

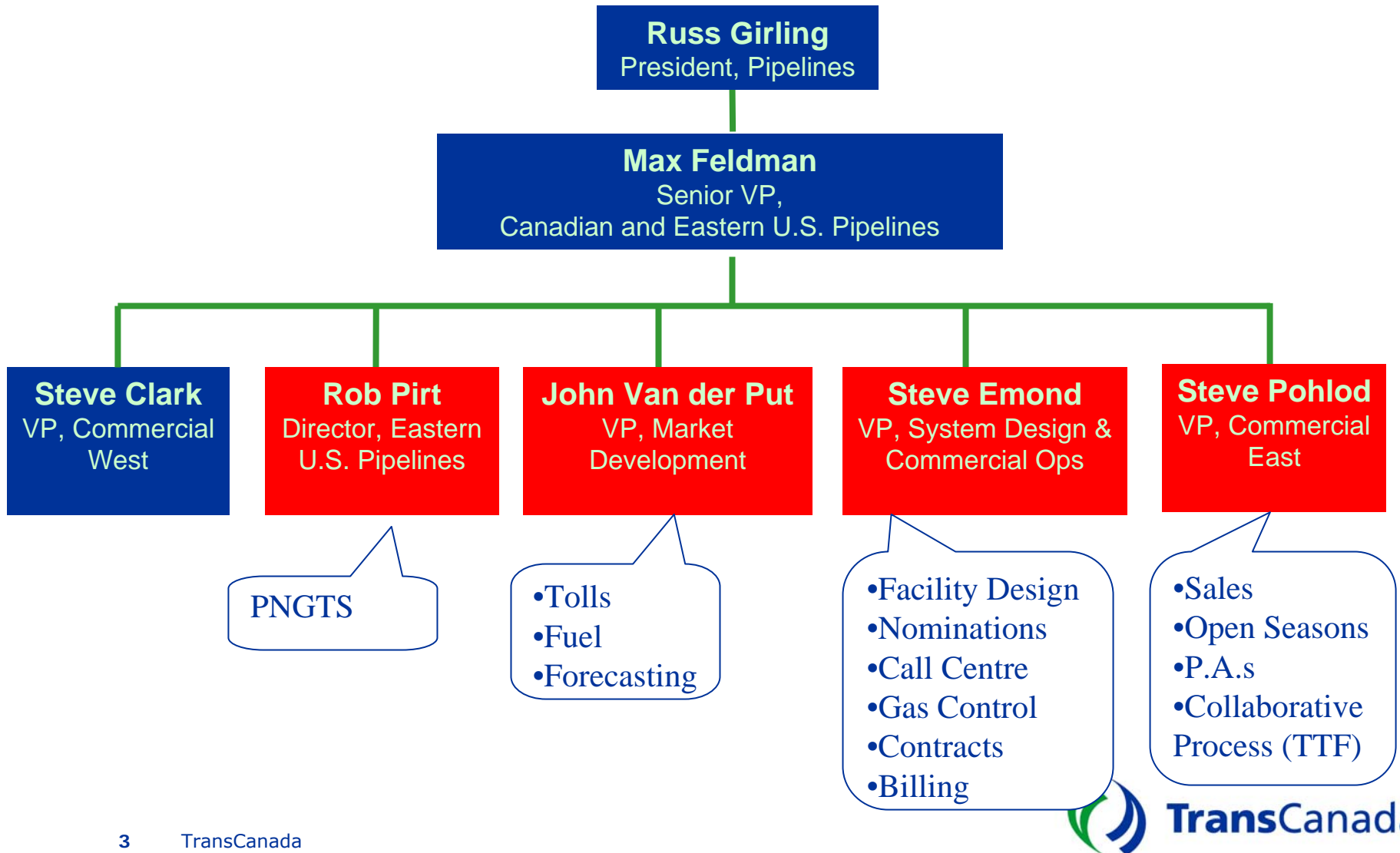
TransCanada Mainline N.E. Sales & Service Update Meeting

Agenda

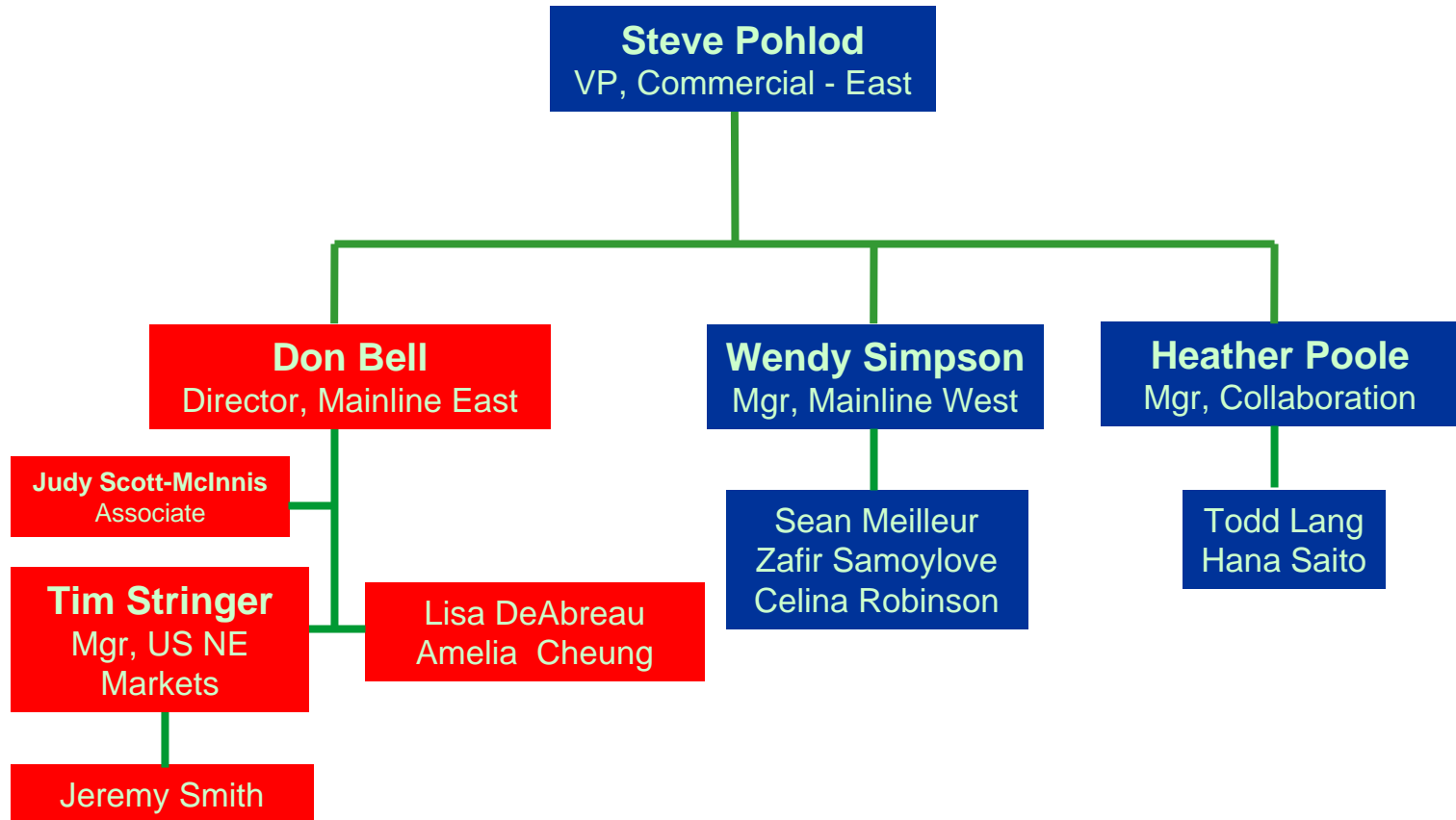


- About TransCanada
- Access to Supply and Markets
- How to Get Capacity
- Operations Update
- Future – Continuous Improvement
- Q & A

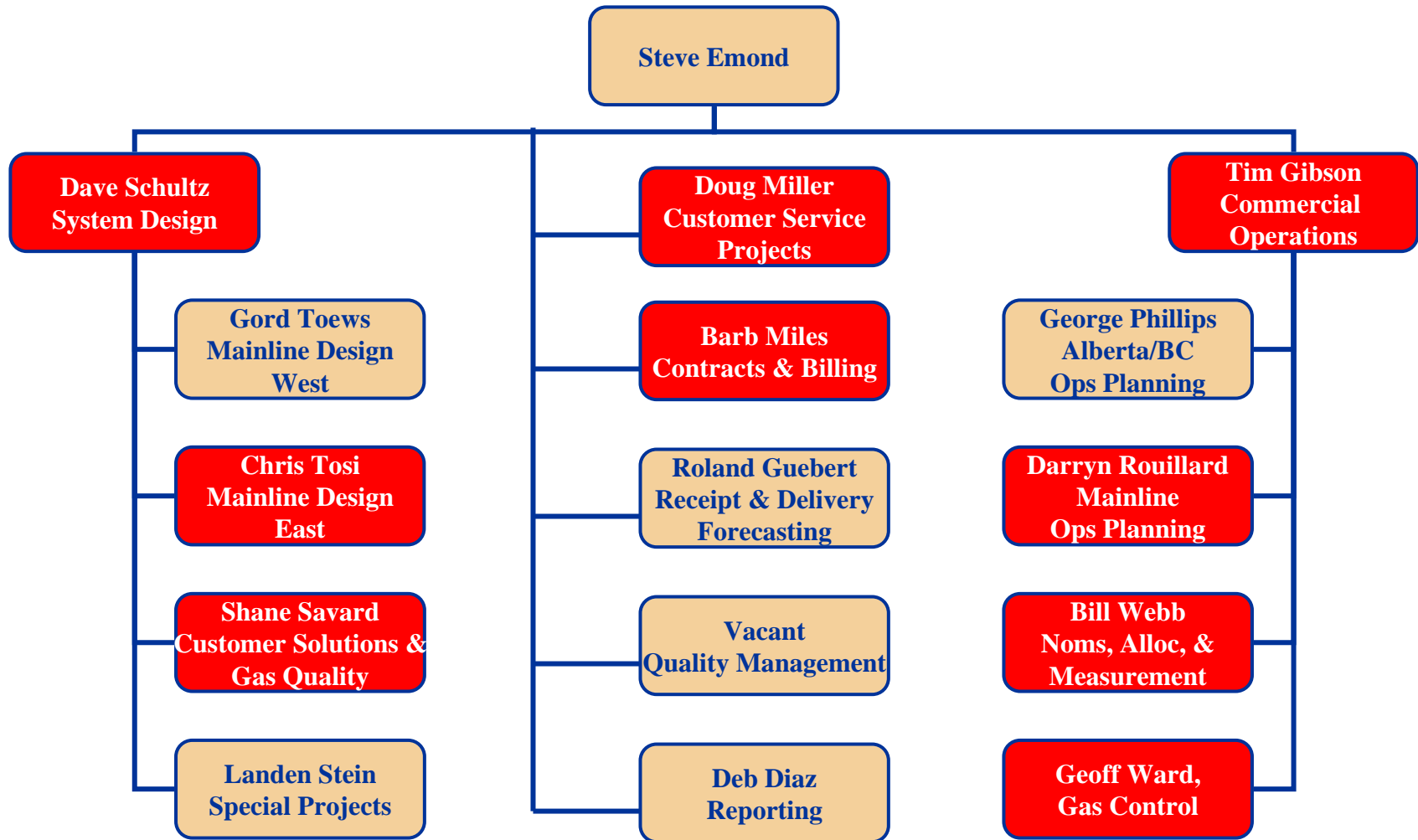
Canadian & Eastern U.S. Pipelines Leadership

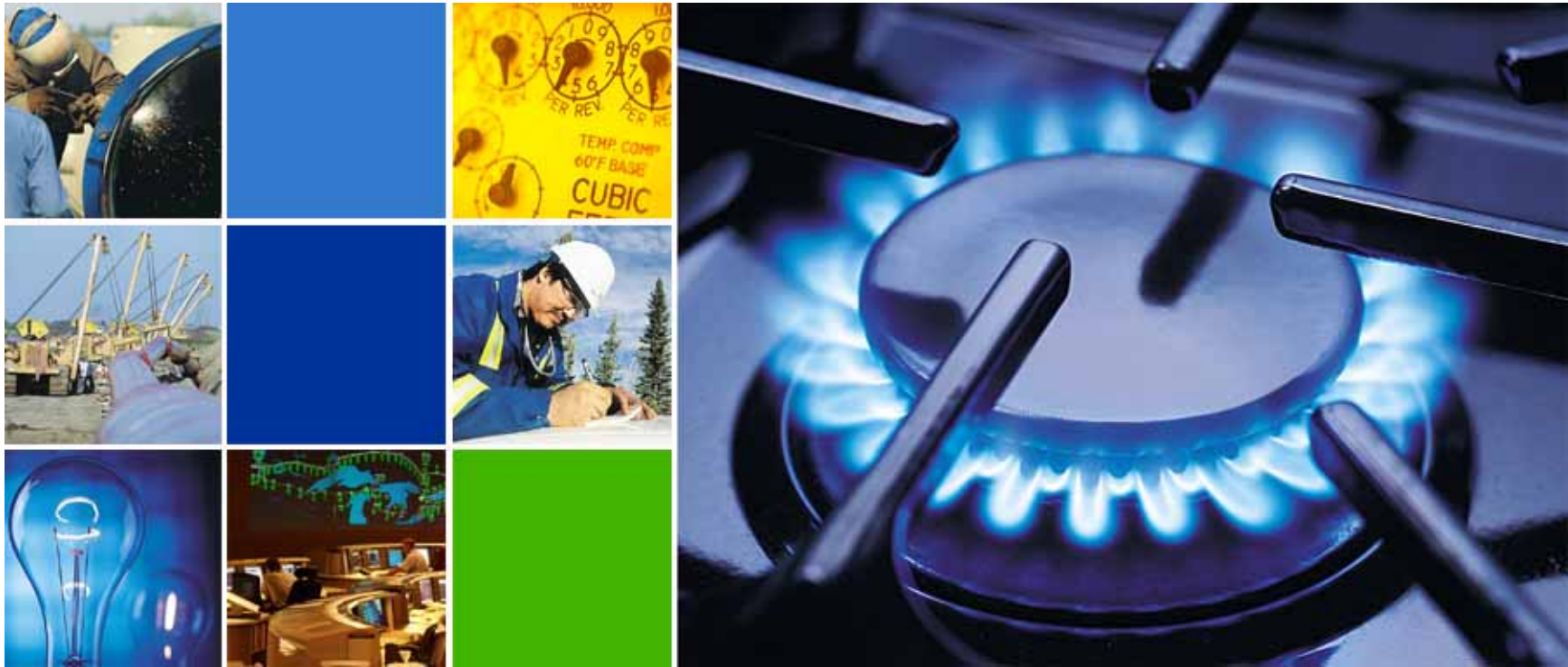


Canadian Pipelines Commercial - East



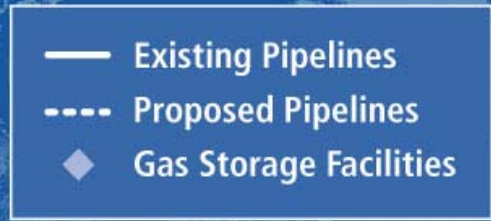
System Design & Commercial Operations





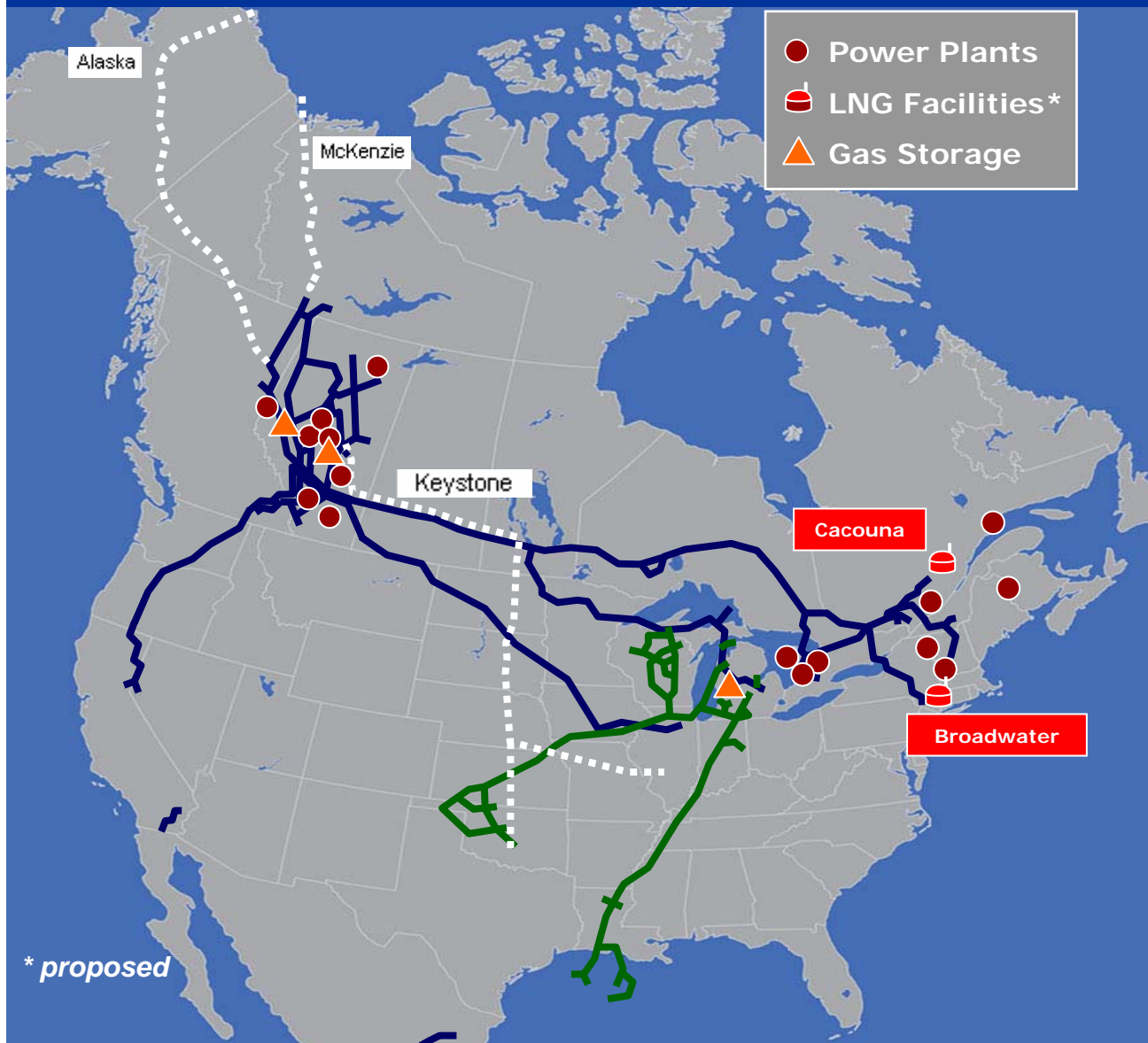
About TransCanada

Pipeline Assets



- 59,000 km (36,500 mi) of wholly owned pipeline
- Interests in an additional 7,800 km (4,800 mi) of pipeline
- TransCanada connects to both traditional and emerging basins and delivers to growing North American markets
- Average daily volume of approximately 15 Bcf

Projects and Other Assets

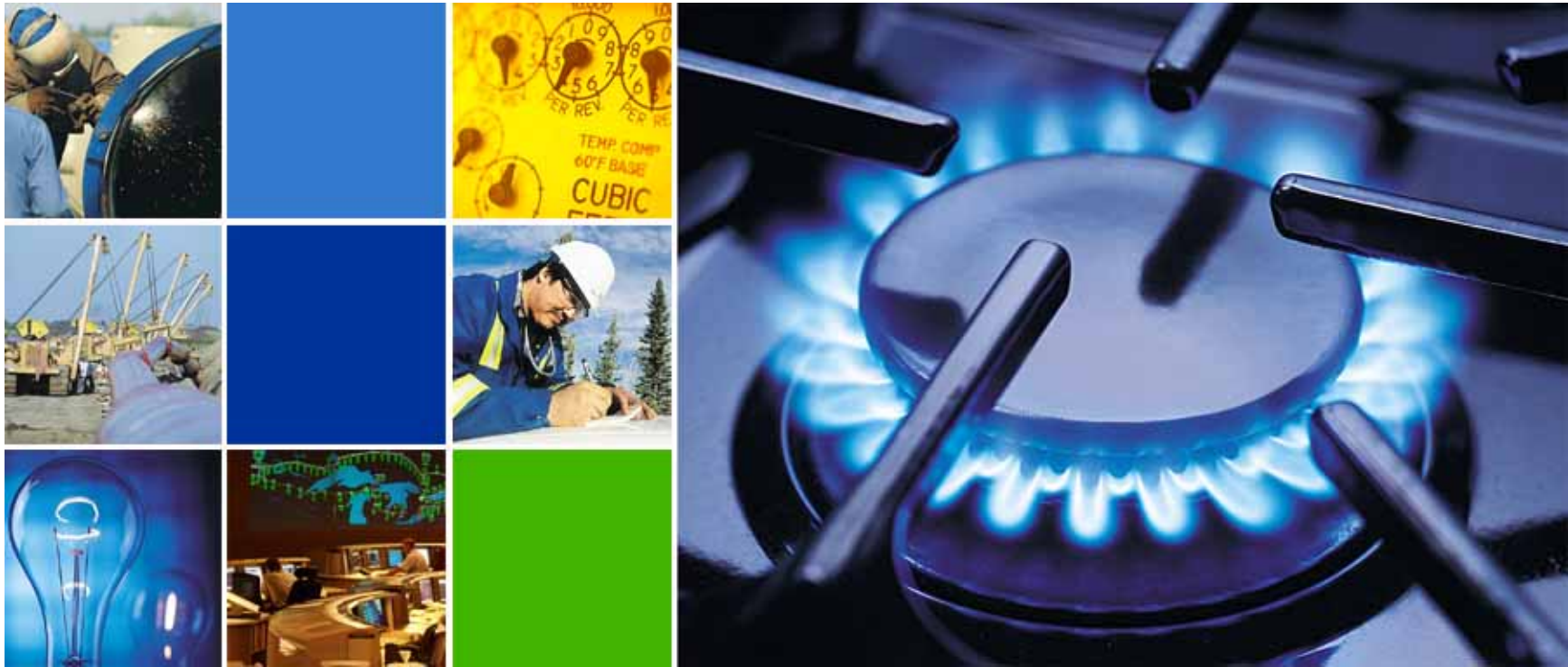


- Northern Gas (Alaska and McKenzie) is key
- 2,969 km of proposed oil pipeline, capable of transporting 435,000 barrels per day
- 16 power facilities with 7,700 megawatts of power generation
- two proposed liquefied natural gas facilities
 - 1.5 Bcf/d
- significant gas storage capacity in Canada and the United States.
 - 360 Bcf

2006 Statistics - Based on \$8.50/Dth Gas Price

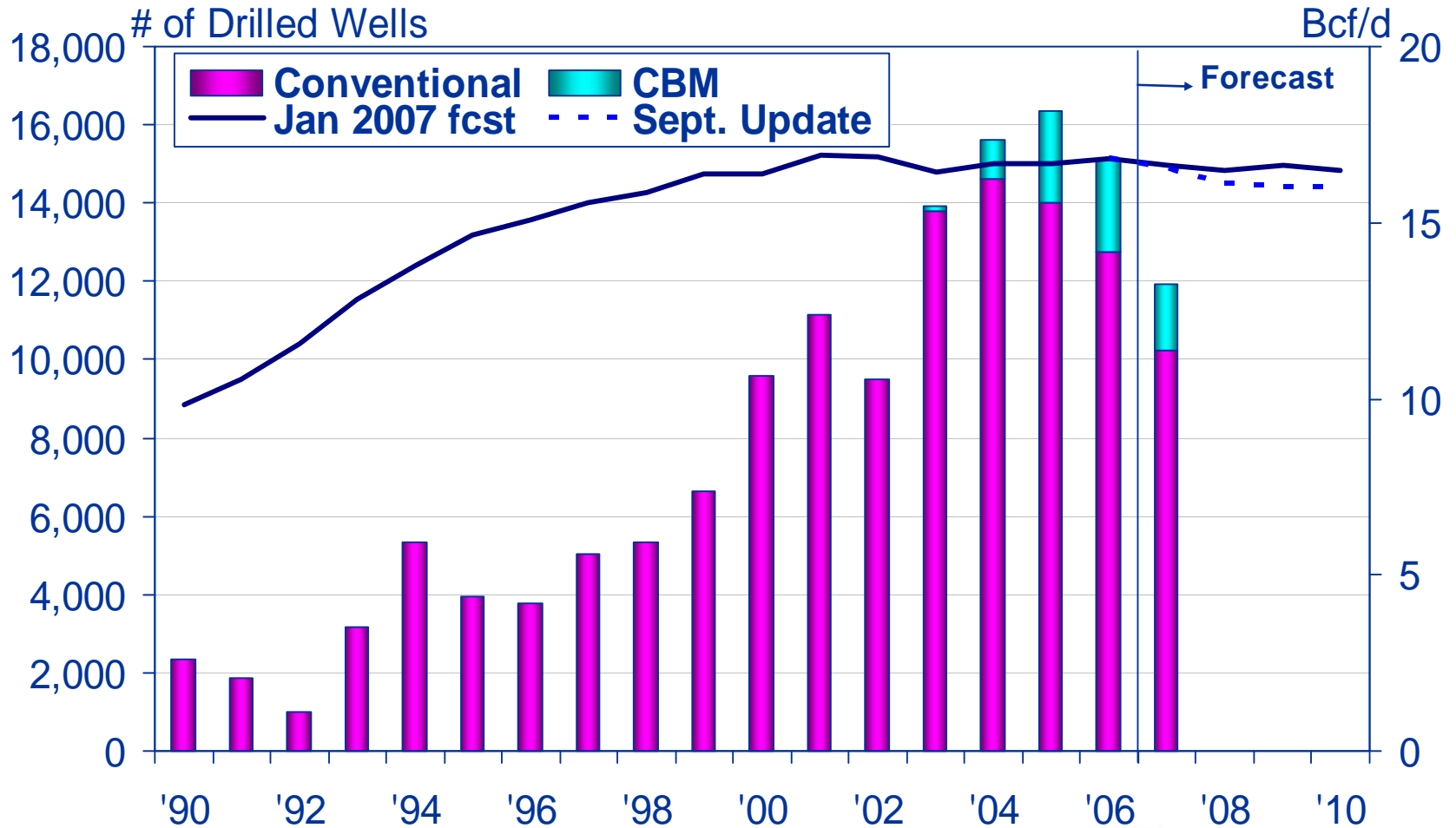


	Mainline	Alberta	BC	Foothills	PNGTS	Totals
# Customers	377	284	55	32	32	780
#Contracts	640	25,097	240	99	120	26,196
Average Daily Flow (Million Dth/day)	5.2	10.4	1.7	1.9	.2	19.4
Nominations/Month	59,000	26,000	7,273	3,400	1,500	97,173
Annual Invoiced Amount (\$Millions)	\$2,050	\$1,117	\$71	\$173	\$52	\$3,463
Daily Value of Gas Delivered (\$Millions)	\$44.2	\$88.4	\$14,5	\$16,2	\$1.7	\$165
Daily Transaction Value (\$Millions)						\$800

