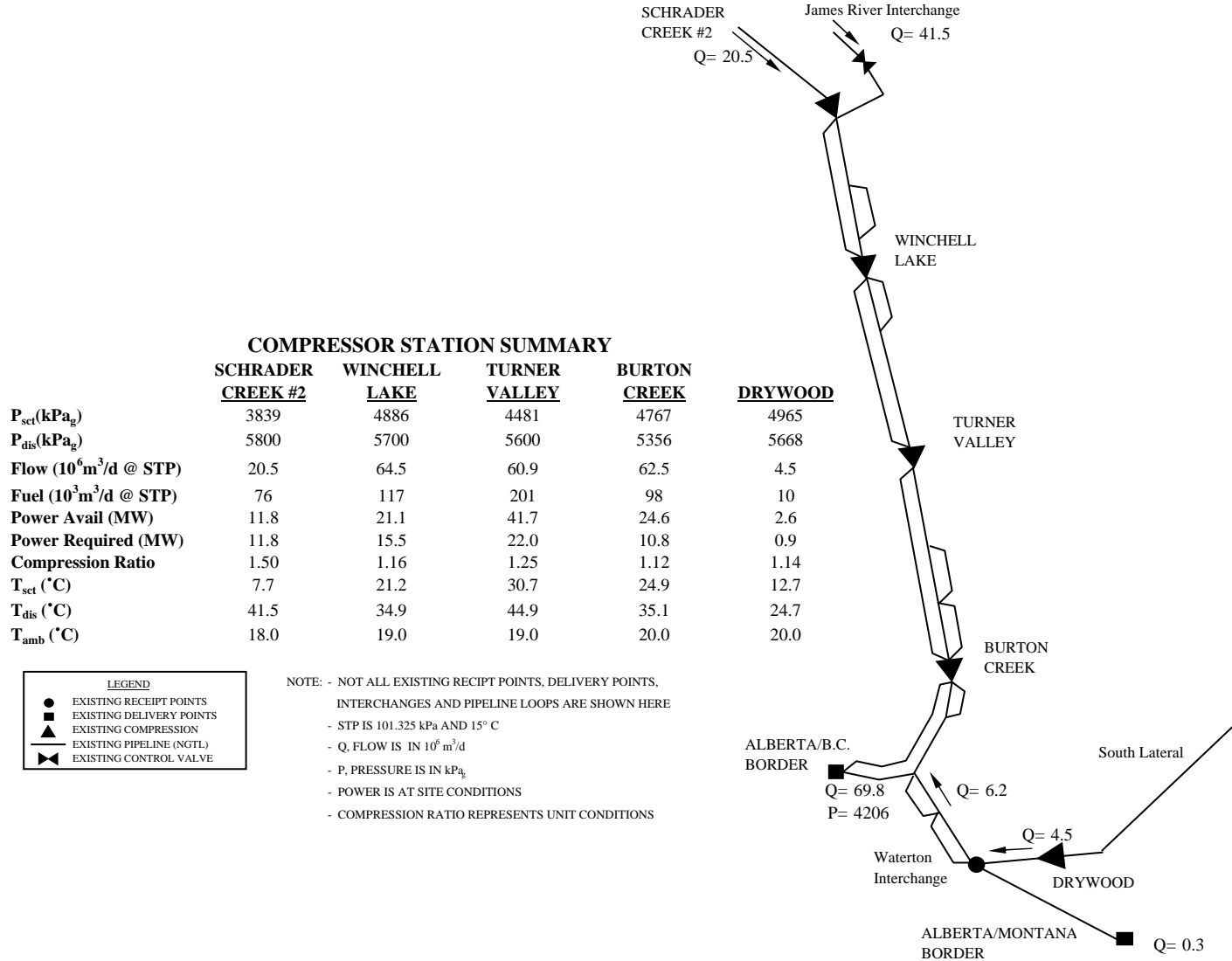
PS					
Gas Year	2006/07	2007/08	2008/09	2009/10	2010/11
FS Productive Capability	10897	10408	12507	17207	18190
Flow Into Area	65036	64437	50043	41939	39006
Area Required Receipts	10262	9845	11486	15852	17154
Area Deliveries	-4730	-4402	-4402	-5021	-4591
Area Design Flow Req'mts	70435	69753	56980	52566	51348

mmcf/d PS					
Gas Year	2006/07	2007/08	2008/09	2009/10	2010/11
FS Productive Capability	387	369	444	611	646
Flow Into Area	2308	2287	1776	1489	1384
Area Required Receipts	364	349	408	563	609
Area Deliveries	-168	-156	-156	-178	-163
Area Design Flow Req'mts	2500	2476	2022	1866	1823

PS = Peak Summer

PW = Peak Winter

**2007/08 GAS YEAR
WESTERN ALBERTA MAINLINE DESIGN SUB AREA
SUMMER DESIGN**



COMPRESSOR STATION SUMMARY

	<u>SCHRADER CREEK #2</u>	<u>WINCHELL LAKE</u>	<u>TURNER VALLEY</u>	<u>BURTON CREEK</u>	<u>DRYWOOD</u>
P_{set}(kPa_g)	3839	4886	4481	4767	4965
P_{dis}(kPa_g)	5800	5700	5600	5356	5668
Flow (10⁶ m³/d @ STP)	20.5	64.5	60.9	62.5	4.5
Fuel (10³ m³/d @ STP)	76	117	201	98	10
Power Avail (MW)	11.8	21.1	41.7	24.6	2.6
Power Required (MW)	11.8	15.5	22.0	10.8	0.9
Compression Ratio	1.50	1.16	1.25	1.12	1.14
T_{set} (°C)	7.7	21.2	30.7	24.9	12.7
T_{dis} (°C)	41.5	34.9	44.9	35.1	24.7
T_{amb} (°C)	18.0	19.0	19.0	20.0	20.0

LEGEND	
●	EXISTING RECEIPT POINTS
■	EXISTING DELIVERY POINTS
▲	EXISTING COMPRESSION
—	EXISTING PIPELINE (NGTL)
◀▶	EXISTING CONTROL VALVE

NOTE: - NOT ALL EXISTING RECEIPT POINTS, DELIVERY POINTS, INTERCHANGES AND PIPELINE LOOPS ARE SHOWN HERE
 - STP IS 101.325 kPa AND 15° C
 - Q, FLOW IS IN 10⁶ m³/d
 - P, PRESSURE IS IN kPa_g
 - POWER IS AT SITE CONDITIONS
 - COMPRESSION RATIO REPRESENTS UNIT CONDITIONS

REVISED