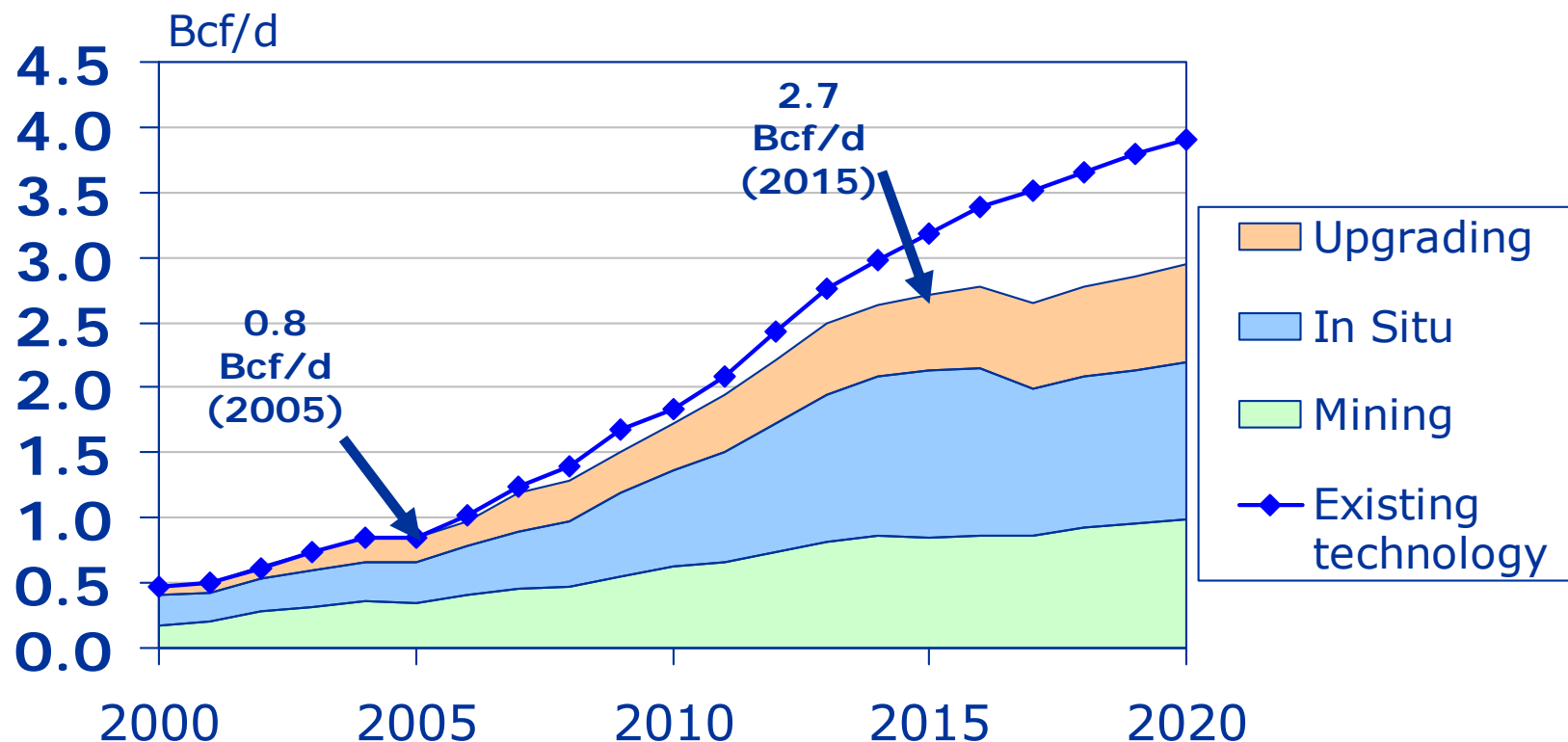


Western Canadian Supply / Demand Outlook

WCSB Gas Well / Production Forecast



Oil Sands Plus Off-Site Upgrading Demand



- Total Oil Sands demand including upgrading is forecast to increase by 1.9 Bcf/d by 2015, slowing with technology change

Western Canada Supply / Demand (Bcf/d)



	2007 Estimate	2008 Forecast	Change
WCSB Supply	16.41	16.13	-0.28
Net Storage Draw	0.06	0.02	-0.04
Net Supply	16.47	16.14	-0.33
WC Demand	4.58	4.69	+0.11
Exports	11.90	11.45	-0.45
Mainline	5.81	5.51	-0.30
Northern Border	1.89	1.89	0
GTN	1.93	1.76	-0.17
Alliance	1.65	1.67	+0.02
Northwest Pipeline	0.65	0.65	0

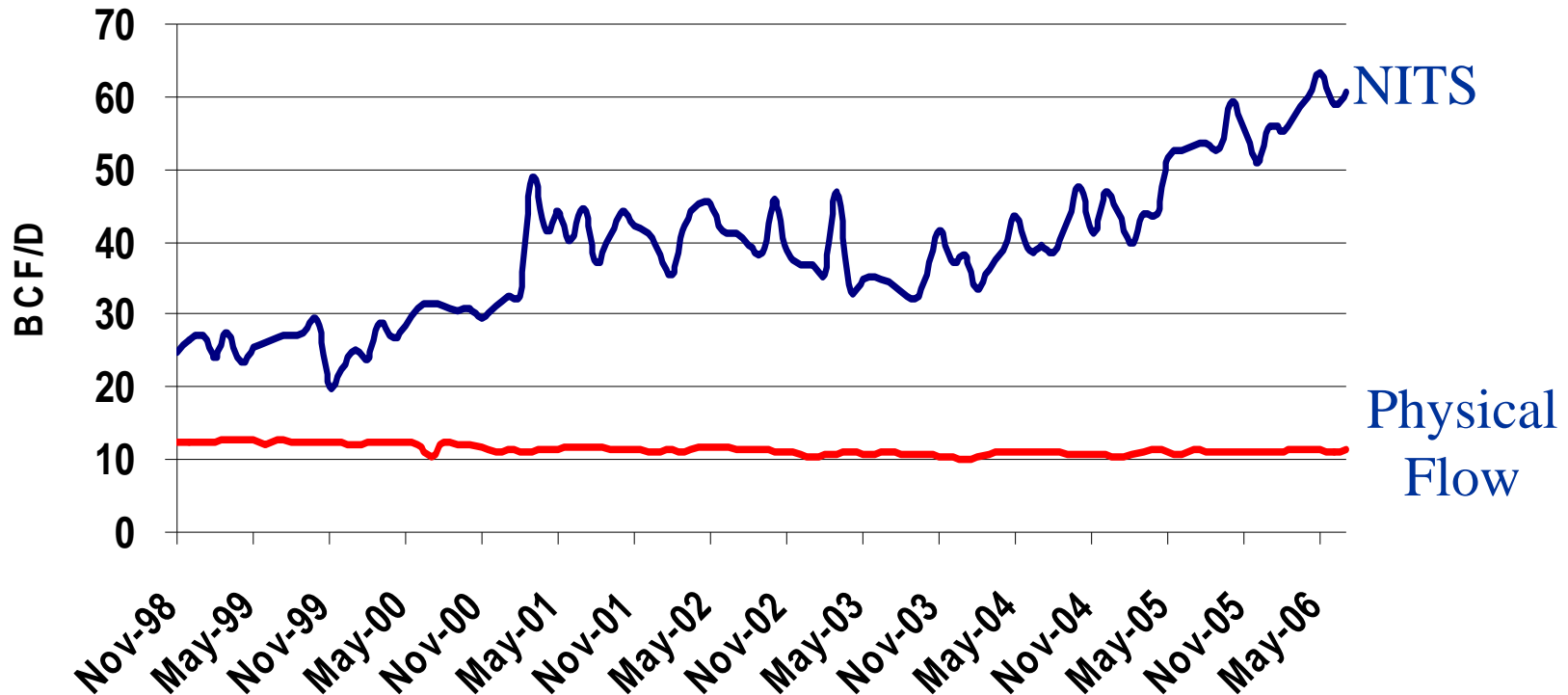


Eastern Canada Deliveries (Bcfd)



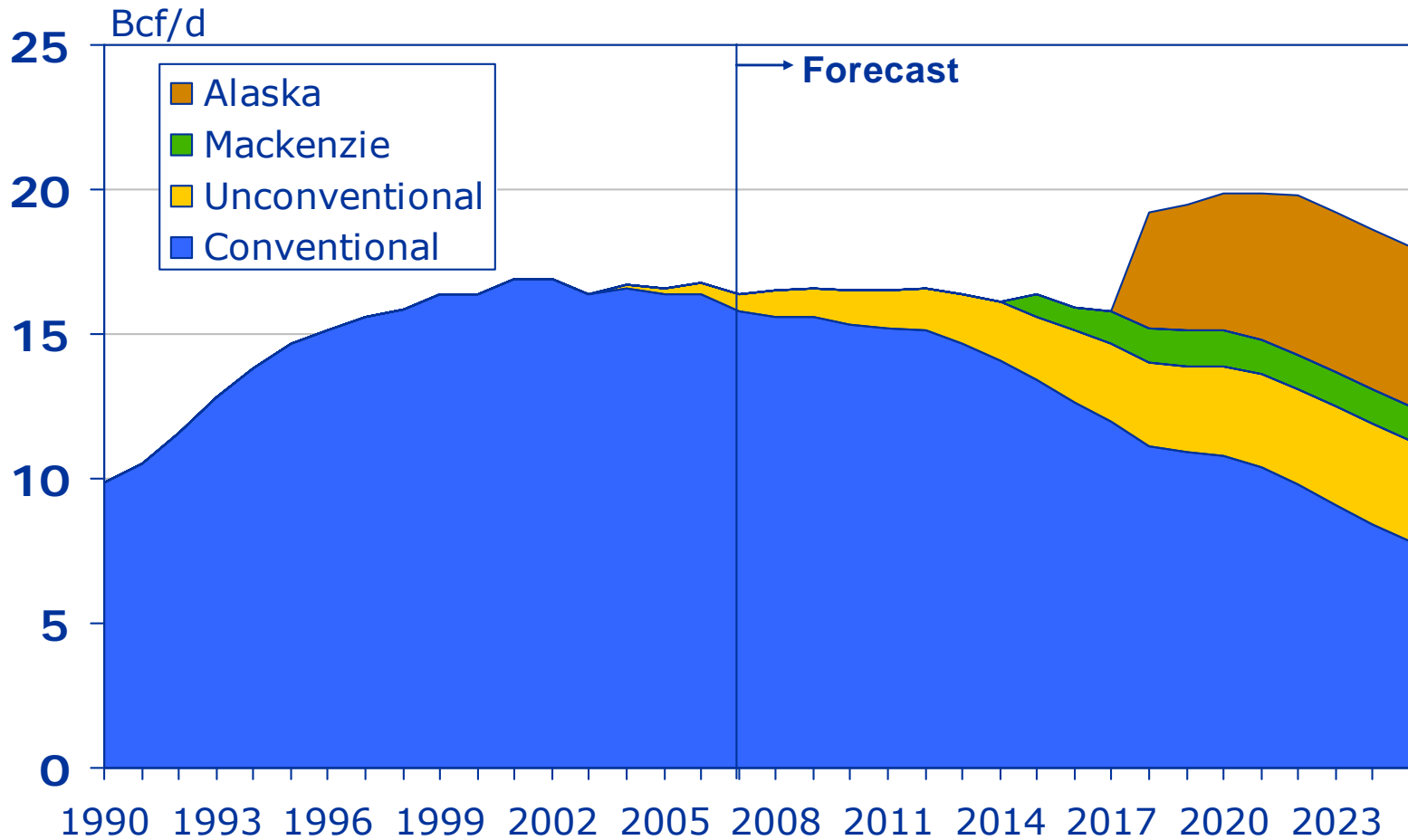
	2007 Estimate	2008 Forecast	Change
Northern Ontario Line	3.08	2.78	-0.29
Ont/Que Market	1.75	1.81	+0.06
NE Export Deliveries	2.34	2.29	-0.05
Kirkwall Receipts	1.12	1.15	+0.03
Parkway Receipts	0.02	0.28	+0.26

Alberta NIT Hub



- Alberta liquidity continues to grow
- NIT (“NOVA Inventory Transfer”) Hub is the most liquid gas market in North America

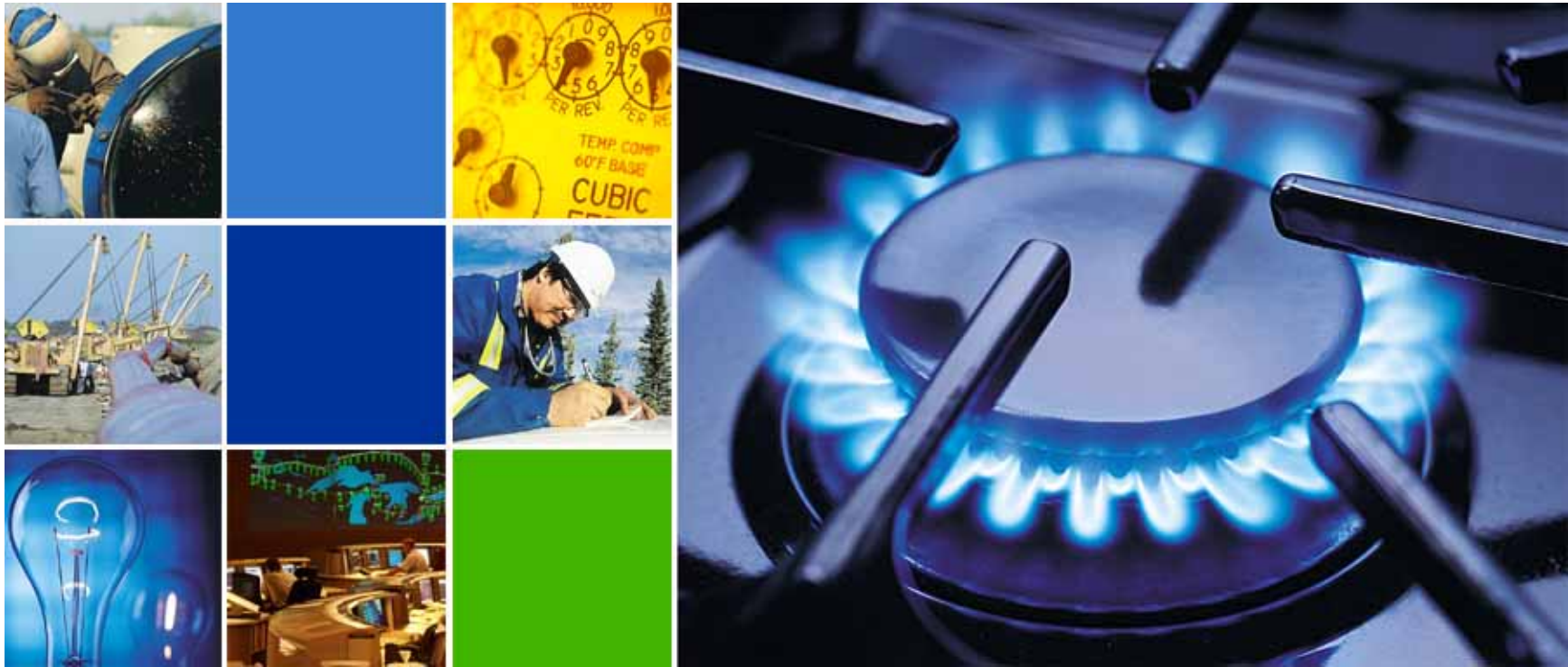
Total WCSB Gas Supply



Western Canadian Supply/Demand - Summary



- Supply has leveled off
 - Market Growth in Alberta
- } Less Gas Available For Export
- Alberta still attractive supply source
 - > 11 Bcfd supply available for export
 - 3.5 Bcfd storage deliverability
 - Highly liquid NIT Hub
 - Long term potential
 - Drilling and supply will react to price & cost signals
 - Mackenzie and Alaska supply



Access to Supply, Storage & Hubs

Meeting Your Needs



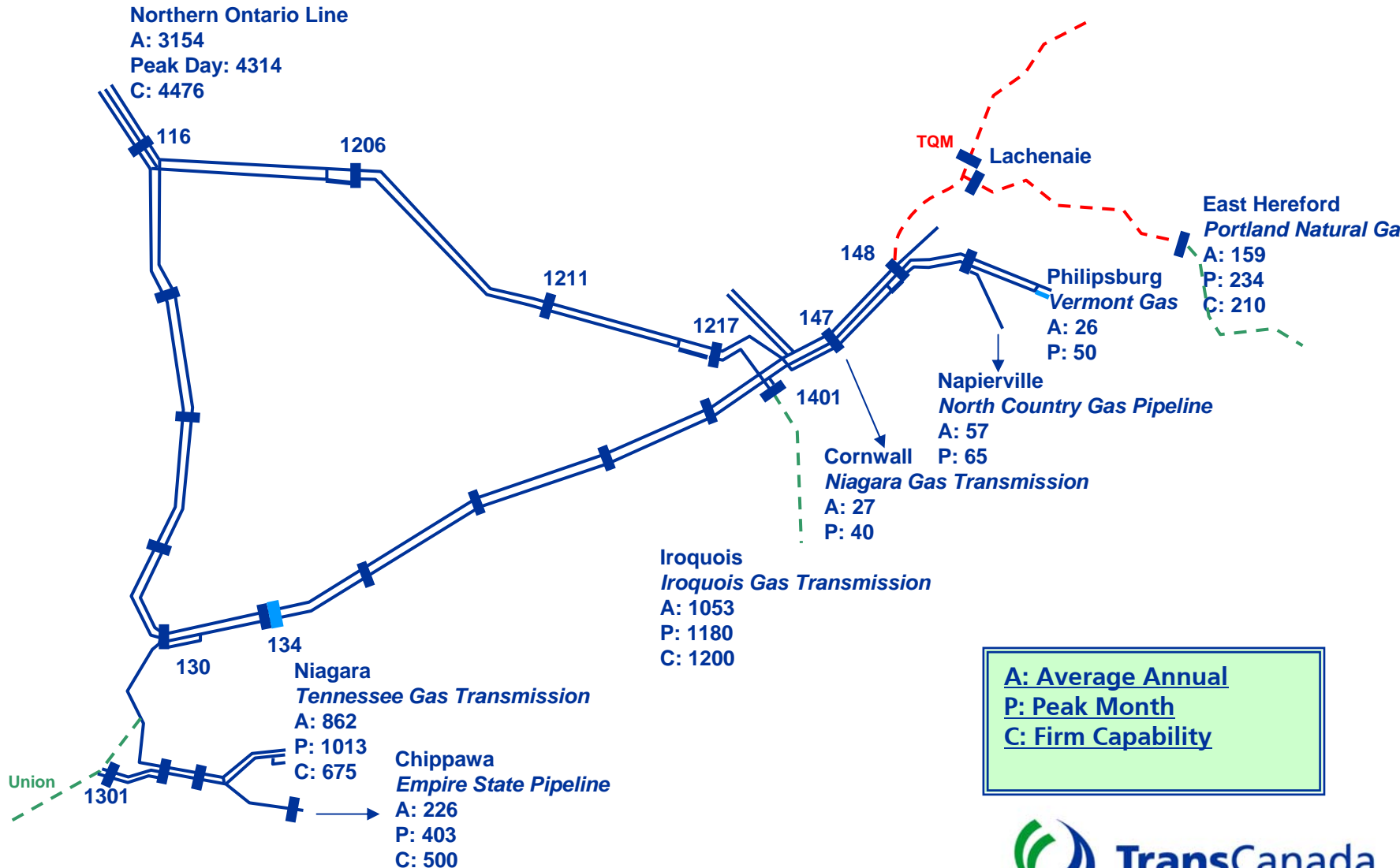
- Ongoing Initiatives
 - Build to meet market growth
 - Access to other supply (REX, MidWest, Dawn, etc.)
 - New Services and Service Flexibility
 - Efficiency Improvements

- Long-Term Initiatives
 - LNG
 - Northern Gas (Mackenzie and Alaska)

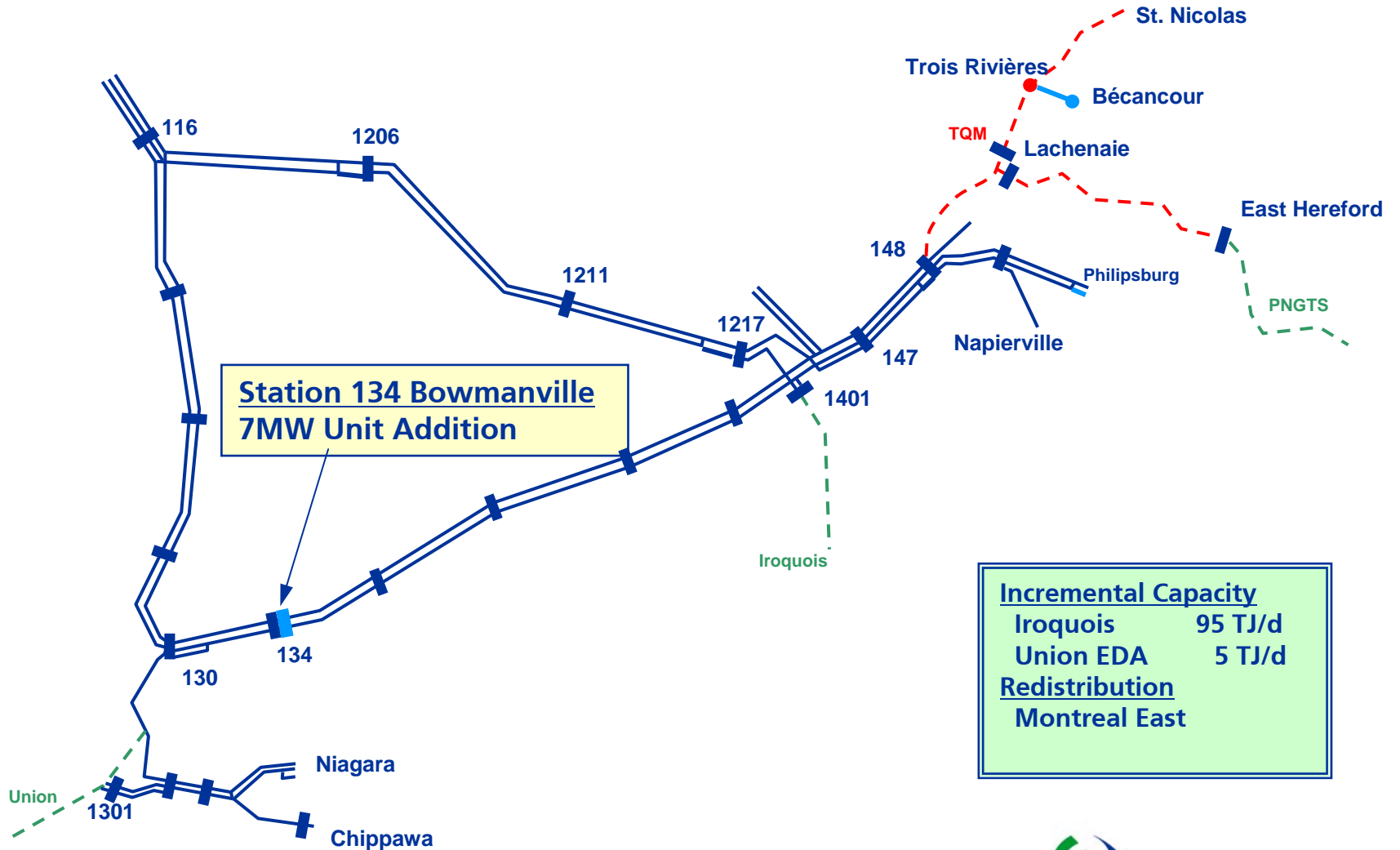
Northeast Pipelines



2007 Peak Month/Avg Annual Throughput and Firm Capability (TJ/day)



2007 Expansion facilities update



2008 Expansion facilities



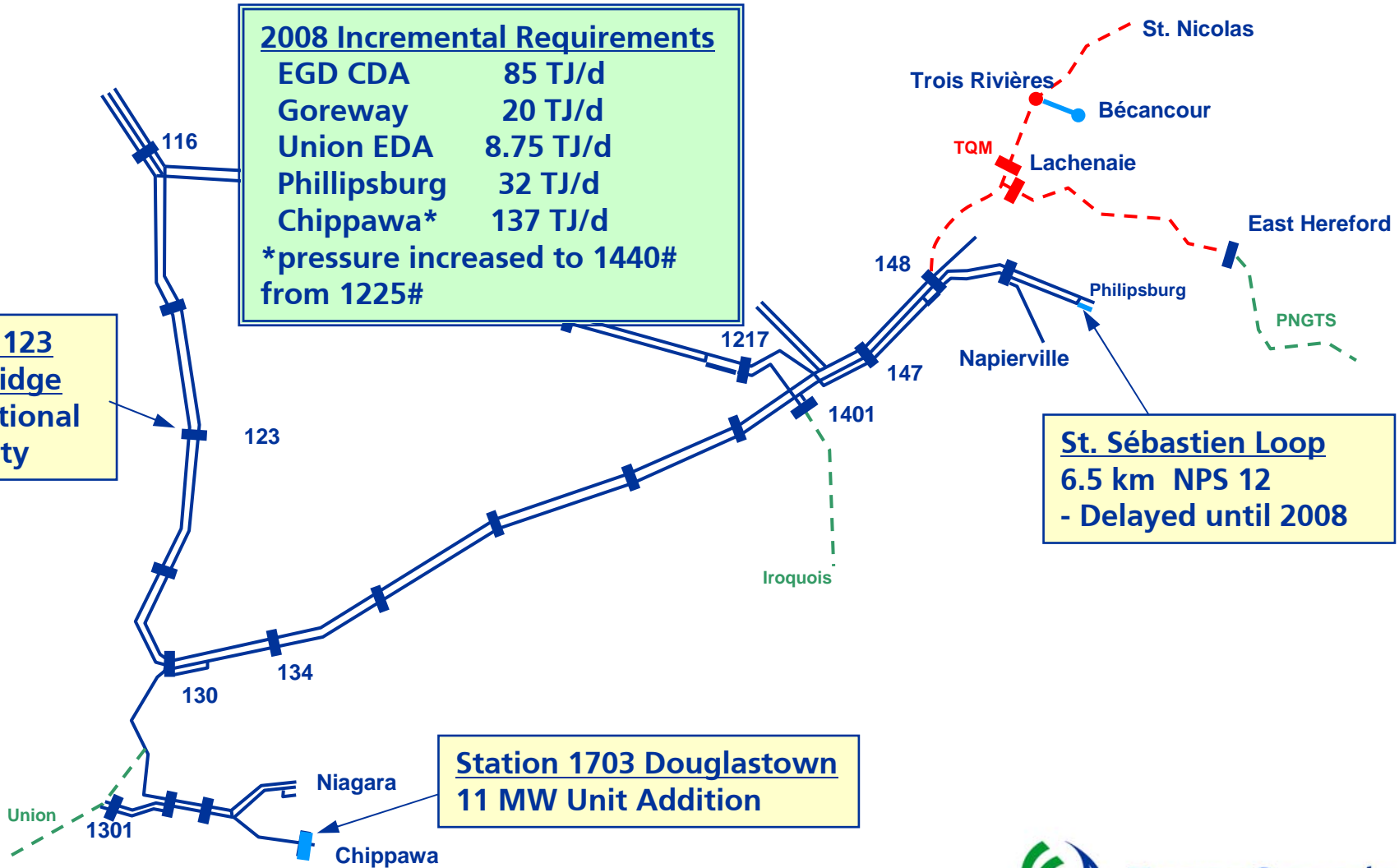
2008 Incremental Requirements

EGD CDA	85 TJ/d
Goreway	20 TJ/d
Union EDA	8.75 TJ/d
Phillipsburg	32 TJ/d
Chippawa*	137 TJ/d
*pressure increased to 1440# from 1225#	

**Station 123
Bracebridge
Bi-directional
capability**

**St. Sébastien Loop
6.5 km NPS 12
- Delayed until 2008**

**Station 1703 Douglastown
11 MW Unit Addition**

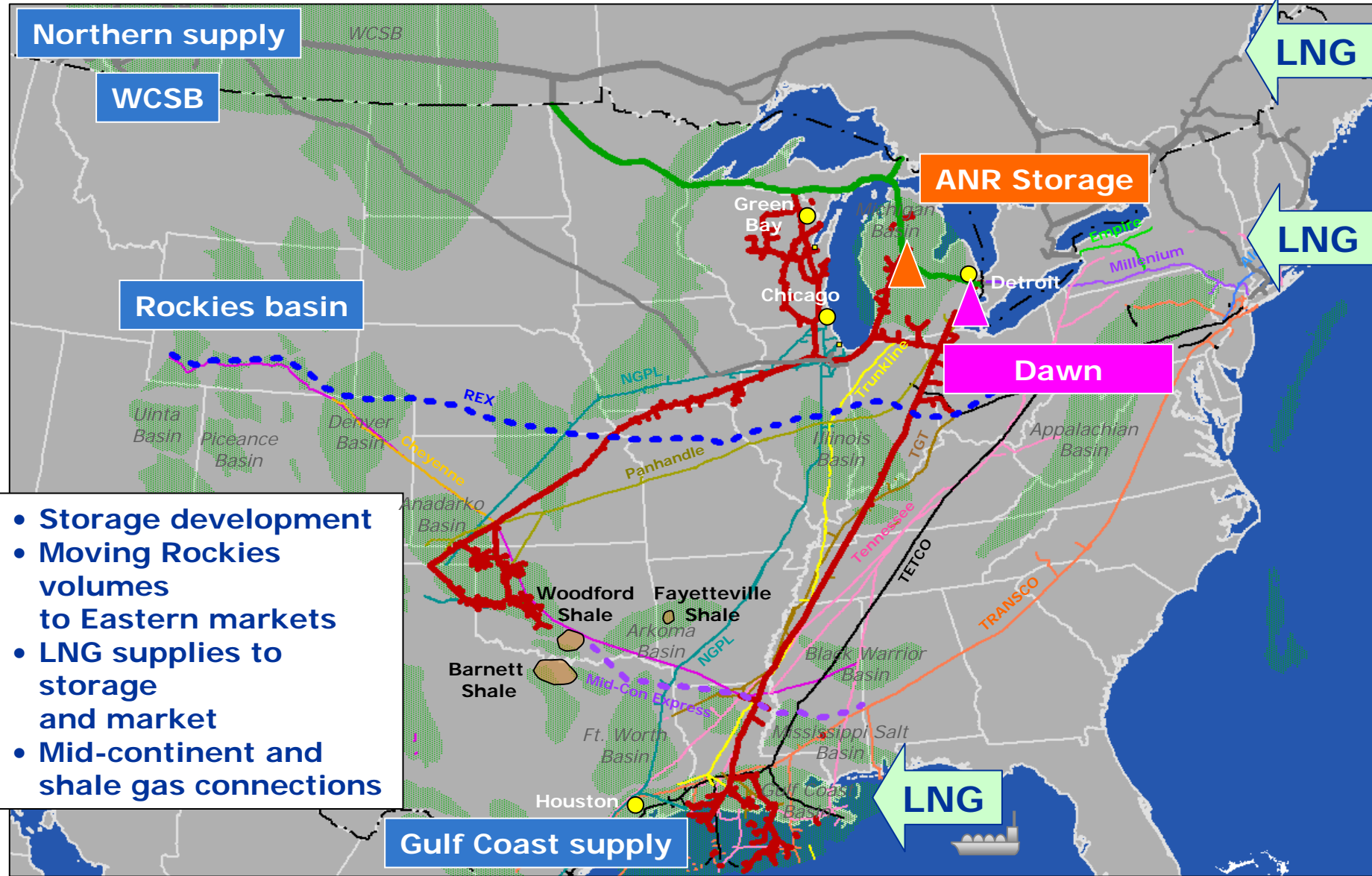


Future Market Growth - Gas-Fired Generation



- Gas-fired generation represents significant market growth in Ontario over the next seven years;
- 2,150 MW of new gas-fired generation to be developed by 2014; represents approximately 400 – 500 MMcf/day of potential new load in Ontario;
- Will be used to help replace coal-fired generation (by 2014), meet local reliability needs and meet peaking requirements;
- TransCanada well-positioned to meet this growing market with short-notice services
- **Note:** gas-fired generation will be Combined-Cycle or Simple Cycle; not base-load – increased demand for storage/balancing

Connecting Supply



- Storage development
- Moving Rockies volumes to Eastern markets
- LNG supplies to storage and market
- Mid-continent and shale gas connections

Coordinated Non-Binding Open Season



- In 4Q 2007, TransCanada held a Non-Binding Open Season to assess interest from customers for integrated storage and transportation services on the Canadian Mainline, PNGTS, GLGT, ANR, and ANR storage.
- Transportation open seasons were for service beginning November 1, 2009 or later; storage open season was for service commencing April 2010.
- TransCanada will utilize existing capacity supplemented as necessary with new facilities;
- Expansions are possible, and may provide a more timely alternative to green field proposals.

Non-Binding Open Season Results



- Storage open season closed November 7, 2007;
Coordinated non-binding open closed Dec. 10, 2007;
- Expressions of interest for over 1.5 Bcf/day of pipeline capacity and over 50 Bcf of storage capacity;
- Capacity and facilities analysis underway; follow-up discussions with bidders are currently taking place;
- US Pipelines Central able to move to PA stage;
Canadian Mainline will hold binding open season for New Capacity end of February/early March.

Keystone - Overview



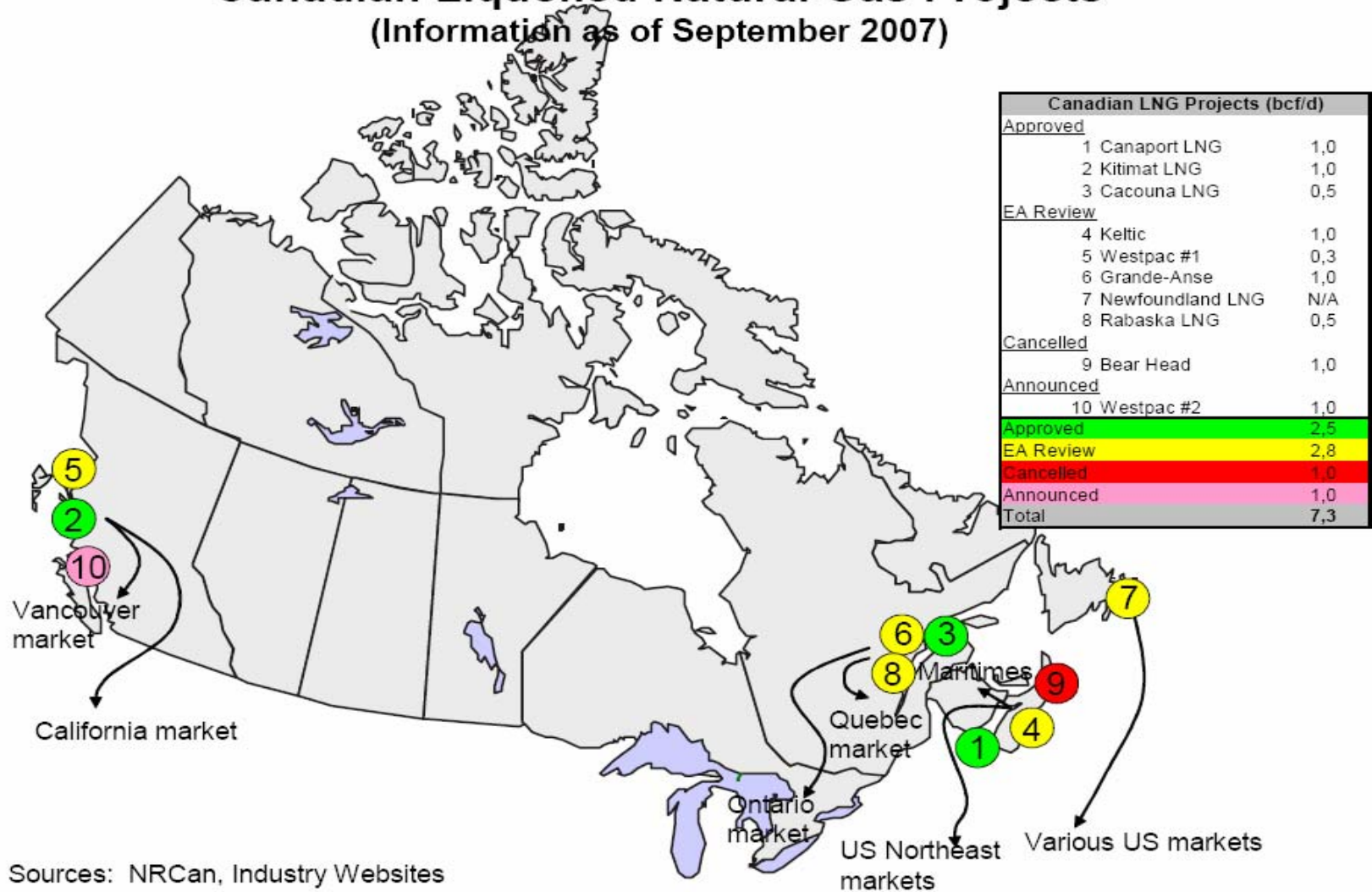
Keystone - Overview



- Crude oil pipeline with total length of 3,456 km
- Will transport crude oil from Hardisty, Alberta to U.S. Midwest markets
- Canadian portion:
 - Convert 864 km of natural gas pipeline to oil pipeline
 - New construction of 373 km of oil pipeline
 - New construction of pump stations
- US portion:
 - Construction of 2219 km of new oil pipeline and pump stations

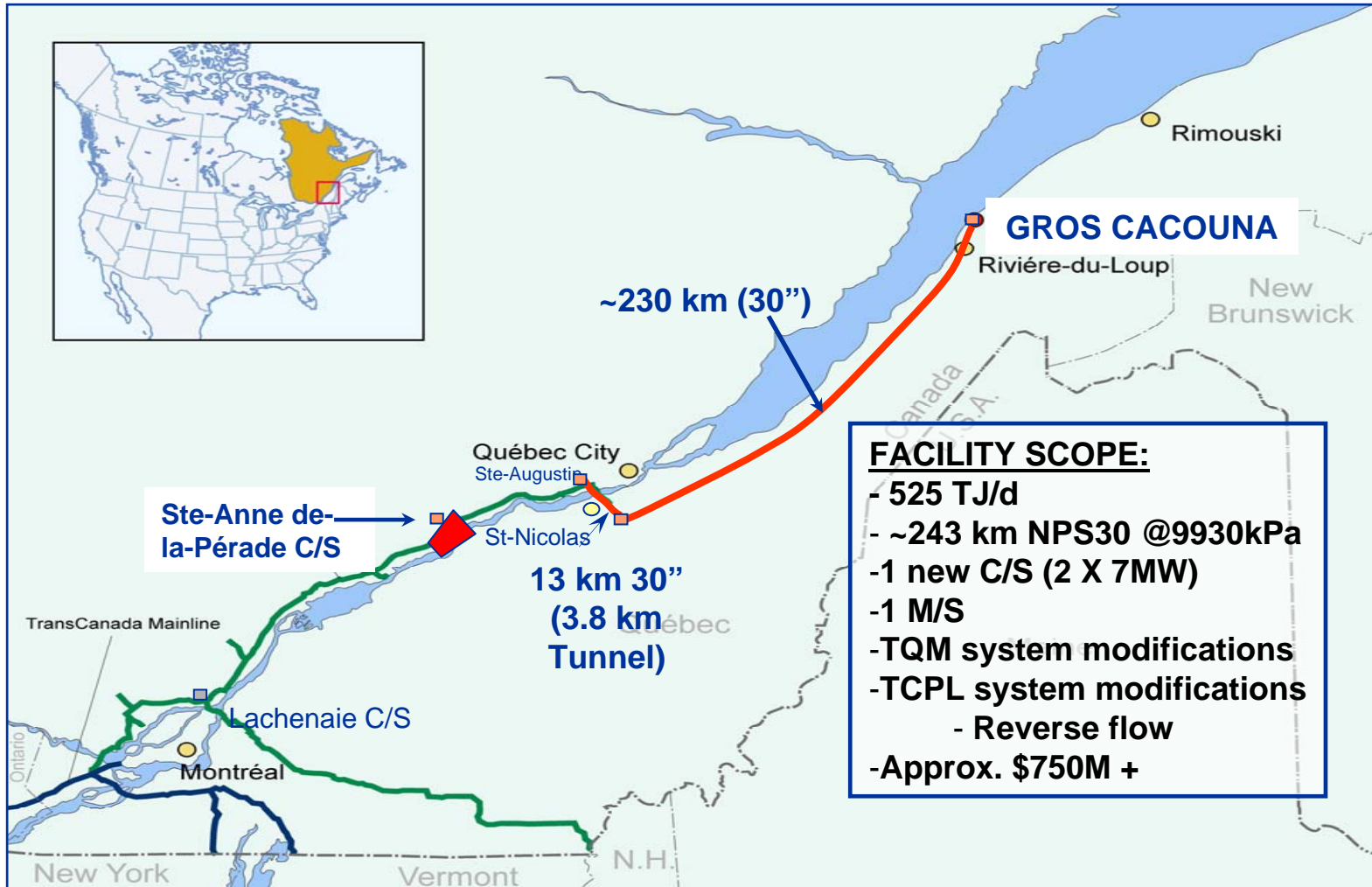
Canadian Liquefied Natural Gas Projects

(Information as of September 2007)



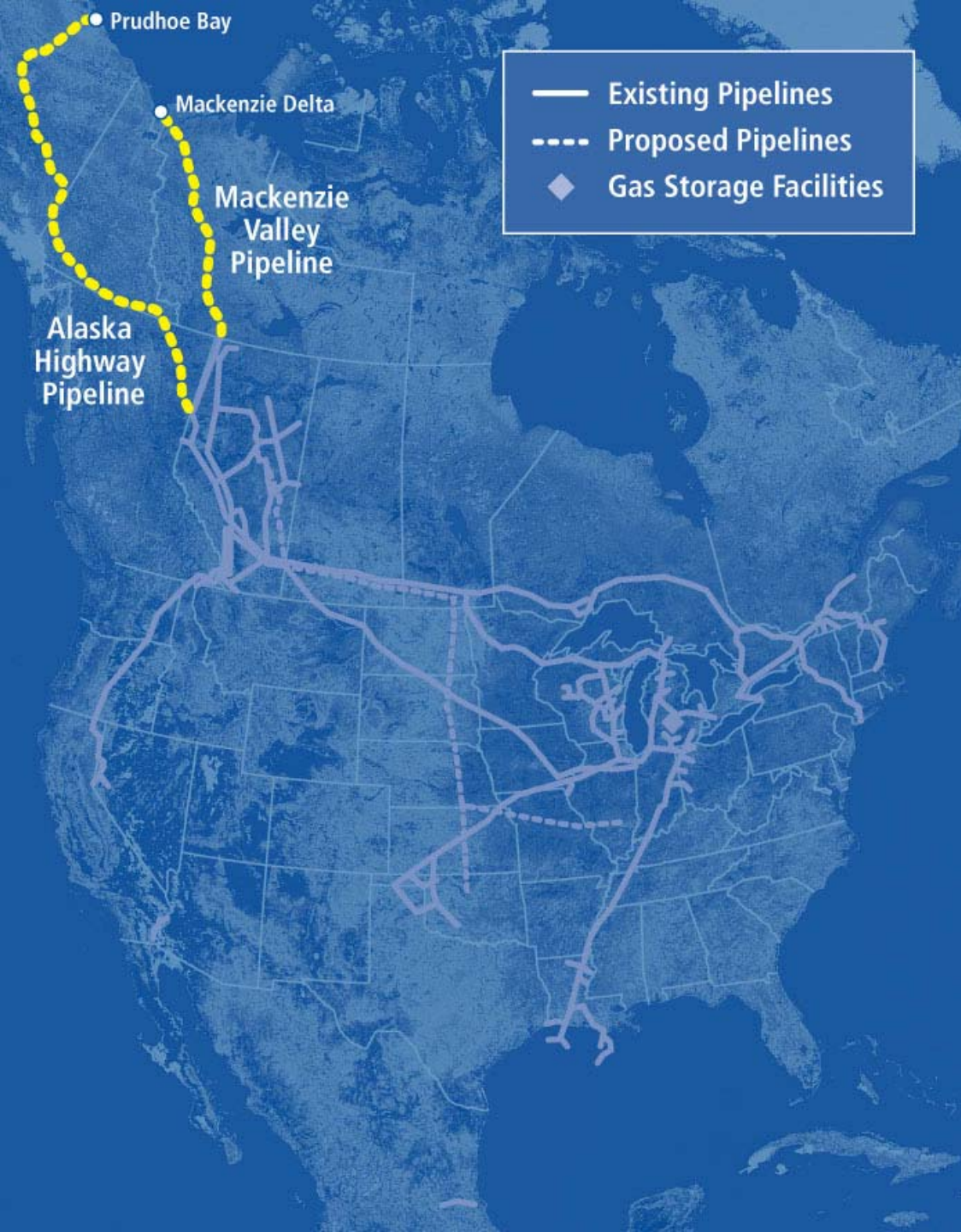
Sources: NRCan, Industry Websites

TQM Eastern Access Facilities In-service 2012



Chippawa





Northern Pipeline Projects

Mackenzie Valley Pipeline⁽¹⁾

- 9 Tcf Proven; 64 Tcf Ultimate
- 1,194 kms, 30" diameter
- initial volumes – 0.8-1.2 Bcf/d
- ultimate volumes – 1.8 Bcf/d

Alaska Highway Pipeline⁽¹⁾

- 31 Tcf Proven; 99 Tcf Ultimate
- 2,820 kms, 48" diameter
- initial volumes – 4.5 Bcf/d
- ultimate volumes – 6.0 Bcf/d

⁽¹⁾ Proposed projects

Alaska Pipeline Project



- **AGIA Process**

- TransCanada – only conforming application

- **Pipeline Scope**

- Prudhoe Bay to Alberta Hub
- 4.5 Bcf/d initial capacity
- More than 1700 miles
- 48-inch diameter
- 2500/2600 psig

- **Capital cost**

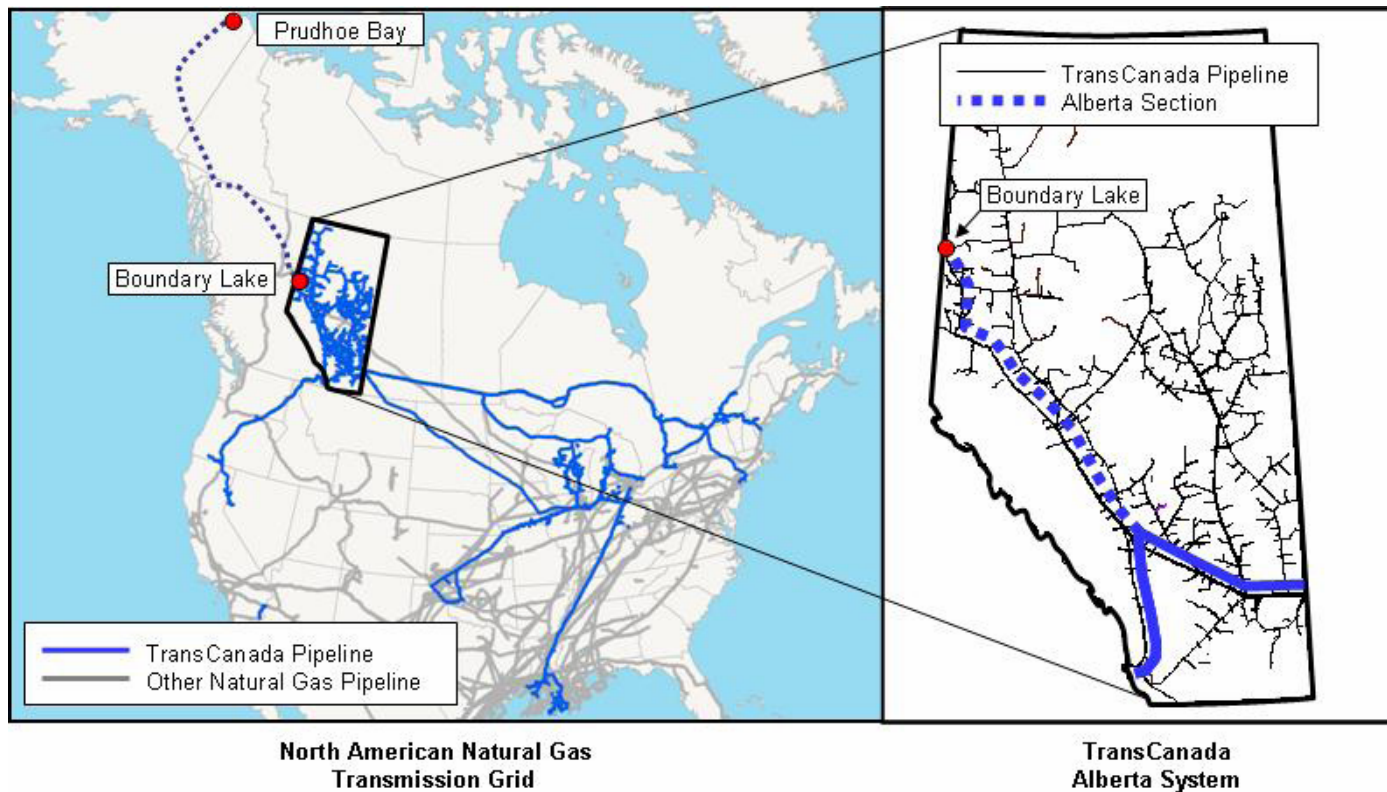
- \$26 billion (2007 \$US)

- **Schedule¹**

- Open Season Concludes September 2009
- In-service November 2017

¹ Subject to AGIA License being issued by April 2008

Access to Downstream Markets

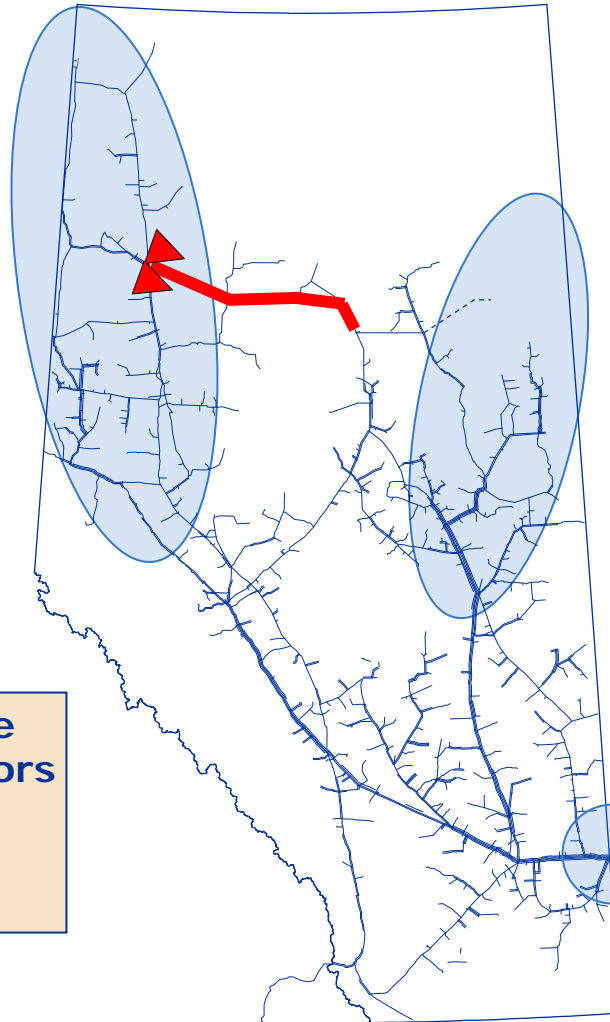


NGTL 09/10 Expansion: North Central Corridor



Supply Growth

- Peace River
- NE BC
- Foothills
- Mackenzie
- Alaska



Demand Growth

- Fort McMurray Oilsands
- heavy oil projects

Supply Decline

- 300 kms – 42 inch pipe
- Two 13 MW Compressors
- In-service 2010
- \$983MM Capital Cost
- Fuel Savings

Eastern Gate Capability

NGL Inquiry – Extraction Rights

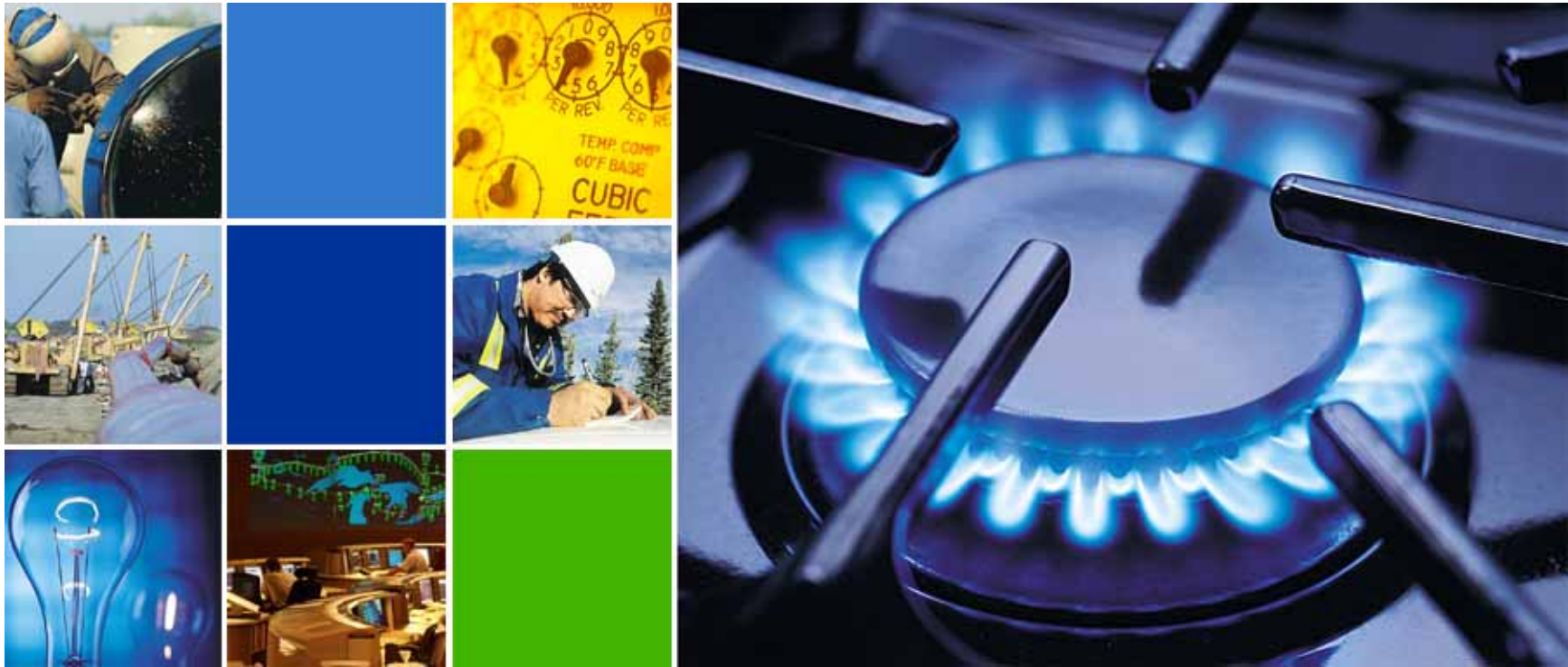


- Export Shippers currently hold extraction rights
- Producers pursuing alternatives to capture NGL value
 - Field extraction
 - Ship gas on competing systems
- Alberta Regulator: producers should have the rights
- NGTL Proposal: shift extraction rights from delivery shippers to receipt shippers (NEXT)
- Benefits:
 - Attract more supply and NGLs
 - Simple to implement
 - Consistent with the views of the Board

Conclusions



- TransCanada's North American assets provide access to diverse supply sources, markets and storage
- TransCanada is well-positioned to respond to evolving North American supply/demand dynamics (LNG, Northern Gas, growing power gen demand, etc.)
- TransCanada remains committed to the market, and continues to expand where required to meet growing demand



Services and Service Flexibility

TransCanada Mainline Services



Firm ("FT")

Firm Non-renewable ("FT-NR")

Interruptible ("IT")

Storage Transportation Service ("STS")

Storage Transportation Service-Linked ("STS-Linked")

Firm Service Tendered ("FST")

Short-Term Firm ("STFT")

Parking & Loan ("PALS")

Long Term Winter Firm Service ("LTWFS")

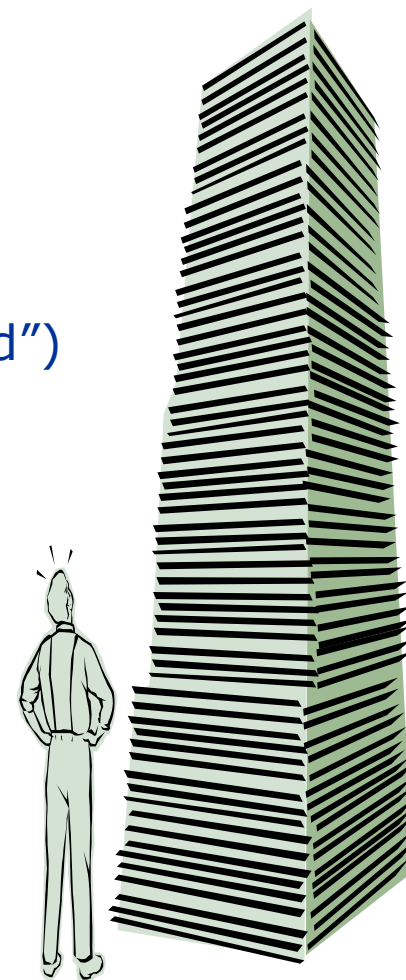
Firm Service – Short Notice ("FT-SN")

Short Notice Balancing ("SNB")

Interruptible Backhaul ("IBT")

Firm Backhaul ("FTB")

Energy Deficient Gas Allowance ("EDGA")



Priority of Service



Highest
Priority

FIRM

- FT, STS, LTWFS, FST, FT-NR, STFT, FT-SN, SNB
- Curtailment is prorata based on CD
- Demand Charge credits if curtailed

DISCRETIONARY

- FT Diversions & FT Alternate Receipts
 - Prorated based on nomination
- Interruptible
 - Prorated based on price bid
- Park & Loan

Lowest
Priority

Firm Transportation ("FT"): Contract Matters



Term

- Minimum 1 year, if excess capacity
- Typically 10 years, if construction required

Renewal

- 1 year term on 6 months prior notice

Assignments (Capacity Release)

- Unregulated
- Temporary or Permanent

Financial Assurances (only if required)

- No new facilities: maximum of billing cycle (≈ 75 days)
- New Facilities: maximum of 12 months

Firm Transportation ("FT"): Cost



Toll

- Demand / Commodity.....full fixed/variable
- Determined Annually Cost of Service
- Distance-based
- No Discounting Permitted

Fuel

- In-Kind
- Monthly Ratio of Delivery volume

Firm Transportation (“FT”): Operational



Balancing

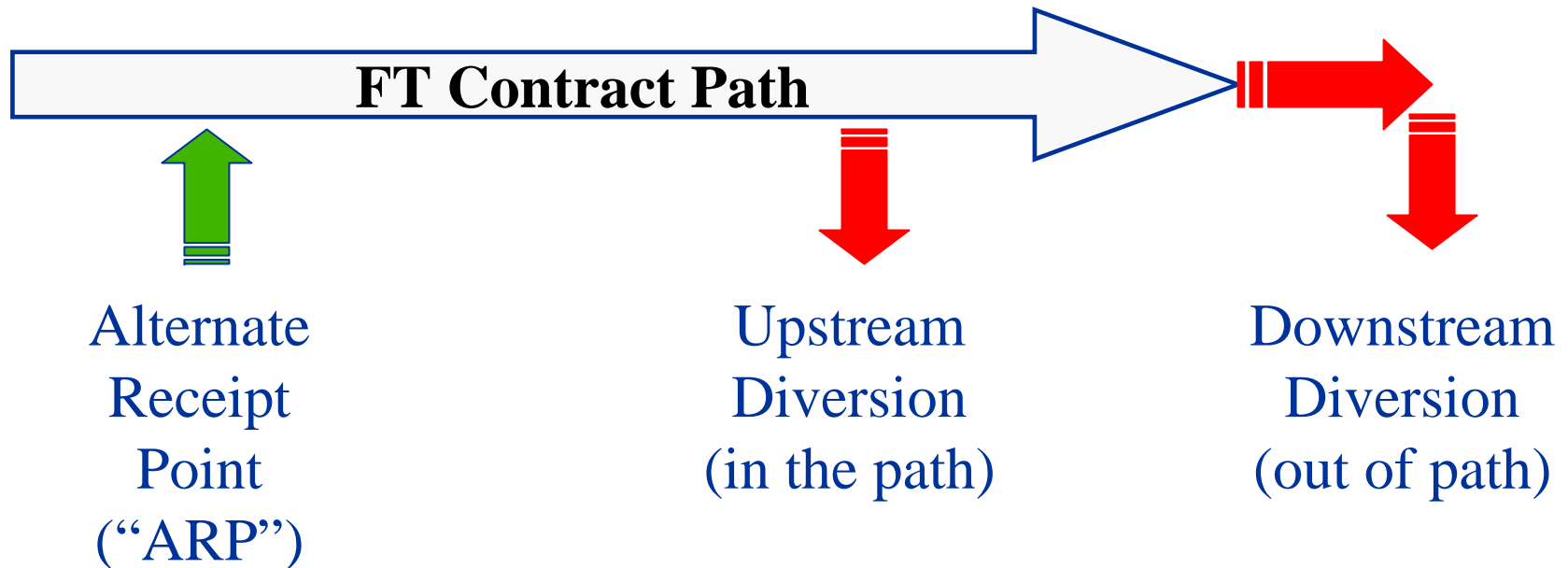


- 100% of interconnection points have Balancing Agreements
- Shippers not exposed to any TransCanada balancing penalties
- Billed = Authorized Nomination
- Receipt = Delivery

Nominations

- NAESB Windows
- No “bumping” on TransCanada
 - Once a service is authorized & scheduled for a Gas Day, it cannot be bumped by a higher priority service at a subsequent window

Firm Transportation (“FT”): Operating Flexibility

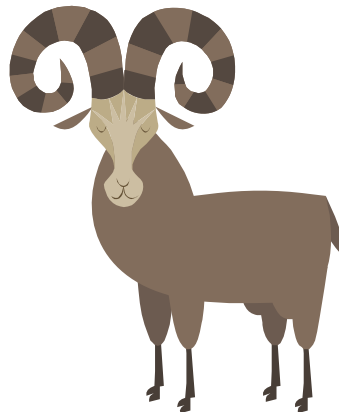


- High priorityone level below “firm”
- Nominated services
 - no contract change required to access new points
- Incremental toll if ‘out-of-path’
 - check with TransCanada if uncertain of toll

Firm Transportation (“FT”): Risk Alleviation Mechanism “RAM”



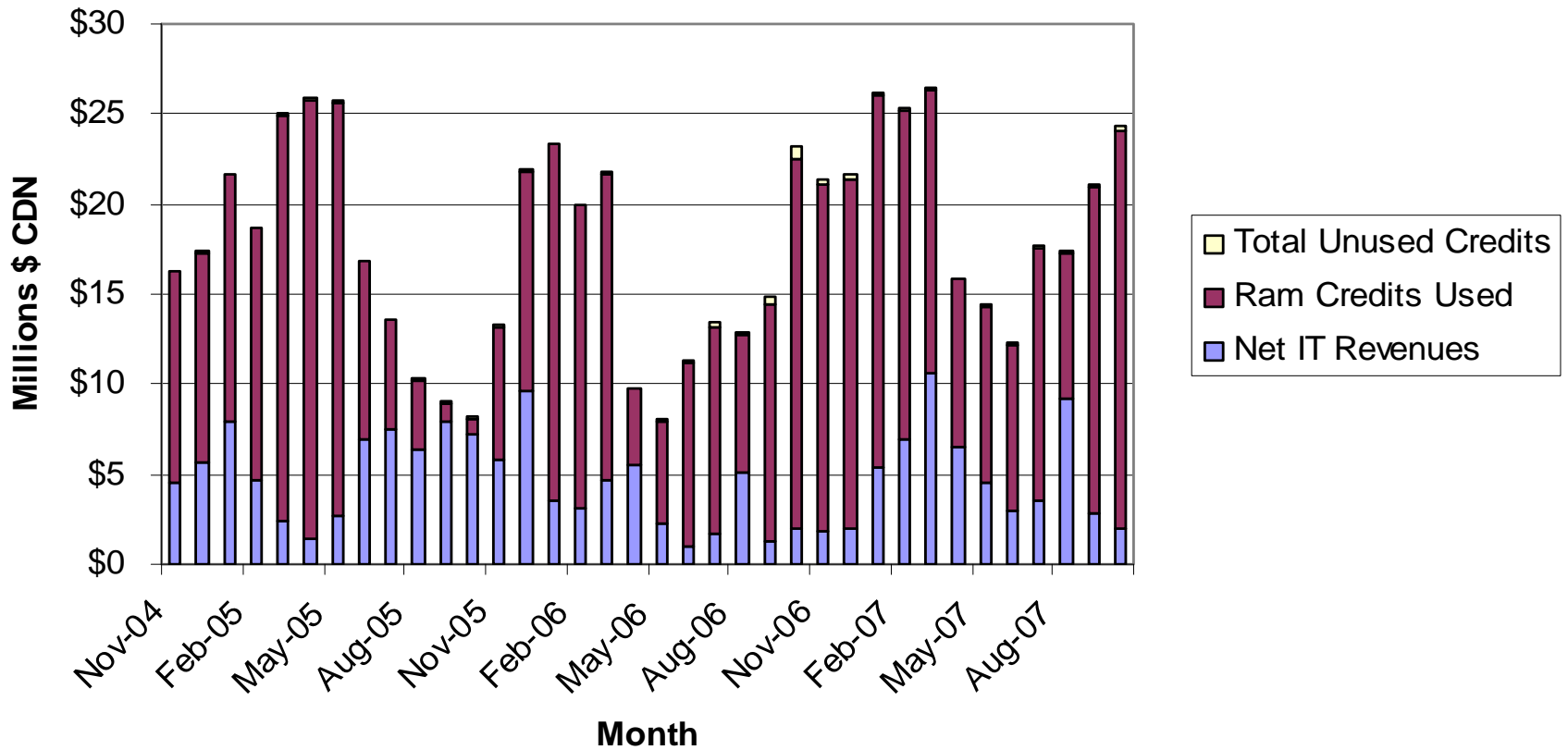
- Provides FT shipper with a \$ credit to their IT invoice if they do not use their full FT entitlement
- Used towards IT on any path; on any day during month
- Cannot assign to another shipper
- Only available for long-haul FT or short-haul FT that is linked to a long-haul FT
- NOTE: Cannot shift contracts to create link to long-haul FT



RAM Utilization



Monthly RAM Credit Utilization and Net IT Revenues



Firm Transportation ("FT"): Advantages



1) Firm Priority

2) Contract Flexibility

- Minimum 1 year, if excess capacity
- Renewal right for 1 year term on 6 month's prior notice
- Simple, unregulated assignments (i.e. capacity release)
- Relatively non-punitive financial assurance requirements



3) Operating Flexibility

- Access to alternate receipt & delivery points
- High priority access to 'out of path' delivery points
- RAM credits to IT ...any path...any time in month



Short Term Firm Transportation (STFT)



- Term: 1 week to 364 days
- Open Season “Auction” based price bids
 - Floor price = FT Toll
- Firm Priority
- No RAM, diversion, ARP or renewal rights
- Blanket Contract

Benefits:



- Firm Service
- Meets short term or seasonal needs
- Simple (Blanket Contract)

Interruptible Transportation (IT)



- Term: 1 day
- Open Season “Auction” based on price bids
 - Floor price = 110% of FT Toll
- Discretionary Priority
- No RAM, diversion, ARP or renewal rights
- Blanket Contract

Benefits:

- Meets daily requirements
- Simple
 - Blanket Contract
 - Accessed via Nominations process



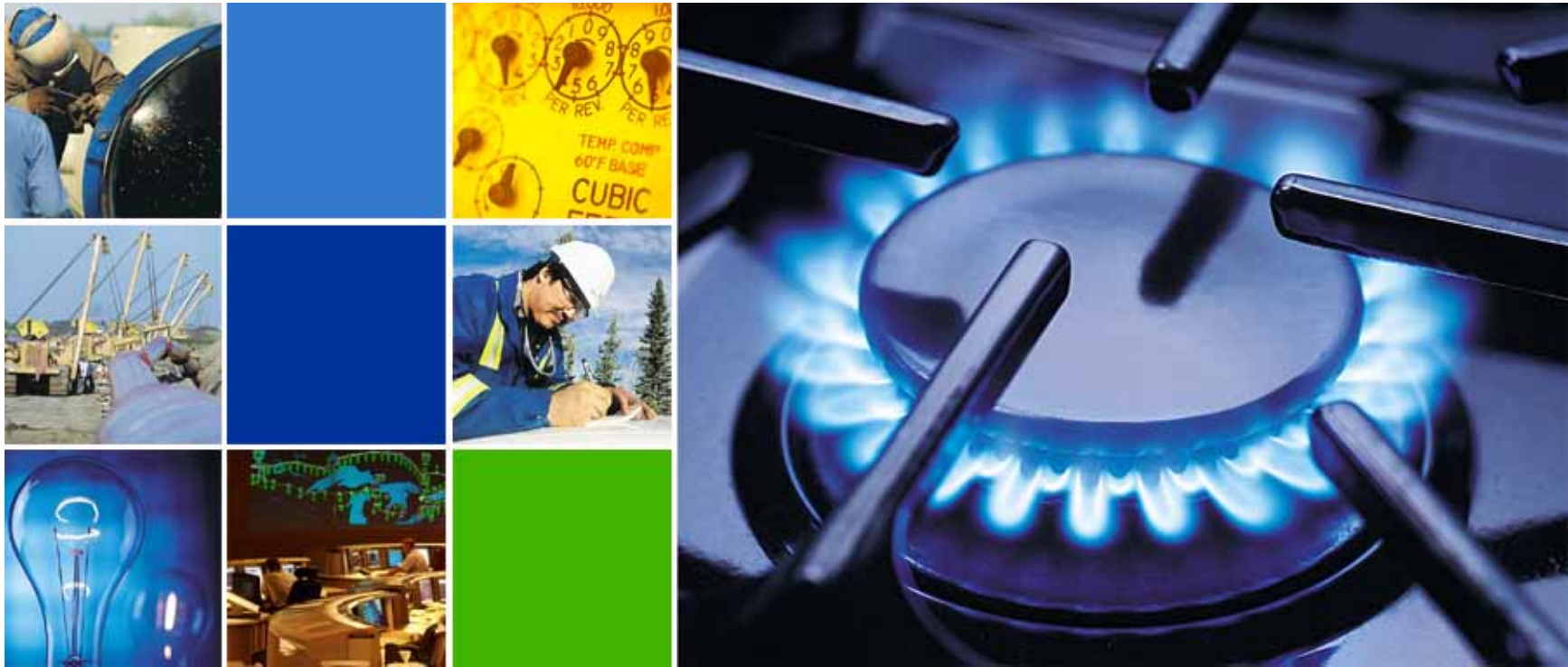
Parking & Loans (PALS)



- Term: No limit
- Priority: lowest
- Toll: Negotiable
- Availability: at any location; subject to capacity

Benefits:

- ✓
 - Tool to manage market / supply mis-matches, UDC, restrictions.....
 - Price is negotiable



Canadian to US Translation

Canadian to U.S. Translation



Gigajoule (GJ) =	0.948 Dekatherms (Dth)
Terajoule (TJ) =	948 Dekatherms (Dth)
Assignment -non-regulated; free-market	Capacity Release -fully regulated
Contract Segmentation	Capacity Segmentation
Diversions	Secondary Delivery Point Rights
Alternate Receipt Points (ARP)	Secondary Receipt Point Rights
FT-RAM	Huh???
FT Renewal Rights: 1 year on 6 month's prior notice	ROFR.....?????

Canadian to U.S. Translation

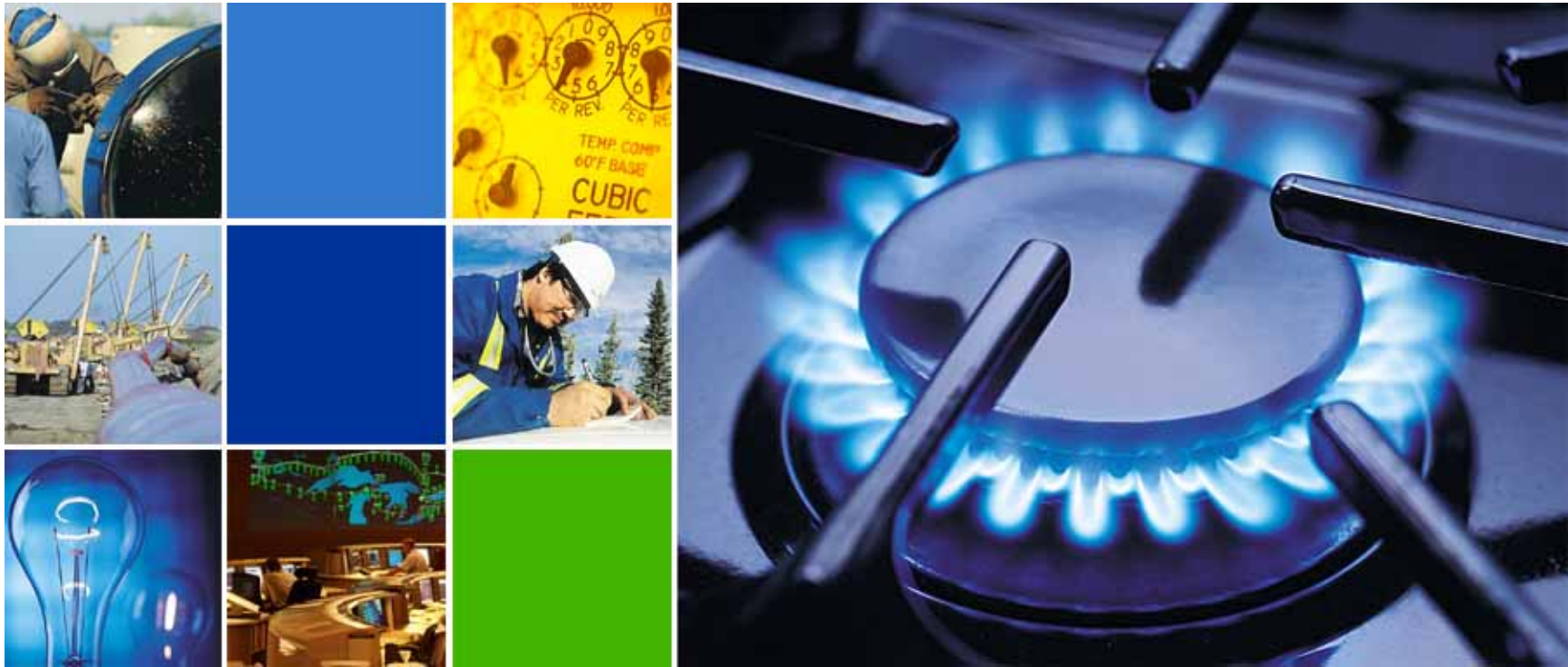


Bumping: No Eh.	<p>Bumping:</p> <ul style="list-style-type: none"> -IT at Evening and ID1 -No bumping of secondary Firm -No bumping at ID2
<p>IT: Auction at every window based on bid price</p> <ul style="list-style-type: none"> -Price Floor 	<p>IT: Negotiated Discounts</p> <ul style="list-style-type: none"> -Price Cap
Title Transfer, "Handshake", "NIT"	Title Transfer
Alberta NIT Hub ("AECO" Hub)	Henry Hub

Canadian to U.S. Translation



Steve Harper	George Bush
Conservative	Republican
Liberal	Michael Moore
National Energy Board ("NEB")	FERC
Eh?	Huh?
Molsons	Bud
Don Cherry	John Madden
Terana	Toronto
1 dollar Canadian =	1 dollar U.S.



How to Get Capacity

Open Seasons



- Long- and short-term firm capacity on the Mainline is accessed via open seasons;
- Fair and equitable access to system capacity

Where Capacity Exists:

- Existing Capacity Open Season
- Daily Open Season

Where a Facilities Expansion is Required:

- New Capacity Open Season

Existing Capacity Open Season



- Provides access to available capacity on the system
- Post by May 5th each year or as required
- Remains open for minimum of 5 days
- Minimum Term of bid – 1 year
- Bids evaluated on monthly demand toll x term
- Financial Assurance Requirements – 70 day demand charge equivalent

Daily Open Season



- Opens after Existing Open Season wraps up
- Post **half of remaining capacity** from Existing Open Season
- Minimum term = 1 year
- Financial Assurance Req'ts – 70 day demand charge
- Bid deadline is 5:00 PM Eastern time each day
- Closes when capacity sells out or when an Existing and/or New Capacity Open Season is announced

New Capacity Open Season



- Held when a facilities expansion is required to meet market demand;
- Requirements:
 - Bid must have minimum 10 year term
 - Supporting documentation required to support facilities application in front of the NEB
 - Financial Assurance Requirements – up to 12 months demand charge equivalent
- Successful bidders must execute Precedent Agreements and Financial Assurances Agreements; replaced with FT Agreement when facilities are approved.

Short-Term Firm Open Seasons



- Tariff requirement to hold a STFT Open Season January 1-15 for Summer Period, and July 1-15 for Winter Period; and on a daily basis
- Open season usually open for five business days
- Typically sold in a combination of seasonal and monthly blocks
- Capacity awarded based on bid price;
- Bidders must hold STFT Master Agreement;
- Once STFT open season closes and capacity has been allocated, **Daily** STFT Open Season begins;
- Customers can bid on capacity on a daily basis; bids due by 12:00 a.m. Eastern time each business day

Current & Upcoming Open Seasons



STFT

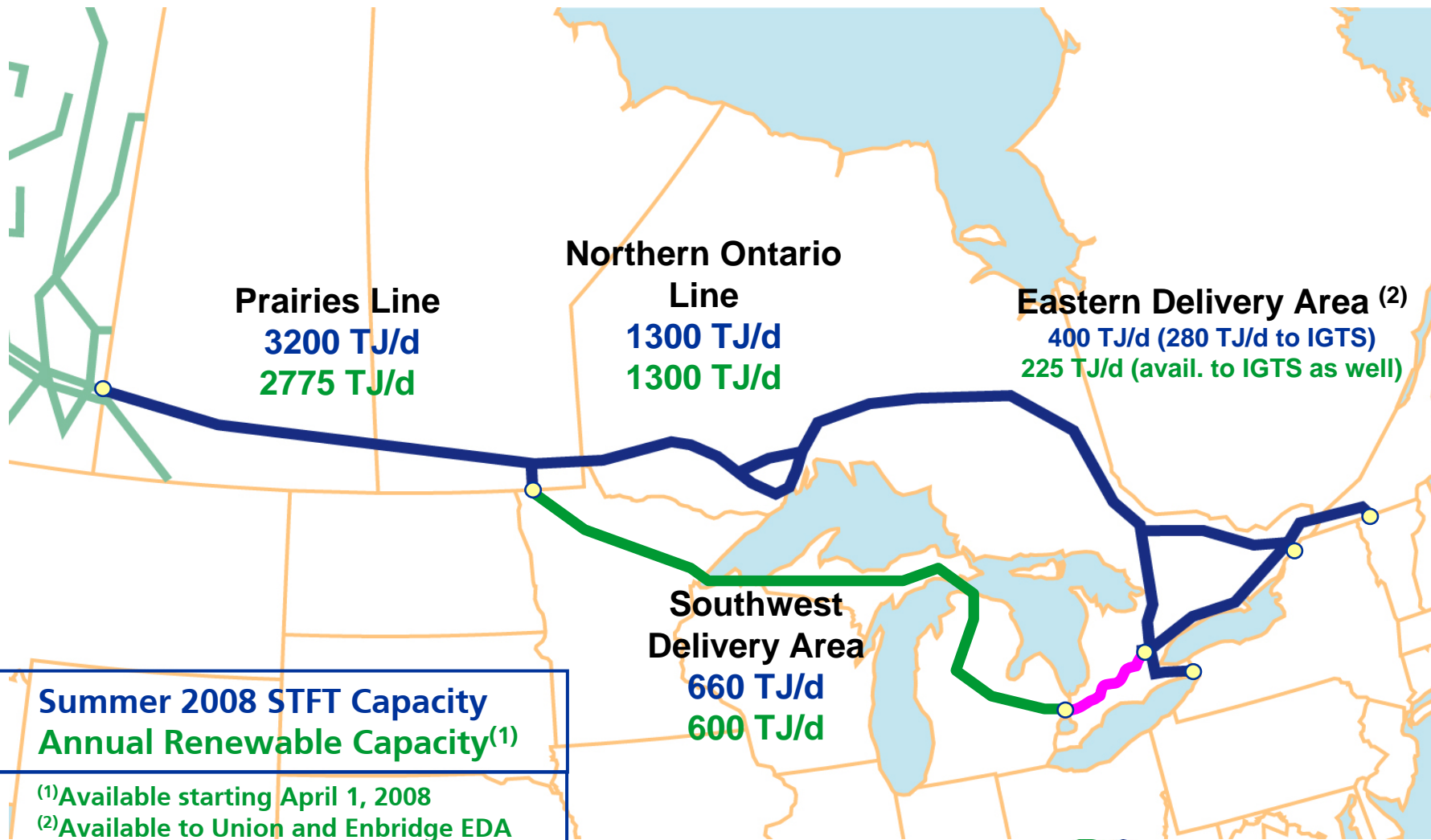
- February 2008 capacity is available to be bid on each day and is being sold for a minimum 7-day block
- March capacity being sold as a monthly block
- Summer 2008 capacity currently being sold as a 5-month block

FT, FT-SN, STS, STS-L

- FT Capacity is available to be bid on each day
- New Capacity Open Season expected to be issued end of February/beginning of March

FAX Mainline Contracting
(403) 920-2343

Existing Capacity for Sale



Open Season Information – Where to Find It



▶ [TransCanada Home](#) ▶ [Contacts](#) ▶ [Site Map](#) ▶ [Subscribe](#)

Search

Go

[TransCanada Home](#) ▶ [Gas Transmission](#) ▶ [Customer Express](#)

Pipeline Capacity

- Our Company ▶
- Gas Transmission ▶
- Power ▶
- Investor Centre ▶
- News ▶
- Social Responsibility ▶
- Careers ▶

- Alberta System
- BC System
- Canadian Mainline
- Foothills System

Customer Express

- Pricing & Tolls
- AB | ML | BC | FH
- Contacts
- Cool Tools

Pipeline Capacity

Alberta System

▶ [Contracted Delivery Capacity](#)

Open Seasons

- ▶ [FT-D](#)
- ▶ [STFI](#)

▶ [Capacity Bulletin Board](#)*

▶ [Short-Term Operational Plan](#)

BC System

▶ [Contracted Delivery Capacity](#)

Open Seasons

- ▶ [FS-1](#)
- ▶ [STFS-1](#)

Canadian Mainline

▶ [Contracted Delivery Capacity](#)

Open Seasons

- ▶ [FT - Existing](#)
- ▶ [FT - Daily](#)
- ▶ [FT - New](#)
- ▶ [STFT - Summer | Winter](#)

▶ [Volume Planner's Report](#)

Foothills - Saskatchewan

▶ [Contracted Delivery Capacity](#)

Open Seasons

- ▶ [T-1](#)
- ▶ [STFI](#)

* Requires a User Id and Password



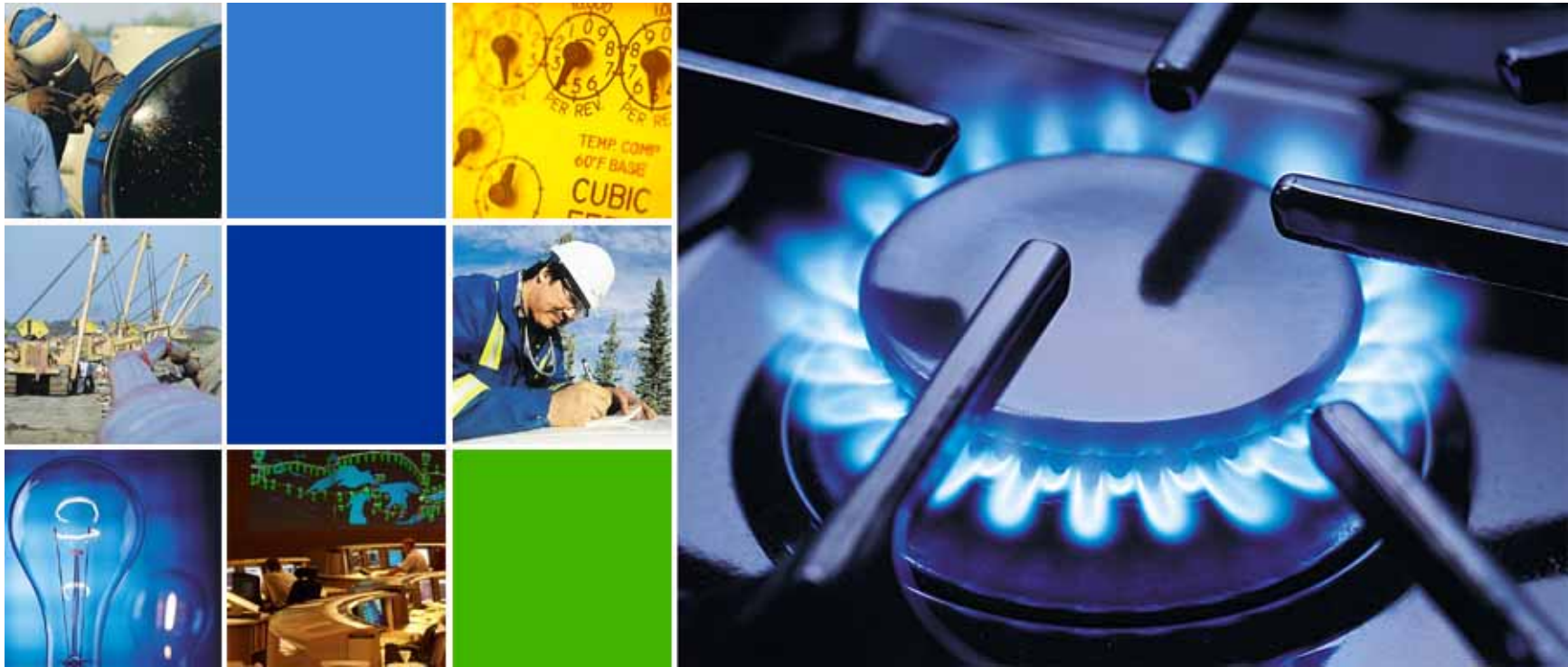
MAINLINE OPEN SEASONS

- ▶ [FT - Existing Capacity](#)
- ▶ [FT - Daily](#)
- ▶ [FT - New Capacity](#)
- ▶ [STFI](#)

REQUEST FOR SERVICE

- ▶ [Alberta System](#)
- ▶ [Canadian Mainline](#)
- ▶ [BC System](#)
- ▶ [Foothills-Saskatchewan](#)

www.transcanada.com/Customer_Express/capacity/index.html



Goods and Services Tax ("GST")



TransCanada
In business to deliver

GST on Transportation Charges



- Tax on Canadian Deliveries = 5% of toll
- U.S. Deliveries may be zero-rated:

“Intention Test”: You must intend to export the gas to the U.S.

“Actual Test”: You must be able to demonstrate that the gas was actually exported to the U.S.

“Declaration Test”: TransCanada must obtain a Declaration from you that warrants that the first two tests have been met.

Mainline Zero-Rating Processes - Deliveries



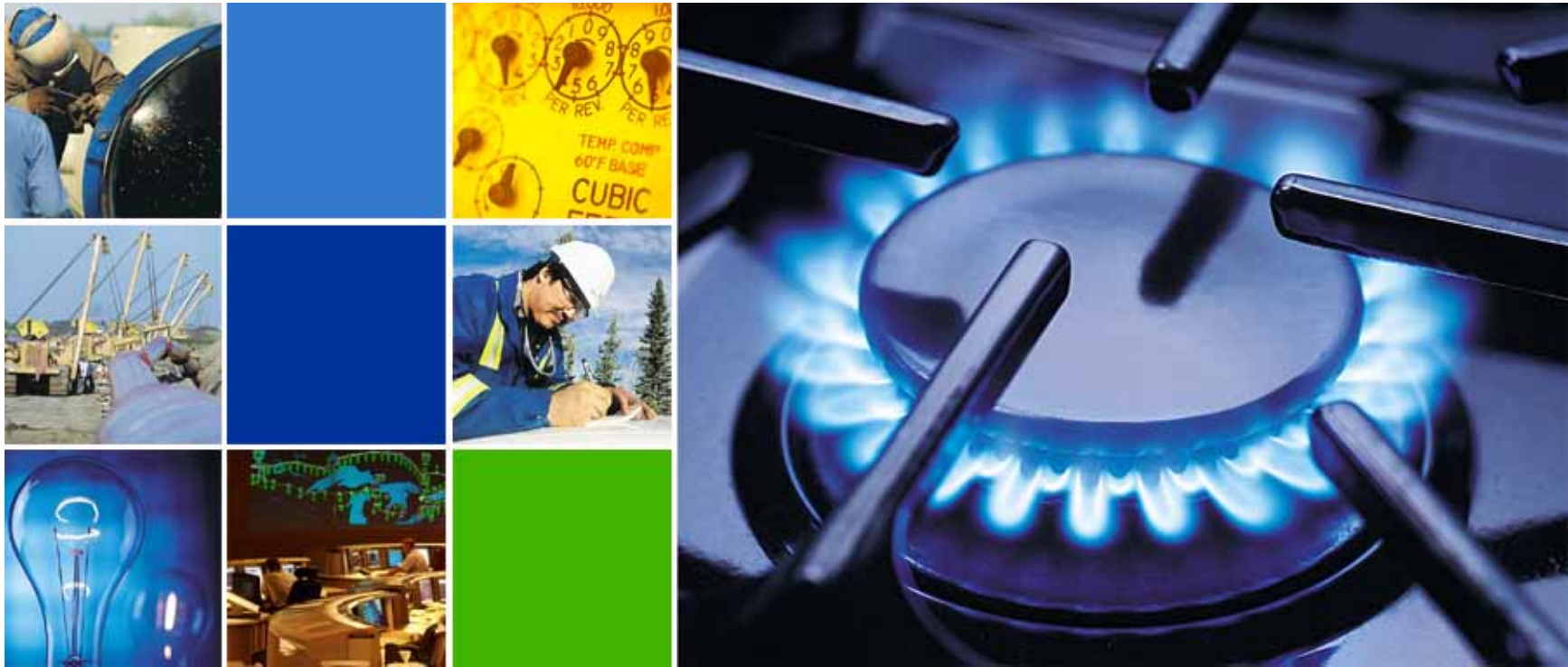
Export Deliveries:

- Request zero-rating by checking the GST Declaration Flag on Nomination Screen

Unutilized Demand Charges under Export Contracts:

- One-time Contract-level Declaration
- Declarations take effect on the 1st of the next month
- Forms and additional information can be found at:

http://www.transcanada.com/Mainline/customer_activities/contracts.html



How To Transact on TransCanada

Customer Service Group



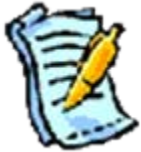
- Functions
 - Contracts, Nominations, Allocations, Measurement, Billing, Customer Call Centre
- 7 pipelines
 - Mainline, Alberta, BC, Foothills, Portland, TQM and Ventures
 - Transportation by others, Great Lakes, Union, TQM, Ventures and ATCO
- 65 staff
- 7 days x 15 hour coverage



Customer Service Processes



26,200 Contracts



780 Customers



4 Nomination Cycles/d
3,200 nominations/d

Exposure Calcs

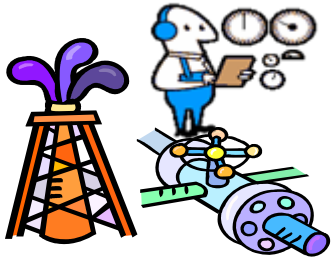
Validate

Invoice = \$3.5 B

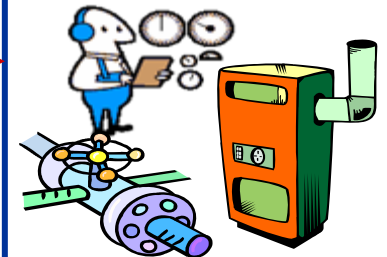
-Nominations
-Confirmations

-Nominations
-Confirmations

992 Receipt Pts



404 Delivery Pts



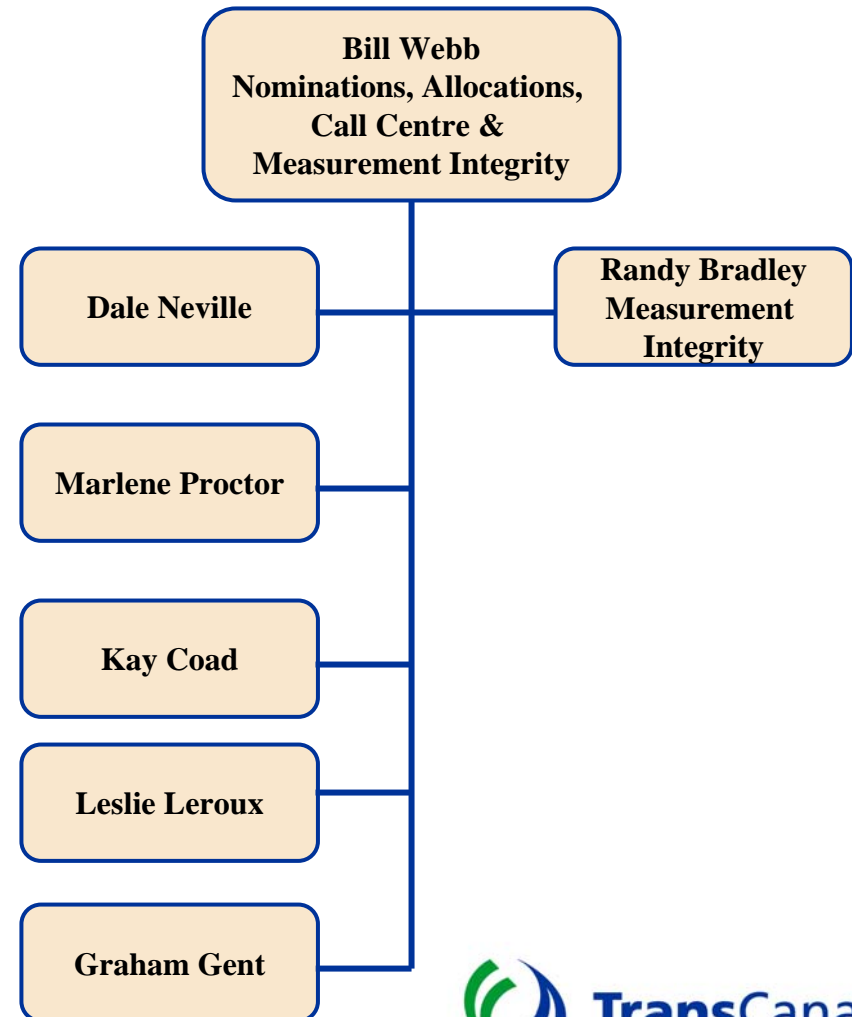
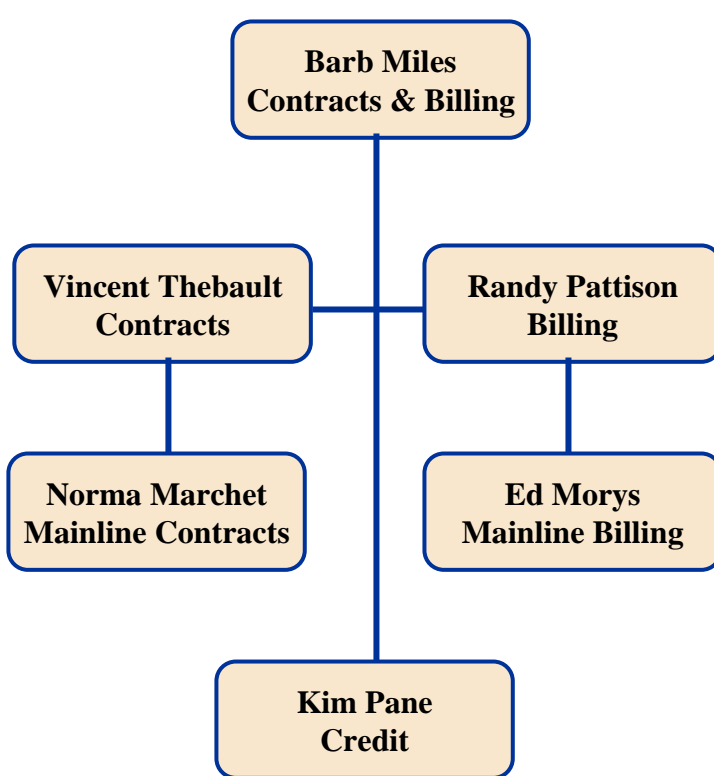
-Measurement
-Allocations

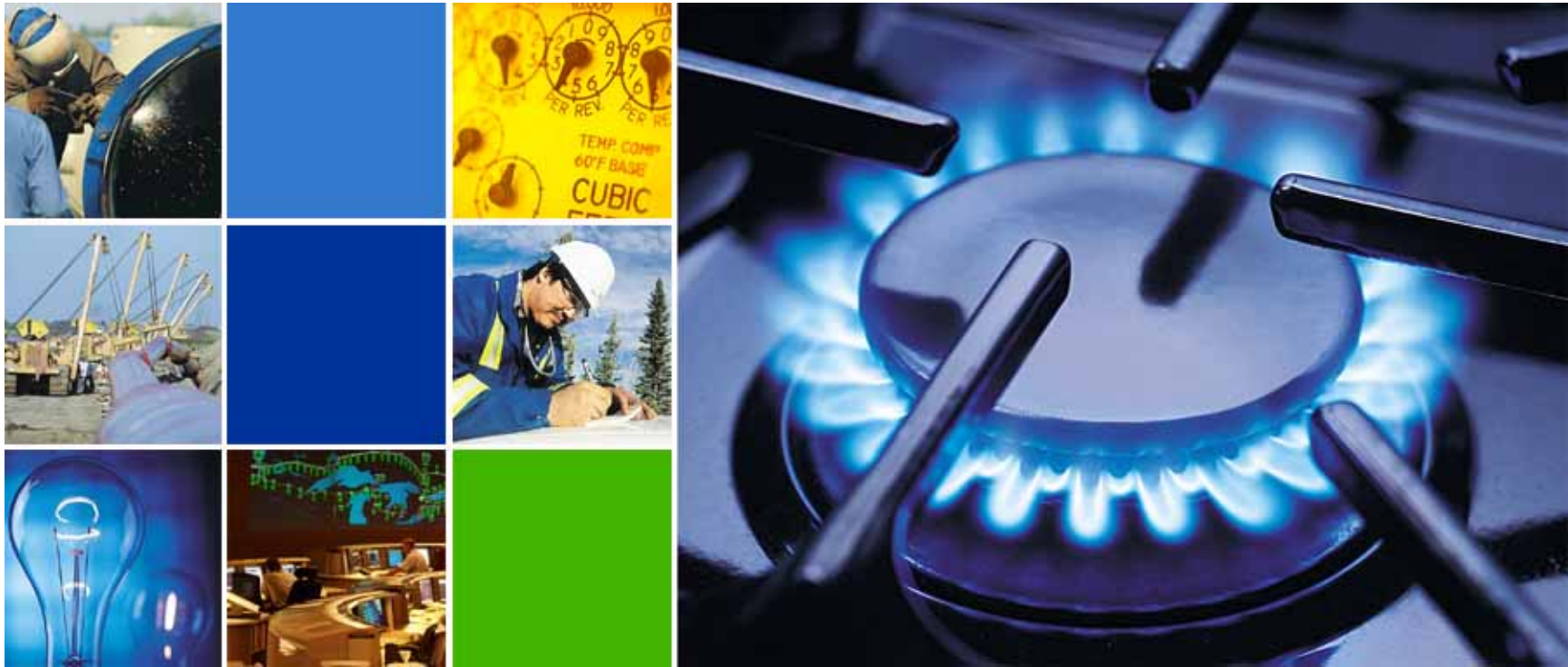
Manage
Imbalances

-Measurement
-Allocations



Customer Service Functions





Customer Online Information

Reporting



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Pricing & Tolls

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- Pipelines Organizational Structure

Cool Tools

- Toll Calculator
- Conversion Tool
- Tool for FT-P Service

Other Info

- Presentations [AB](#) | [ML](#) | [BC](#) | [FH](#)
- Credit Procedures [AB](#) | [ML](#) | [BC](#) | [FH](#)
- AB Gas Quality Requirements
- Gas Quality Specifications
- AB Annual Plan

Pipeline Capacity

- Capacity for Sale
- AB FT-R Availability Map **NEW**
- Contracted [AB](#) | [ML](#) | [BC](#) | [FH](#) Capacity
- Request for Service [AB](#) | [ML](#) | [BC](#) | [FH](#)
- Foothills Quarterly Throughput

Services & Tariffs

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Operational Links

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- Fuel Rates [AB](#) | [ML](#) | [BC](#) | [FH](#)
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- Reporting * [AB](#) | [ML](#) | [BC](#) | [FH](#)
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- Shipper List [AB](#) | [ML](#) | [BC](#) | [FH](#)
- Gas Day Summary



Your connection to commercial information

EXPRESS NEWS

- 2007 October issue of Update magazine is here! - **October 31, 2007**
- TransCanada Announces a Co-ordinated Non-Binding Open Season with Mainline, ANR, GLGT and PNGTS - **October 10, 2007**
- 2007 September issue of Update magazine is here! - **September 28, 2007**
- U.S. Pipelines Central Announces a Coordinated Non-Binding Open Season for Firm Storage - **September 20, 2007**

[Express News Archives](#)





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Tariff



**Call Centre
HELP**



**Issues?
Talk to us!**

IT Bid Tolls and Fuel Ratios



		Rece																		
Delivery	December 2007	Empress	Bayhurst 1	Bayhurst 2	Centram SSDA	Centrat MDA	Chippawa	Cornwall	East Hereford	Emerson 1	Emerson 2	Enbridge CDA	Enbridge EDA	GMI EDA	GMI NDA	Goreway CDA	Grand Coulee	Herbert	Iroquois	Kirkwall
		Empress	IT Bid Toll	***	BH	BH	***	***	BH	BH	BH	BH	BH	***	***	***	***	***	***	BH
	Fuel (pressure incl.)	***	BH	BH	***	***	BH	BH	BH	BH	BH	***	***	***	***	***	***	BH	BH	***
Bayhurst 1	IT Bid Toll	0.2100	***	***	***	***	BH	BH	BH	BH	BH	***	***	***	***	***	***	BH	BH	BH
	Fuel (pressure incl.)	0.69	***	***	***	***	BH	BH	BH	BH	BH	***	***	***	***	***	***	BH	BH	BH
Centram MDA	IT Bid Toll	0.3558	0.3451	0.3451	***	***	0.7574	0.8026	0.9296	0.0879	0.0879	***	***	***	***	***	0.2235	0.2876	0.7909	0.7169
	Fuel (pressure incl.)	1.27	1.22	1.22	***	***	3.08	3.28	3.84	0.12	0.12	***	***	***	***	***	0.69	0.97	3.23	2.90
Centram SSDA	IT Bid Toll	0.2100	0.1992	0.1992	***	***	BH	BH	BH	BH	BH	***	***	***	***	***	0.0777	0.1418	BH	BH
	Fuel (pressure incl.)	0.69	0.64	0.64	***	***	BH	BH	BH	BH	BH	***	***	***	***	***	0.06	0.39	BH	BH
Centrat MDA	IT Bid Toll	0.3558	0.3451	0.3451	0.1766	***	0.7580	BH	BH	0.0886	0.0886	***	***	***	***	0.7142	0.2235	0.2876	BH	0.7176
	Fuel (pressure incl.)	1.27	1.22	1.22	0.50	***	3.06	BH	BH	0.08	0.08	***	***	***	***	2.86	0.69	0.97	BH	2.88
Chippawa	IT Bid Toll	1.1298	1.1191	1.1191	***	***	***	0.2509	0.3779	0.7079	0.7079	***	***	***	***	0.0961	0.9975	1.0617	0.2370	0.0788
	Fuel (pressure incl.)	5.38	5.34	5.34	***	***	***	1.52	2.07	3.53	3.53	***	***	***	***	0.83	4.80	5.08	1.45	0.69
Cornwall	Fuel (p				***	***	0.2510	***	BH	0.8101	0.8101	***	***	***	***	0.1933	1.0124	1.0766	0.0524	0.2167
Dawn Export	Fuel (p				***	***	0.83	***	BH	3.29	3.29	***	***	***	***	0.57	4.18	4.46	0.00	0.67
East Hereford	Fuel (p				***	***	0.3780	0.1654	***	0.9371	0.9371	0.3204	0.2067	0.1481	***	0.3202	1.1395	1.2036	0.1794	0.3437
Emerson 1	Fuel (p				***	***	1.38	0.45	***	3.85	3.85	1.13	0.63	0.37	***	1.13	4.74	5.02	0.51	1.23
Emerson 2	Fuel (p				0.1840	***	BH	0.8101	0.9371	***	BH	***	***	***	***	0.6909	0.2680	0.3322	0.7984	BH
	Fuel (p				0.71	***	BH	3.47	4.02	***	BH	***	***	***	***	2.94	1.08	1.36	3.41	BH
	Fuel (pressure incl.)	1.66	1.62	1.62	0.1840	***	BH	0.8101	0.9371	BH	***	***	***	***	***	0.6909	0.2680	0.3322	0.7984	BH
Enbridge CDA	IT Bid Toll	1.1334	1.1226	1.1226	***	***	0.1002	0.1934	0.3204	0.7043	0.7043	***	0.2000	0.2466	***	0.0604	1.0011	1.0652	0.1794	0.0753
	Fuel (pressure incl.)	4.70	4.66	4.66	***	***	0.16	0.57	1.13	2.82	2.82	***	0.60	0.81	***	0.00	4.12	4.40	0.51	0.00
Enbridge EDA	IT Bid Toll	1.1334	1.1226	1.1226	***	***	0.2665	0.0803	0.2067	0.7885	0.7885	0.2000	***	0.1245	***	0.1941	1.0011	1.0652	0.0698	0.2176
	Fuel (pressure incl.)	4.70	4.66	4.66	***	***	0.90	0.00	0.63	3.19	3.19	0.60	***	0.27	***	0.58	4.12	4.40	0.00	0.68
Enbridge SWDA	IT Bid Toll	0.9562	0.9454	0.9454	***	***	BH	0.2834	0.4104	0.6007	0.6007	***	***	***	***	0.1286	0.8239	0.8880	0.2695	BH
	Fuel (pressure incl.)	3.93	3.88	3.88	***	***	BH	0.97	1.53	2.36	2.36	***	***	***	***	0.29	3.35	3.63	0.91	BH

1.2717

5.32



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Call Centre
HELP



Issues?
Talk to us!

Gas Day Summary Report - Mainline



Gas Day Summary - TransCanada
 Effective Date Nov 20 2007
 As of Nov 21 2007 03:30

R/D	Location & DRN	Schd Qty [GJ]
R	Bayhurst 1 111537	130,000
R	Bayhurst 2 34193	50,100
R	Cornwall 34157	0
R	Emerson 1 34002	1,518
R	Emerson 2 34003	63,142
R	Empress 33667	4,801,267
R	Enbridge CDA 34090	0
R	Enbridge EDA 34132	0
R	Herbert 34199	84,058
R	Iroquois 67708	73,941
R	Kirkwall 34111	980,605
R	Liebenthal 34195	5,000
R	Niagara Falls 34537	0
R	Richmound 18585	1,518
R	SS. Marie 34162	86,508
R	Shackleton 50769	1,012
R	St. Clair 11779	1,633,379
R	Steelman 111541	0
R	Success 111533	53,135
R	Suffield 2 34197	368,456
R	Union CDA 34109	0
R	Union Dawn 88515	1,266,926
R	Union EDA 34142	300
R	Union Parkway Belt 34107	883,996
R	Union SWDA 107328	0
R	Welwyn 107302	16,943
D	Bayhurst 1 111537	0
D	Centram MDA 33985	284,095
D	Centram SSDA 34217	5,467
D	Centrat MDA 34006	24,227
D	Chippawa 123847	190,334



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Tariff



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Mainline Reporting

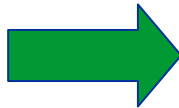


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Mainline System - Flowing Gas	
Custody Transfer Summary	Summary of Custody Transfer account activity for all locations more info
Daily Account Location Summary	Summary of account activity for all locations more info
Transportation Nominations	Transportation nominations more info
Custody Transfer Summary	Summary of Custody Transfer account activity at a location more info
Daily Account Location Summary	Summary of account activity at a specific location more info
Daily Transportation Nominations	Daily Transportation account more info
Interconnection Deliveries	Interconnection Deliveries at a location more info
Operator Deliveries	Operator Deliveries more info
Variance	Variance more info

Connect to services.tcpl.ca



External [11:05:49:9374]

User name:

Password:

Remember my password

OK Cancel

Mainline Reporting



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Custody Transfer Summary Report

Please enter the parameters below and click 'Run Report'

Gas Day (yyyymmdd) :

Account :

Mainline Reporting



Report created: 2007/11/22 12:56

By: ARI_SUPT / caosrptpro

TransCanada
Custody Transfer Summary Report

Gas Day: 20071121 Gas Day Window: End of Gas Day
Requestor: EAGER BEAVER CORP. Unit of Measure: GJ

Location	Receipt	Account	External	Nominated	Confirmed	Variance	Status	Account
Location	Delivery	Name	Reference	Quantity	Quantity			Owner

Emerson 1 VIKING GAS TRANSMISSION	Delivery	EGBC	EGBC	5,000	5,000	0	Confirmed	EAGER BEAVER CORP.
		Details						
Emerson 2 GREAT LAKES GAS TRANS.	Delivery	EGBC	EGBC	5,000	5,000	0	Confirmed	EAGER BEAVER CORP.
		Details						
Empress NOVA GAS TRANSMISSION	Receipt	EGBC	EGBC	20,000	20,000	0	Confirmed	EAGER BEAVER CORP.
		Details						
Niagara Falls TENNESSEE GAS PIPELINE	Delivery	EGBC	EGBC	10,000	10,000	0	Confirmed	EAGER BEAVER CORP.
		Details						
St. Clair GREAT LAKES GAS TRANS.	Receipt	EGBC	EGBC	2,000	2,000	0	Confirmed	EAGER BEAVER CORP.
		Details						
Union SWDA UNION GAS LIMITED	Delivery	EGBC	EGBC	10,000	10,000	0	Confirmed	EAGER BEAVER CORP.
		Details						



Mainline Reporting



Report created: 2007/11/22 11:40

By:

TransCanada
Custody Transfer Detail Report

Gas Day:	20071121	Gas Day Window:	End of Gas Day
Requestor:	EAGER BEAVER CORP.	Unit of Measure:	GJ
Account Name:	EGBC	Account Owner:	EAGER BEAVER CORP.
Location:	Union SWDA	External Ref:	EGBC

Account Owner	<u>Account Name</u>	Transaction	Nominated Quantity	<u>Confirmed Quantity</u>	Variance	Status
 Receipts -----						
Total Receipts			0	<u>0</u>	<u>0</u>	Confirmed
 Deliveries -----						
EAGER BEAVER CORP.	EGBC	Delivery Confirm		10,000		
EAGER BEAVER CORP.	EGBC MTT	Hub Delivery	10,000			Accepted
Total Deliveries			10,000	<u>10,000</u>	0	Confirmed
 Net Deliveries			----- 10,000	----- <u>10,000</u>	----- 0	Confirmed

Mainline Reporting

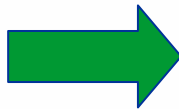


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◆ Transportation Summary	Summary of the Transportation nominations more info
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◆ Interconnect Custody Transfer	Summary of receipts and deliveries at a location more info
◆ Operator Balance	Operator Balance Report more info
◆ Variance Account Summary	Summary of shipper imbalances more info

Mainline Reporting



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Daily Account Location Summary Report

Please enter the parameters below and click 'Run Report'

Gas Day (yyyymmdd) :

Account :
EGBV
EGBV CV
EGBV MTT
EGBV PAL

Business Right :
Confirmation Var
Custody Transfer
Multi Title Transfer
Park and Loan

Run Report

Reset Form

Mainline Reporting



Report created: 2007/11/22 11:57

By: ARI_SUPT / caosrptprod01

TransCanada
Daily Account Location Summary Report

Gas Day: 20071121
Enterprise: EAGER BEAVER CORP.

Gas Day Window: End of gas day
Account Type: Multi Title Transfer
Unit of Measure: GJ

**** Note: Account Balances are approximates only. ****

Location	Account Name	Opening Balance	Transfers In	Transfers Out	Variance	Closing Balance	Status	Account Owner

Emerson 1 VIKING GAS TRANSMISSION	EGBC MTT	30	8,183	8,193	-10	20	Pack	EAGER BEAVER CORP.
	Details							
Emerson 2 GREAT LAKES GAS TRANS.	EGBC MTT	0	41,125	41,125	0	0		EAGER BEAVER CORP.
	Details							
Empress NOVA GAS TRANSMISSION	EGBC MTT		80,000	80,000	0	0		EAGER BEAVER CORP.
	Details							
Niagara Falls TENNESSEE GAS PIPELINE	EGBC MTT	-25	10,105	10,110	-5	-30	Draft	EAGER BEAVER CORP.
	Details							



Mainline Reporting



Report created: 2007/11/22 11:57

TransCanada
Daily Account Location Detail Report

Selection Criteria:

Date: 2007/11/21
Account: EGBC MTT
Location: Empress

Business Right: ALL
Summarize-By: Location-Account
Format: Daily-Total
Unit of Measure: GJ

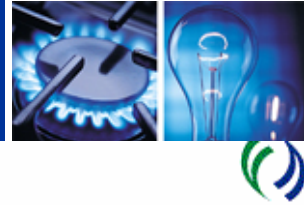
Date: 2007/11/21 09:00

Account Owner: EAGER BEAVER CORP.
Account: EGBC MTT
Location: Empress

**** Note: Account Balances are approximates only. ****

Operator	Account	Account Owner	Type	Quantity	Status
Opening Balance				0	
NOVA GAS TRANSMISSION	EGBC	EAGER BEAVER CORP.	Hub Receipt	20,000	Accepted
NOVA GAS TRANSMISSION	NGX MTT	NATURAL GAS EXCHANGE INC.	Multi Title	40,000	Accepted
NOVA GAS TRANSMISSION	ABCD	ABCD ENERGY LTD	Hub Receipt	20,000	Accepted
Total Customer Receipts				80,000	
NOVA GAS TRANSMISSION	XYZ MTT	XYZ CANADA LTD.	Multi Title	20,000	Accepted
NOVA GAS TRANSMISSION	12345	EAGER BEAVER CORP.	Receipt	10,000	Accepted
NOVA GAS TRANSMISSION	67890	EAGER BEAVER CORP.	Receipt	20,000	Accepted
NOVA GAS TRANSMISSION	11111	CANADA GAS CO.	Receipt	30,000	Accepted
Total Customer Deliveries				80,000	
Net Customer Total				0	
Closing Balance				0	Zero

Mainline Reporting



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◆ Custody Transfer Detail	Detail of Custody Transfer account activity at a location more info
◆ Daily Account Location Detail	Detailed transactions for an account at a specific location more info
◆ Daily Transportation Account Detail	Detailed transactions for a Transportation account more info
◆ Interconnect Custody Transfer	Summary of receipts and deliveries at a location more info
◆ Operator Balance	Operator Balance Report more info
◆ Variance Account Summary	Summary of shipper imbalances more info

Mainline Reporting



Report Created: 2007/11/22 12:22

By: ARI_SUPT / caosrptprod01

TransCanada
Transportation Summary Report

Gas Day: 20071121

Requestor: EAGER BEAVER CORP.
Gas Day Window: End of Gas Day
Unit of Measure:GJ

Account Name	Receipt Location	Delivery Location	Service	Bid Price	Nominated Quantity	Authorized Quantity	Variance	Status	Primary Delivery Location	GST exempt	Account Owner
12345 CORP.	St. Clair	Union SWDA	FT	0.0000	2,000	2,000	0	Fully Auth		N	EAGER BEAVER
Details											
12345 CORP.	Welwyn	Emerson 1	IT	0.1840	12,000	12,000	0	Fully Auth		N	EAGER BEAVER
Details											
12345 CORP.	Welwyn	Emerson 2	IT	0.1840	5,000	5,000	0	Fully Auth		N	EAGER BEAVER
Details											
25458 CORP.	Empress	Union SWDA	FT D	0.0000	10,000	8,000	0	Not Fully Auth		N	EAGER BEAVER
Details											



Mainline Reporting



TransCanada Daily Transportation Account Detail Report

Selection Criteria

Start Gas Day: 2007/11/01 Account: 12345
 Location: ALL
 Report Format: Daily-Total
 Unit of Measure: GJ

Transportation Nominations

Account Owner	Acct	Receipt Point	Delivery Point	Primary Delivery Point	Type	Price	GST	Accepted Quantity	Authorized Quantity	Variance	Status
EAGER BEAVER CORP.	12345	Empress	Union SWDA	Iroquois	FT D	0.0000	N	10,000	8,000	0	Not Fully Auth
TOTAL								10,000	8,000	0	

Account Transfer Nominations

Operator	Location	Account	Account Owner	Type	Quantity	Status
NOVA GAS TRANSMISSION	Empress	EGBC MTT	EAGER BEAVER CORP.	Receipt	10,400	Accepted
Total Customer Receipts					10,400	
NOVA GAS TRANSMISSION	Empress	12345 FUEL	EAGER BEAVER CORP.	Nominated F	400	Accepted
UNION GAS LIMITED	Union SWDA	EGBC MTT	EAGER BEAVER CORP.	Delivery	10,000	Accepted
Total Customer Deliveries					10,400	
Account Variance					0	

Mainline Reporting



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Flowing Gas	
◆ Interconnect Custody Transfer Confirmation Variance	Summary of receipts and deliveries at a location more info
◆ Variance Account Summary	Summary of shipper imbalances more info
◆ Minimum IT Bid Rates	Minimum IT Bid Rates Report more info
◆ VEC	Volume/Energy/Composition Report more info
◆ Hourly VEC	Volume/Energy/Composition Report more info

Mainline Reporting



Notice Type :	IT Bid Rate
Effective Date:	Nov 21 2007 11:43AM
Subject :	Minimum Authorized IT Bid Rate, Gas Day : Thursday November 22, 2007 Timely Window

Minimum Authorized IT Bid Rate

Gas Day November 22, 2007, Timely Window

All prices in CDN\$/GJ

This report reflects **ALL** paths where IT was nominated for this window.

A rate of 0.0000 means **no IT has been authorized** for that path and shows in **Red**.

A **Green** line means the minimum allowable bid rate was authorized for that path.

Rates above the minimum allowable bid rate show in **Yellow**.

Receipt Point	Delivery Point	Minimum Authorized Bid Rate
Bayhurst 1	Emerson 1	0.3896
Bayhurst 1	Emerson 2	0.3896
Bayhurst 1	Welwyn	0.1992
Bayhurst 2	Emerson 2	0.3896
Bayhurst 2	Welwyn	0.1992
Chippawa	Niagara Falls	0.0521
Empress	Centram MDA	0.3558
Empress	Centram SSDA	0.2100
Empress	Emerson 1	0.4003
Empress	Emerson 2	0.4003



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BC System

Current System at: Nov 20, 2007 11:30:02 MST				
Parameter	Value - SI	Units - SI	Value - Imp.	Units - Imp.
Alberta Linepack Current	389122	e3m3	13811	MMCF
Alberta Linepack 4Hour ROC	-26644	e3m3	-946	MMCF
Alberta - Field Receipts	284243	e3m3/d	10089	MMCF/d
Alberta - Intra-Delivery Flow w/o Storage	66938	e3m3/d	2376	MMCF/d
Alberta - Flow Differential (Receipts - Deliveries)	-14888	e3m3/d	-528	MMCF/d
Alberta - Instantaneous Delivery Flow	303351	e3m3/d	10767	MMCF/d
Alberta - Receipt Flow	288742	e3m3/d	10249	MMCF/d
Alberta - Net Storage Flow (Receipts - Deliveries)	781	e3m3/d	28	MMCF/d
Empress Border - Flow	125853	e3m3/d	4467	MMCF/d
McNeil Border - Flow	40945	e3m3/d	1453	MMCF/d
Alberta / BC Border - Flow	65074	e3m3/d	2310	MMCF/d
Gordondale Border - Delivery Flow	0	e3m3/d	0	MMCF/d
Gordondale Border - Receipt Flow	0	e3m3/d	0	MMCF/d





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Gas Day Summary Report - Alberta



PROD Daily Operating Summary (MMSCF) 2007-11-20 09:12:54.7
 For 20071119 as of 2007-11-20 09:12

	Prorated NOM	Extrapolated VOL	08:00 NOM
** VOLUME SUMMARY **			
Empress Border	4938	4839	4521
McNeill Border	1400	1425	1442
Alberta BC Border	2068	2030	2434
Gordondale Border	0	0	0
**Other Borders	32	38	33
**Total Export	8438	8332	8430
Intraprovincial	2579	2534	2223
**Total Storage + Intraprov	2825	2781	2252
**Total Net Storage	111	111	-706
**Total Storage Deliveries	246	247	29
**Total Storage Receipts	-135	-136	-735
**Total NGTL Deliveries	11263	11113	10682
**Total NGTL Receipts	18095	10732	0
**NGTL Field Receipts		10596	
**Linepack at 8:15		13963	
**Linepack Rate of Change		-400	
**Linepack Change (Last 24 hours)		-341	
**Linepack Target		13842.6	
**Tolerance		4 / - 4	% or TJs
**Tolerance Last Changed		2007-10-26	at 8:00
**End Day Proj Linepack		13963	
**Total T Account (TJ)		198.1	
**Total Z Account (TJ)		-57.7	



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Select a pipeline to display a list of menu options

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NrG's Electronic Delivery Mechanism site.
[NrG Junction](#)

UPDATE

NrG Highway Upgrade to Java 1.5

TransCanada has deployed a new version of the software as of June 5th, 2007.

Accessing the Highway requires Java 1.5. We are currently contacting shippers who are not on Java 1.5 or greater to upgrade. In the event you are not upgrading, please contact the Help Centre (403-920-7473 or 1-877-920-7473).

Need Help?
Ask the Pipe Line



TransCanada PipeLines Limited
450 - 1st Street SW - Calgary - AB T2P 5H1
The Call Centre: 1.877.920.PIPE (7473) or 403.920.PIPE (7473)



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Notices



TransCanada Canadian Mainline

All Notices

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Click the link in the **Notice Identifier** field to display details of the selected notice.

Right-click on the link, and select the **Save Link/Target As...** option. Type in a file name with a .htm extension, and click **Save**.

Notice Type	Posted Date/Time	Notice Effective Date/Time	Notice End Date/Time	Notice Identifier	Subject
Other	Nov 20, 2007 11:20	Nov 20, 2007 09:00	Dec 20, 2007 09:00	204852101-0	REMINDER TCPL ML Sales & Service Update Meetings
Other	Nov 20, 2007 10:41	Nov 20, 2007 09:00	Dec 20, 2007 09:00	204846201-0	GLGT Firm Release Intraday - 100,000 Dth/d
Other	Nov 20, 2007 10:41	Nov 20, 2007 09:00	Dec 20, 2007 09:00	204846101-0	GLGT Release: Recallable Next Day 100,000 Dth/d
Other	Nov 19, 2007 10:41	Nov 19, 2007 09:00	Dec 19, 2007 09:00	204789101-0	GLGT Firm Release Intraday - 100,000 Dth/d
Other	Nov 19, 2007 10:41	Nov 19, 2007 09:00	Dec 19, 2007 09:00	204789201-0	GLGT Release: Recallable Next Day 100,000 Dth/d
Maintenance	Nov 16, 2007 16:00	Nov 17, 2007 08:00	Nov 23, 2007 17:00	204723301-0	TransCanada Planned Maint. - Nov. 17 - Nov. 23
Other	Nov 16, 2007 11:11	Nov 16, 2007 09:00	Dec 16, 2007 09:00	204702801-0	GLGT Capacity Releases:No Additional Releases
Other	Nov 15, 2007 10:11	Nov 15, 2007 09:00	Dec 15, 2007 09:00	204627201-0	GLGT Recallable Rest of Winter Block 200,000 Dth/d
Other	Nov 14, 2007 17:50	Nov 14, 2007 09:00	Dec 14, 2007 09:00	204602701-0	STFT - Winter 2007/08 Update - Nov 14
Other	Nov 14, 2007 10:50	Nov 14, 2007 09:00	Dec 14, 2007 09:00	204562401-0	GLGT Firm Release Intraday - 50,000 Dth/d



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450 - 1st Street SW - Calgary - AB T2P 5H1
The Call Centre: 1.877.920.PIPE (7473) or 403.920.PIPE (7473)

Notice Preferences



Personal Information

Company: NrG Helpdesk
Name: Mr.
Business Phone: **Business Fax:**
Off-site Phone: **Off-site Fax:**
Cellular Phone: **Pager:**
E-mail Address:

Settings by Module

Service Provider:

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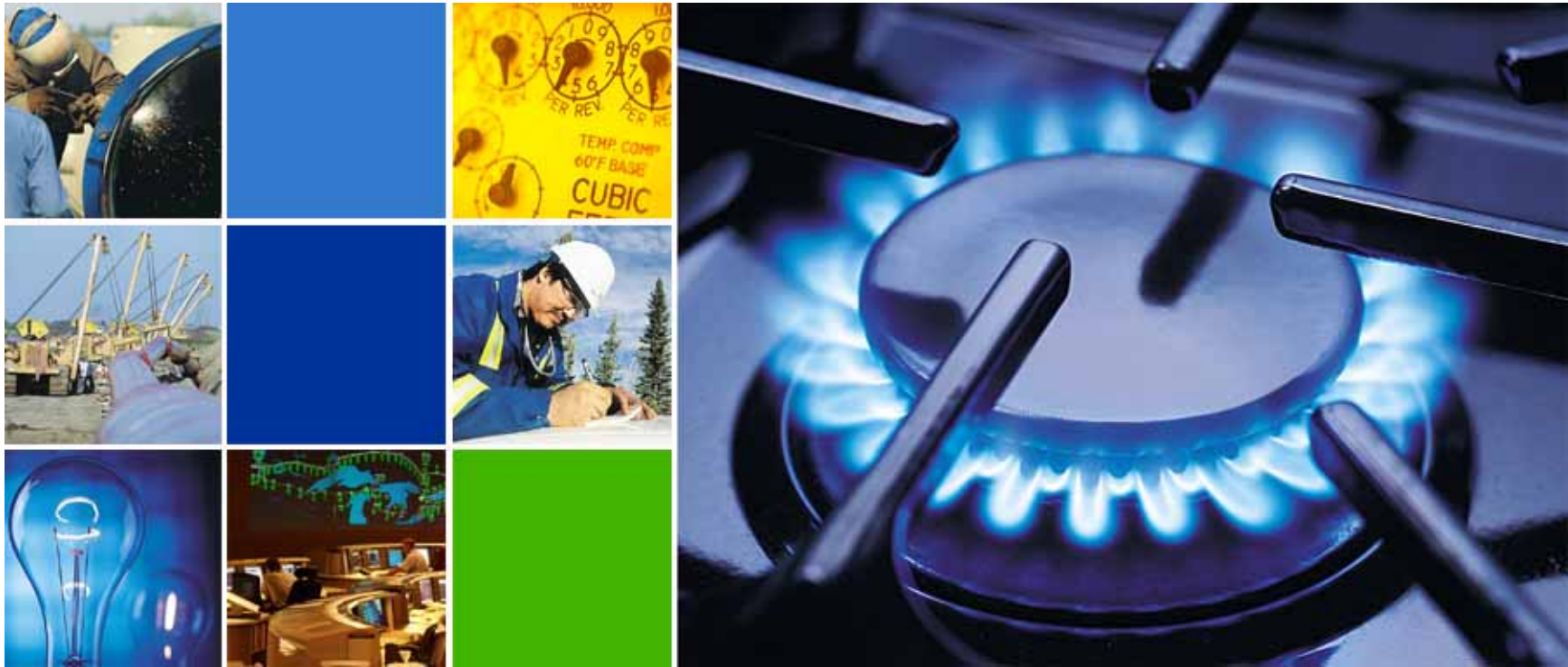
NOTE: Only enter an address or telephone number in the to that displayed in the Personal Information section

Bulletins			
Capacity Constraint	<input checked="" type="checkbox"/>	E-mail	<input type="text"/>
Capacity Discount	<input type="checkbox"/>	E-mail	<input type="text"/>
Curtailment	<input type="checkbox"/>	E-mail	<input type="text"/>
Force Majeure	<input type="checkbox"/>	E-mail	<input type="text"/>
IT Bid Rate	<input checked="" type="checkbox"/>	E-mail	<input type="text"/>
Maintenance	<input type="checkbox"/>	E-mail	<input type="text"/>
Operational Flow Order	<input type="checkbox"/>	E-mail	<input type="text"/>
Other	<input type="checkbox"/>	E-mail	<input type="text"/>
Phone List	<input type="checkbox"/>	E-mail	<input type="text"/>
Press Release or Company News	<input type="checkbox"/>	E-mail	<input type="text"/>
Tolerance Change	<input checked="" type="checkbox"/>	E-mail	<input type="text"/>

Reporting Summary



- Strong Focus on Transactional Systems
- Approximately 10,000 Reports run each day across all TransCanada Pipelines
- Continually Enhancing Reports to help you manage your business on TransCanada



What To Watch For

No Bumping Pipeline



- Firm is only guaranteed on the Timely window (excluding a Force Majeure scenario)
- On subsequent windows (Evening, Intraday 1 & 2 and STS) increases to any transport, including firm, is authorized only if capacity is available
- No “bumping” of previously authorized nominations
- No firm “return home” of diversion requests

Curling's Version of Bumping



Reductions Free Up Space for All



- Reductions to previously authorized nominations free up space for all shippers to access
- The previously authorized space is not held solely for the original shipper to use
- The available space will be allocated to all shippers requesting it based on priority of service at the next nomination window

Changing Nominations During the Day



- Changes to previously authorized nominations results in:
 - A reduction to the original authorized nom
 - Creation of a new nom to reflect the change
- This includes changes to:
 - Receipt points
 - Delivery points / areas
 - Class of Service

IT Penalties



- Nominate, but does not utilize
- Always subject to a penalty, with waiver provisions
 - Refusal on Interconnecting Pipeline
 - Not a restricted point
- No Harm → No Foul
- Penalty still equal to 25%



Imbalance Tolerance



- Rounding differences at export points
- Agreement with shippers
 - 5 Daily
 - 10 Payback
 - 50 Cumulative



Customer Service

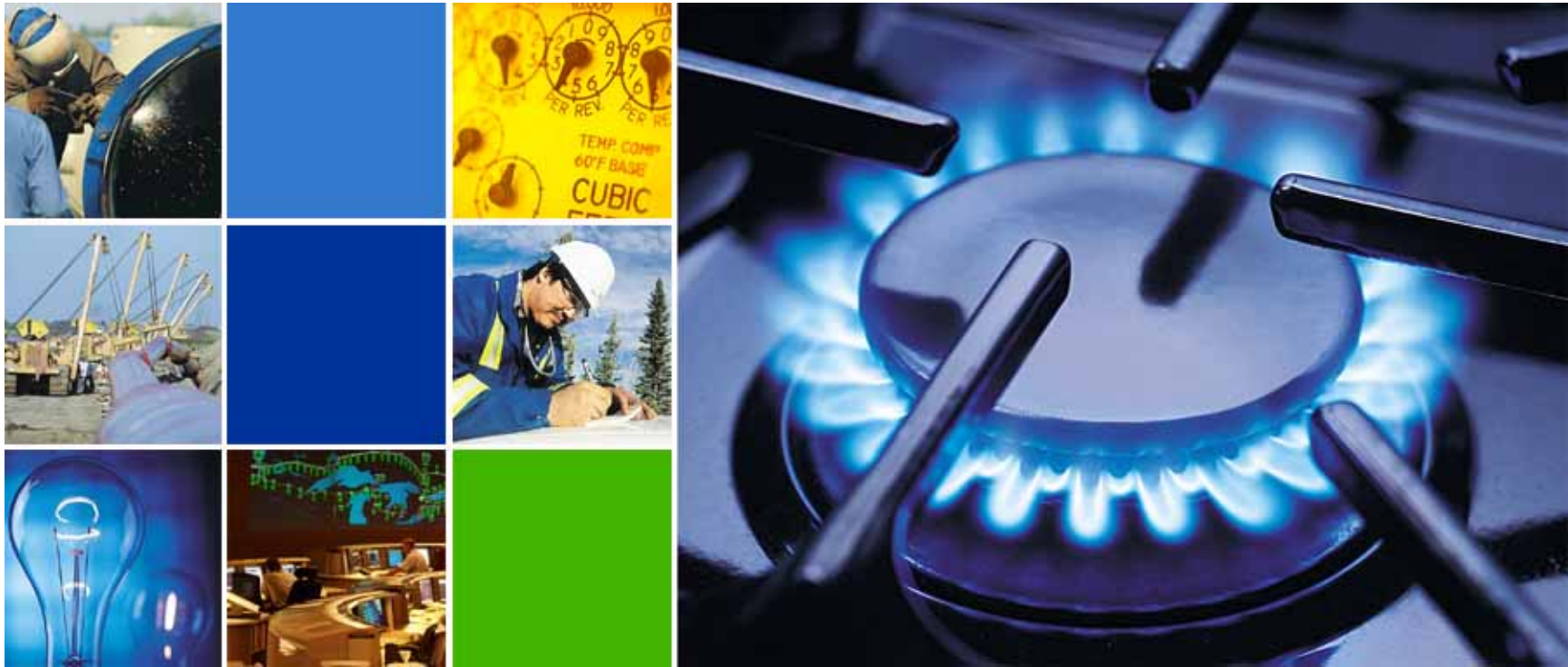


- Ask for Customer Feedback on an Ongoing Basis
- Customer One on One Training Sessions Available
- What Things can TransCanada do Better?



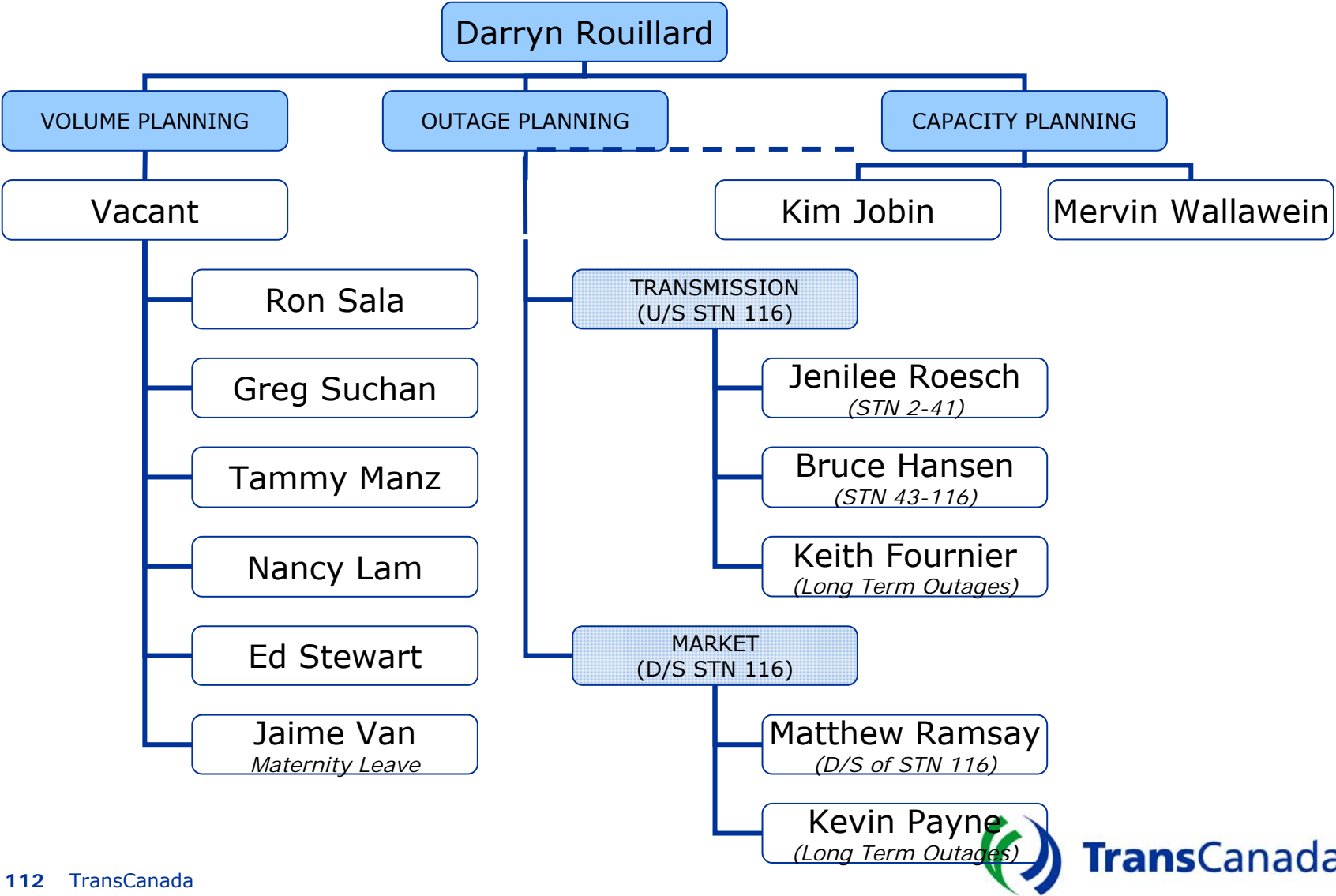
Questions?





Pipeline Operations

Mainline Operations Planning



Process of Daily Capacity Allocation



1) Simulations done to determine capacity

- Includes maintenance, outages, ambients....

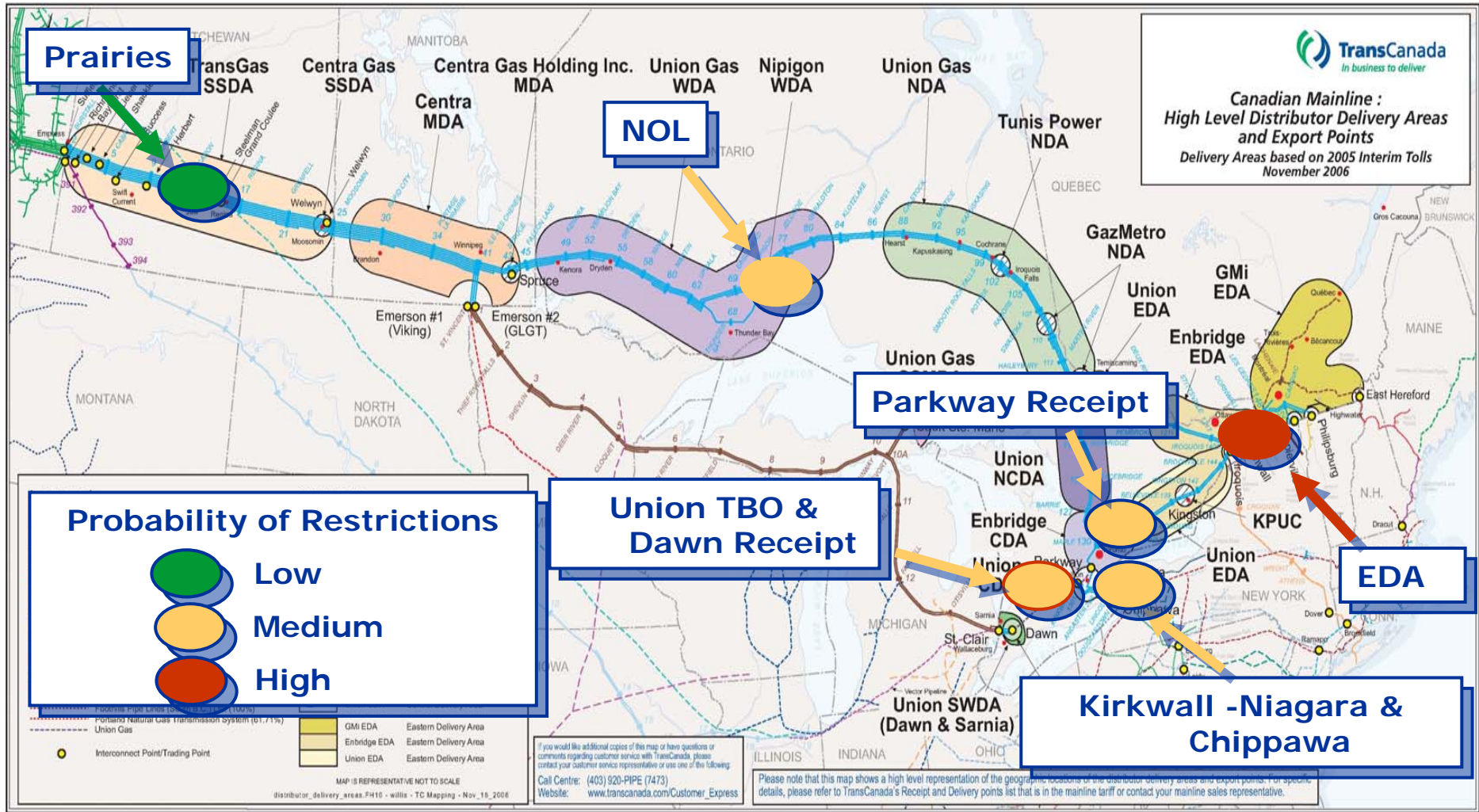
2) Nominations compared to capacity:

- if nominations $<$ capacity \longrightarrow all authorized
- if nominations $>$ capacity \longrightarrow restrictions required

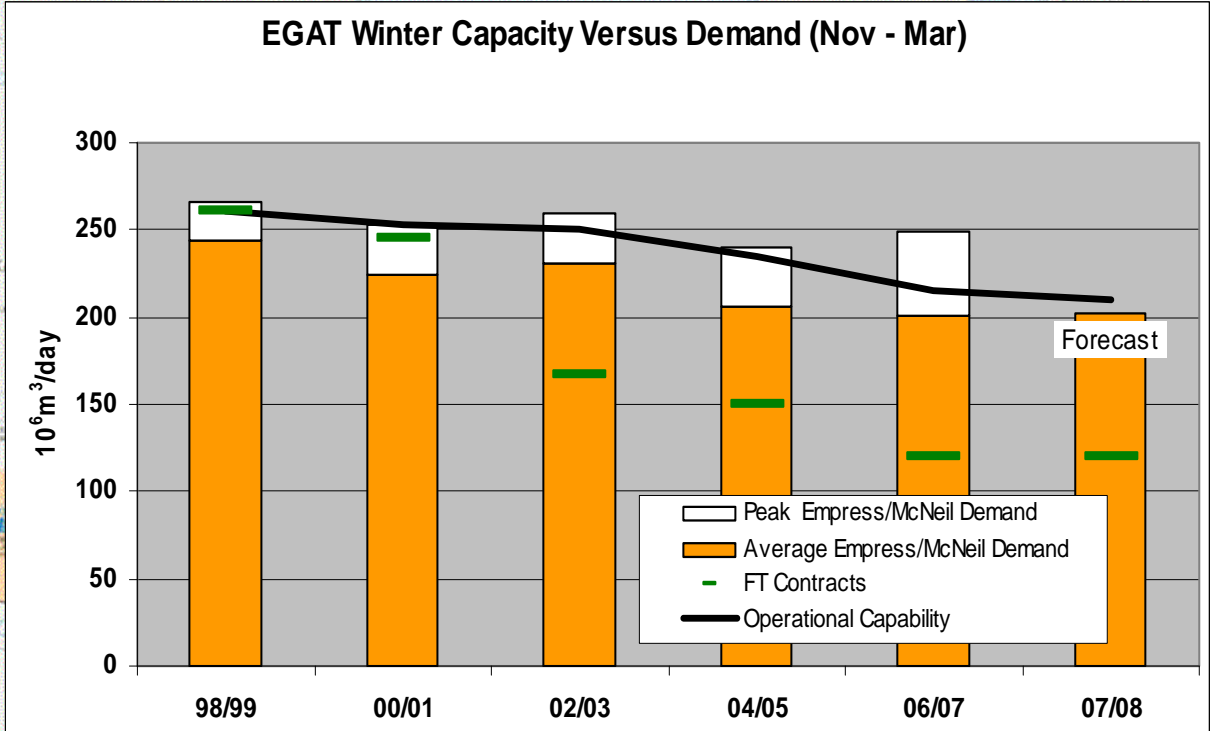
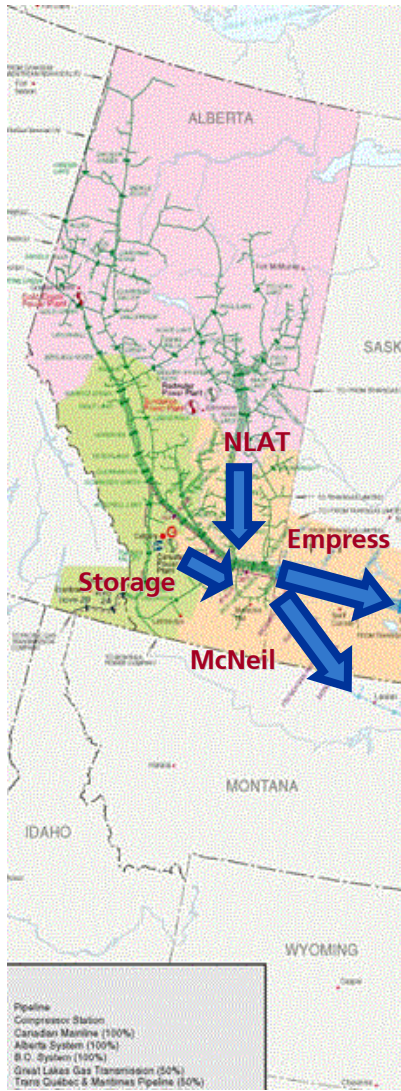
3) Implement restrictions

- As per Tariff priority of service
- Only nominations increasing flow through a bottleneck will face possible restriction
- Can be multiple bottlenecks
- Can be bottleneck at meter station or lateral

Mainline Bottlenecks (Winter)



EGAT Winter Outlook

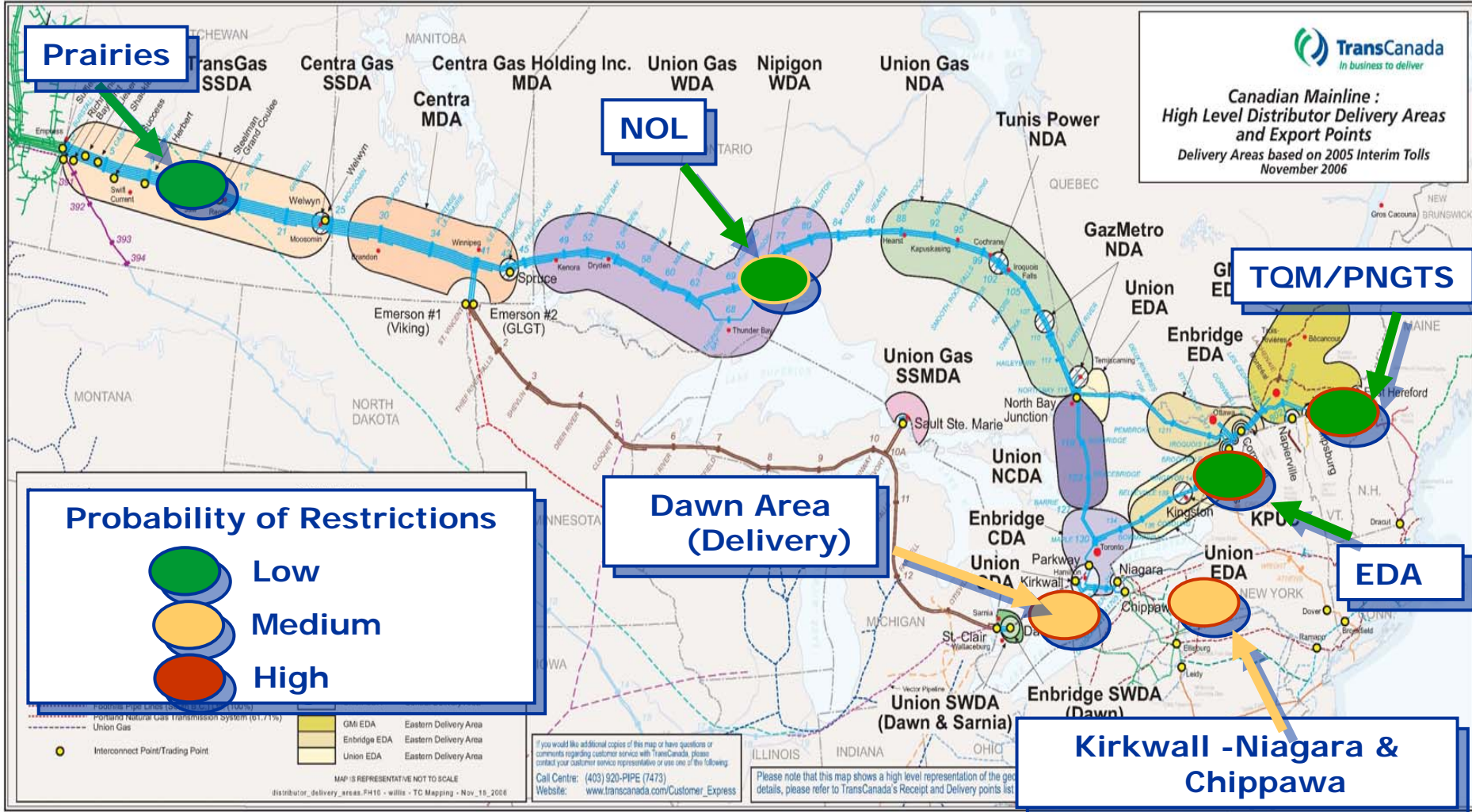


Winter – Key Points

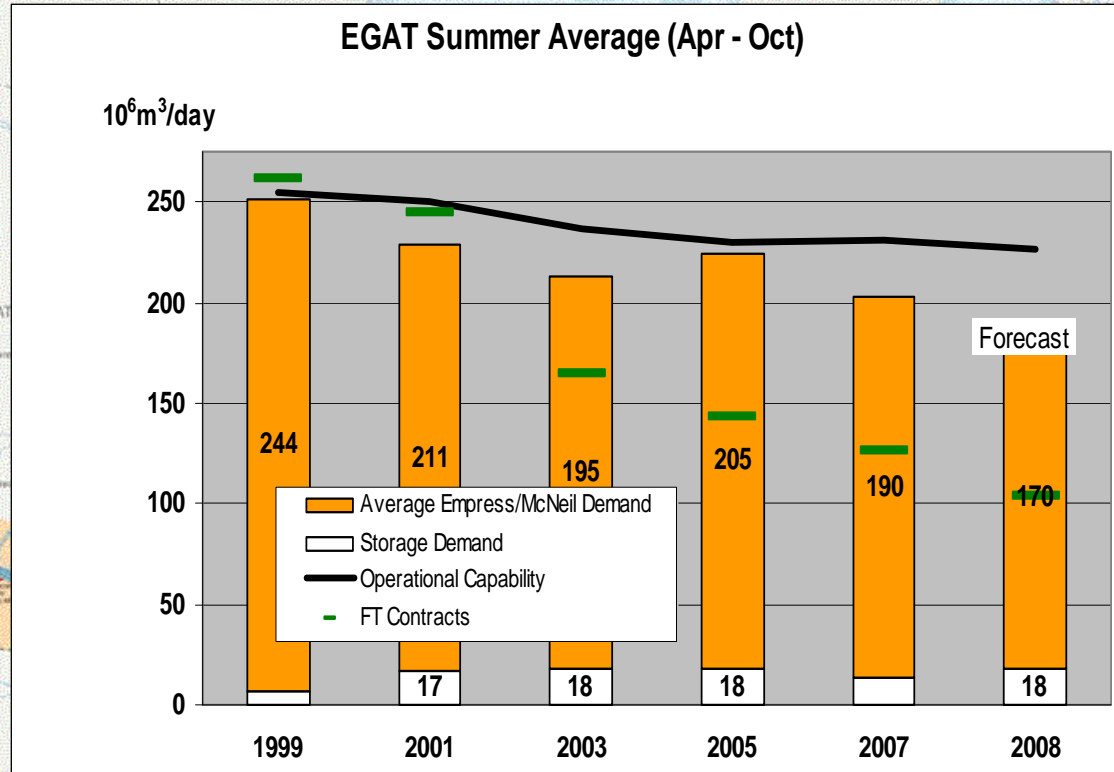
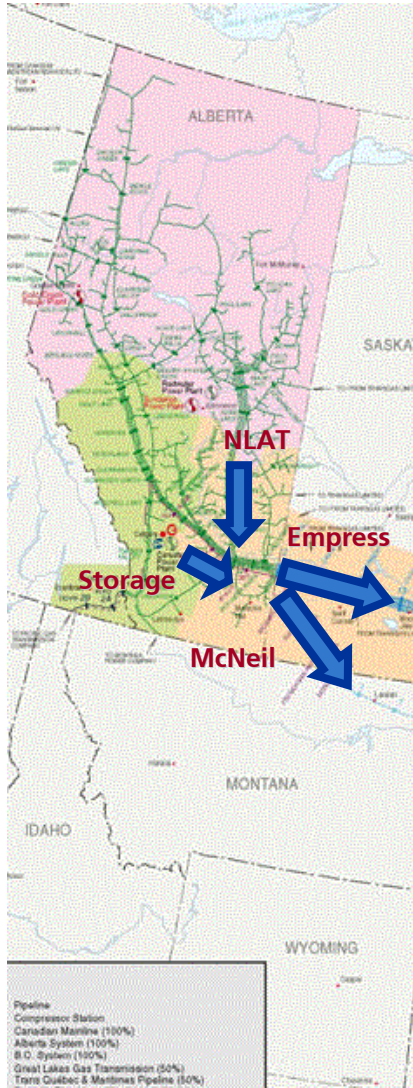


- Parkway Receipts – Fully contracted on Firm basis
Possible restrictions dependant on:
 1. Loss of Critical Unit - Station 130 (Maple)
 2. Level of discretionary quantities nominated away from Parkway
- Fully contracted with Firm to Niagara & Chippawa
- High winter demand
 - Expect restrictions of discretionary services to EDA and export points
- Alberta East Gate
 - Potential restriction of discretionary service if high demand

Mainline Bottlenecks (Summer)



EGAT Summer Outlook



Summer – Key Points



Pipeline Integrity Work

- Barrie & Montreal Line - April to October Hydrostatic Testing & In-line Inspections
- TQM – September (In-line Inspection)

Compression Work

- Iroquois Extension – routine maintenance in summer
- TQM Lachenaie Station – TBD
- Kirkwall Lateral - outages for new unit installation at Station 1703

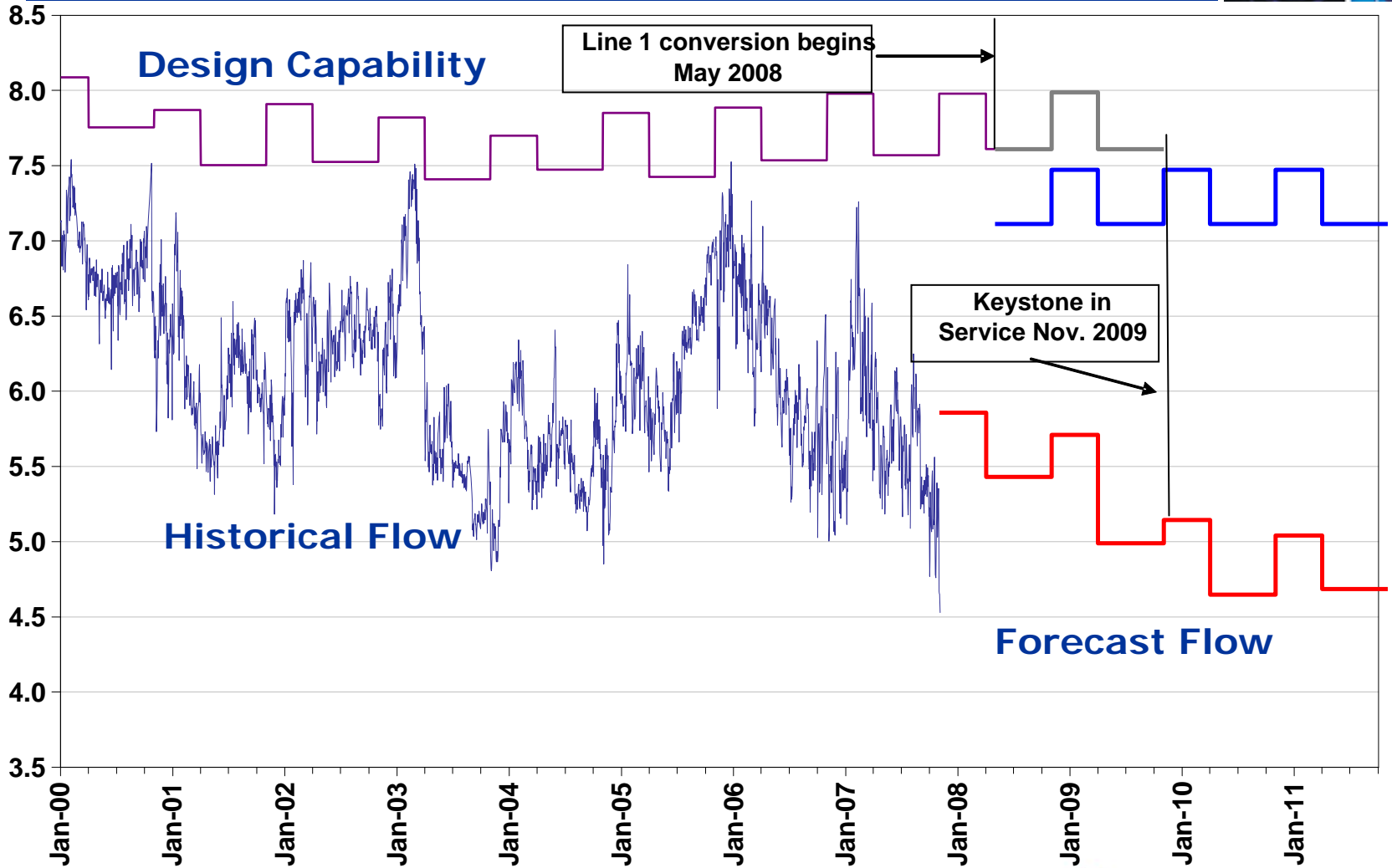
Minimal risk of East Gate Alberta restriction

Keystone – Mainline Conversion



- Line 100-1 from MLV 2 to MLV 37 to be isolated from natural gas lines
- Outages of Line 100-1 and 100-2 required from MLV 2 to MLV 37 to accomplish this
- Outages to occur from May 2008 to December 2008
- Line 100-1 from MLV 2 to MLV 37 to be permanently removed from service by December 2008

Prairies Line Capability versus Flow (Bcfd)



PNGTS – Capacity Outlook

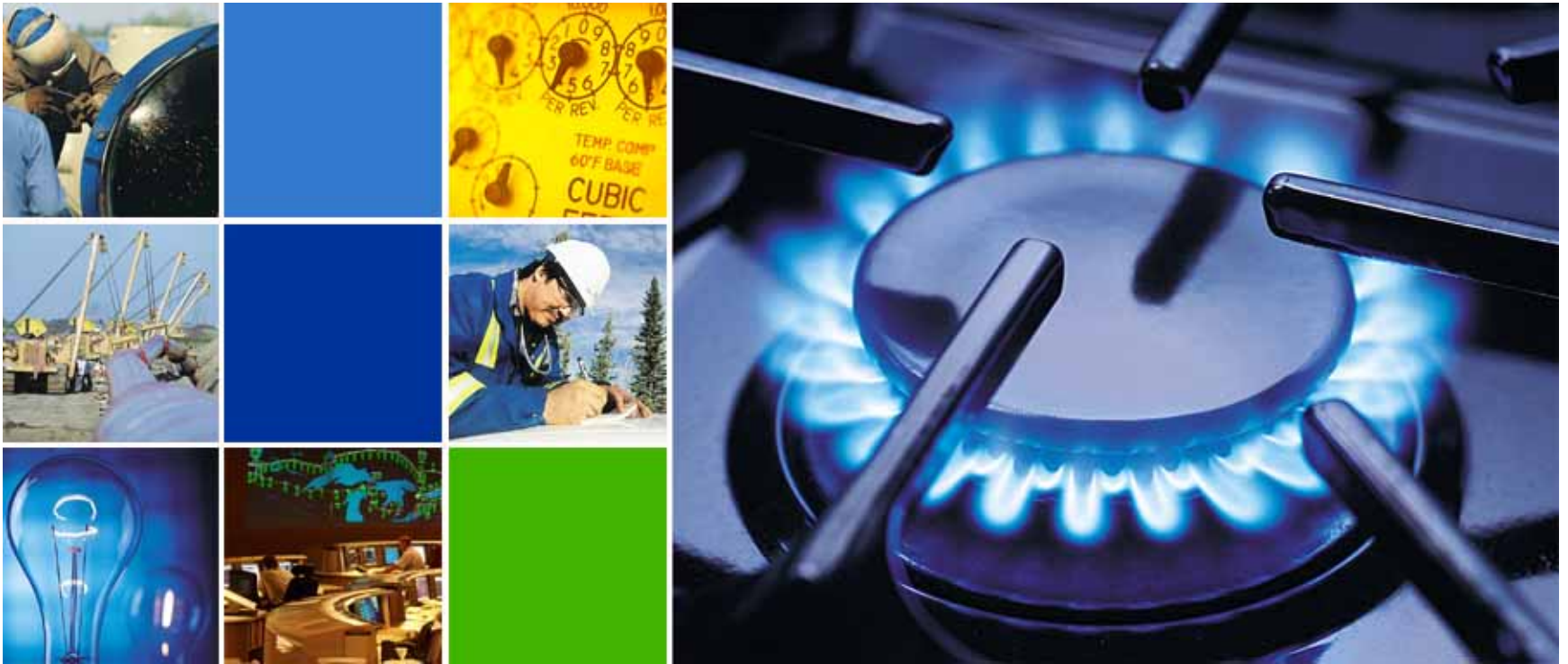


- FIRM Capacity
 - Pittsburgh to Westbrook 168,000 dths starting November 1, 2008
- Discretionary Capacity
 - Pittsburgh to Westbrook up to 250,000 dths per day.
 - Capacity available for discretionary service is dependant on operational conditions.
 - Key considerations in determining Capacity on PNGTS
 - Pressure supplied by TQM/TransCanada
 - Joint facility operating pressure
 - Power plant consumption Rumford/Androscoggin
- PNGTS – Late February (In line Inspection)

Communication with Volume Planning



- Volume Planning bulletin posted each morning on http://www.transcanada.com/Mainline/reports/volume_planners/index.html
 - Includes:
 - Empress scheduled flow
 - Linepack information
 - Simulated system bottleneck
 - Scheduled IT
 - Commentary on discretionary services authorized
 - General comments on system operation
- Future communication improvements TC is considering:
 - Red/yellow/green light concept for reporting available capacity at major segments/locations
- If you have further ideas for communication improvements and/or questions on operational information, please contact:
The Volume Planners at (403) 920 - 5500

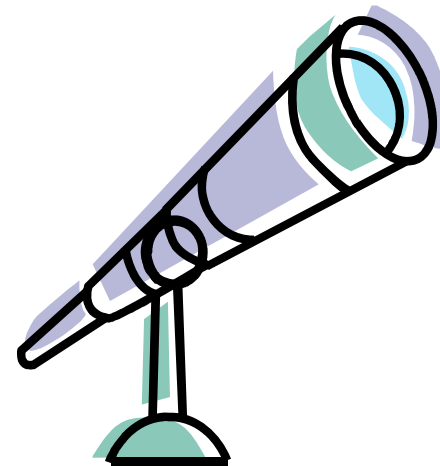


Continuous Improvement

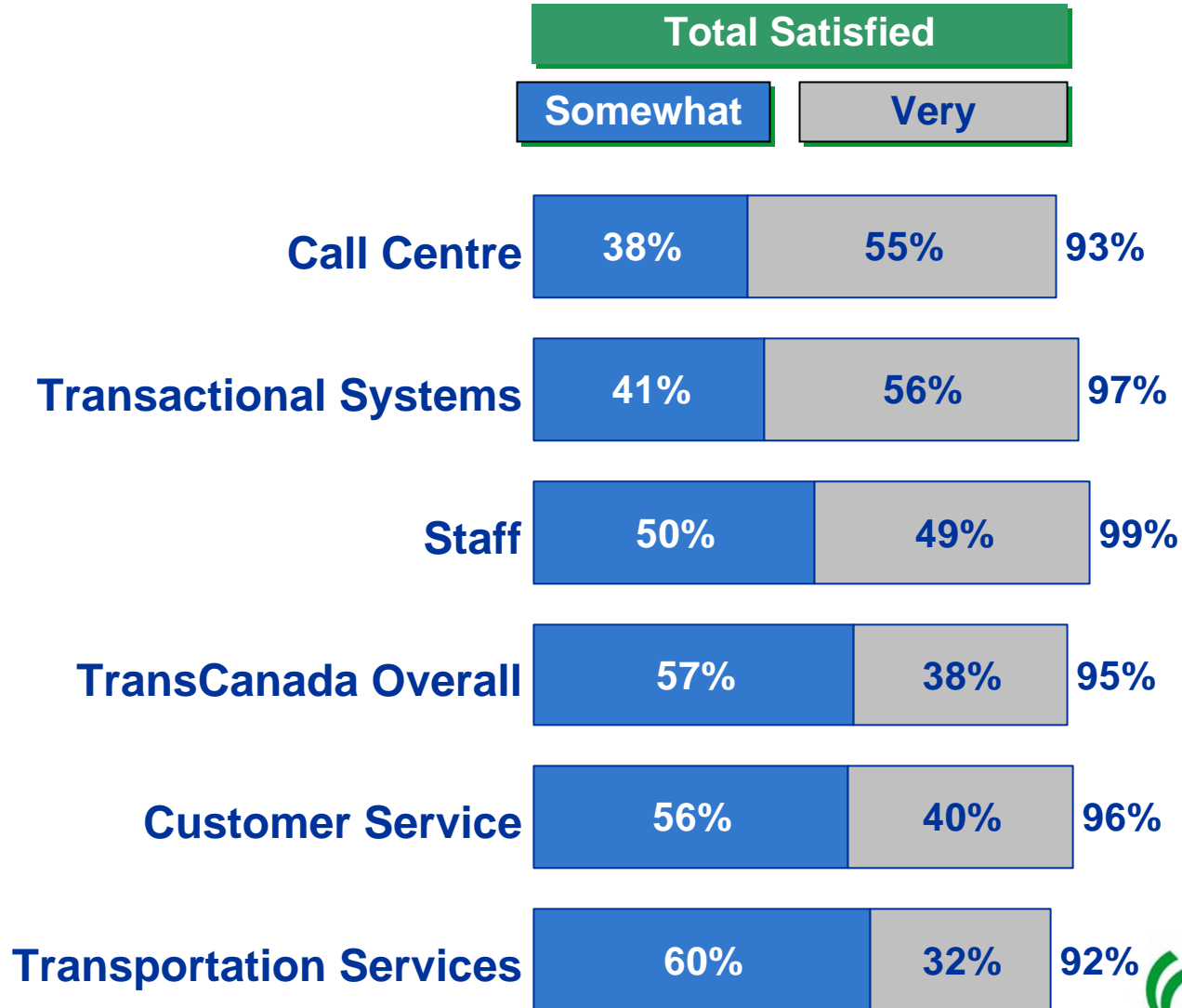
Our Focus



- Customer Satisfaction through
 - Operational Excellence
 - Continuous Improvement
- We survey Customers Annually
- We take the results seriously
 - Objectives
 - Performance



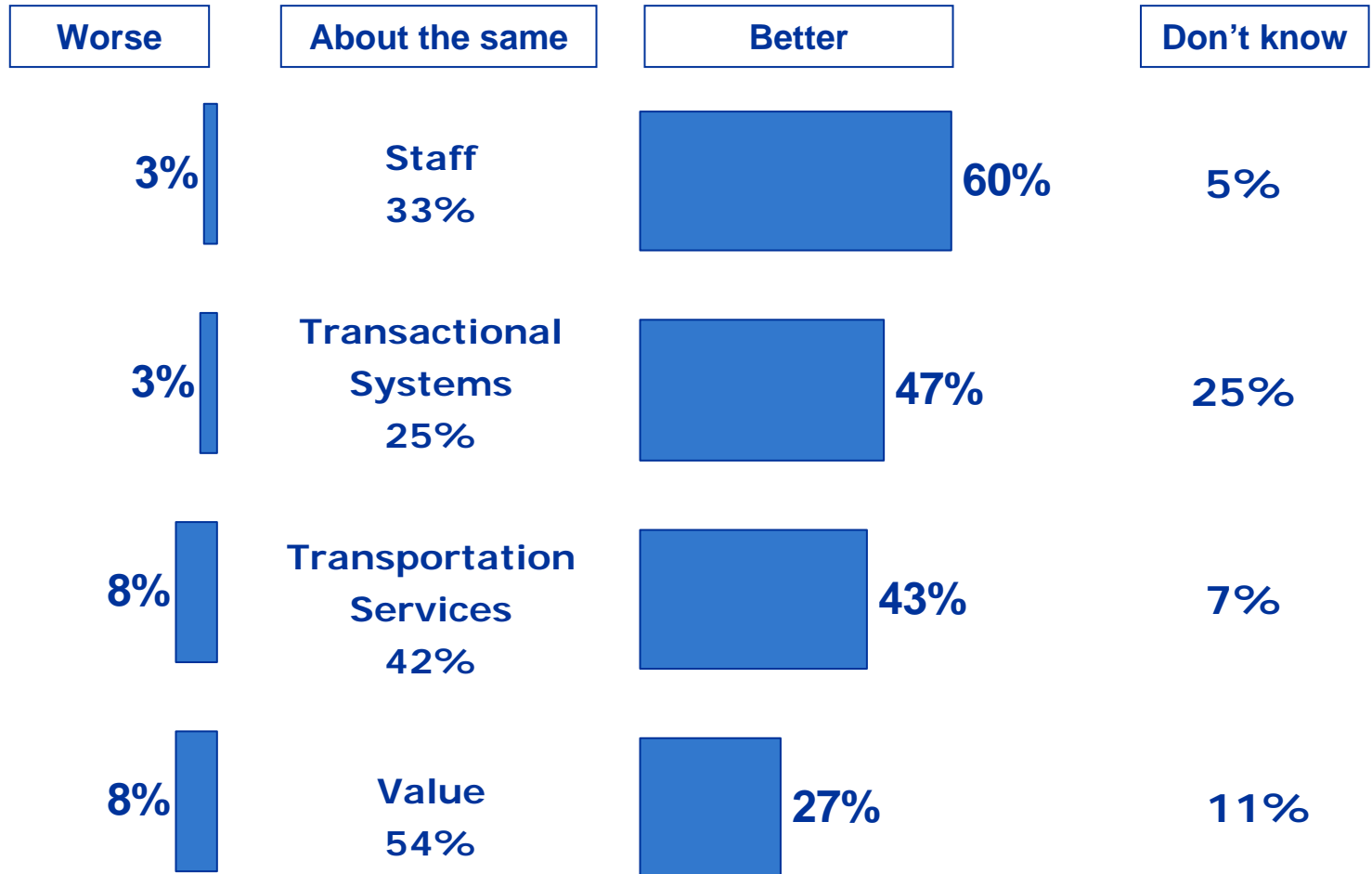
2007 Customer Satisfaction Survey



Comparative Assessment of TransCanada versus Other North American Pipelines



J4. "I'd like to know how you think TransCanada compares to other transportation pipelines in North America. Your answers can be based on anything you have seen, heard, read or personally experienced."



Service Initiatives



- Matched Nomination Transportation (MNT)
 - One contract, 2 legs sharing a common intermediate point (Dawn)
 - Providing access to and from Dawn at a priority higher than discretionary service
- Kirkwall Domestic Delivery Point
 - Providing shippers with contracting options
- Short Notice Power services

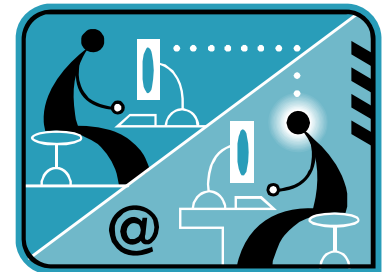
Suggestions/Ideas for new services:

- Talk to your TC Representative

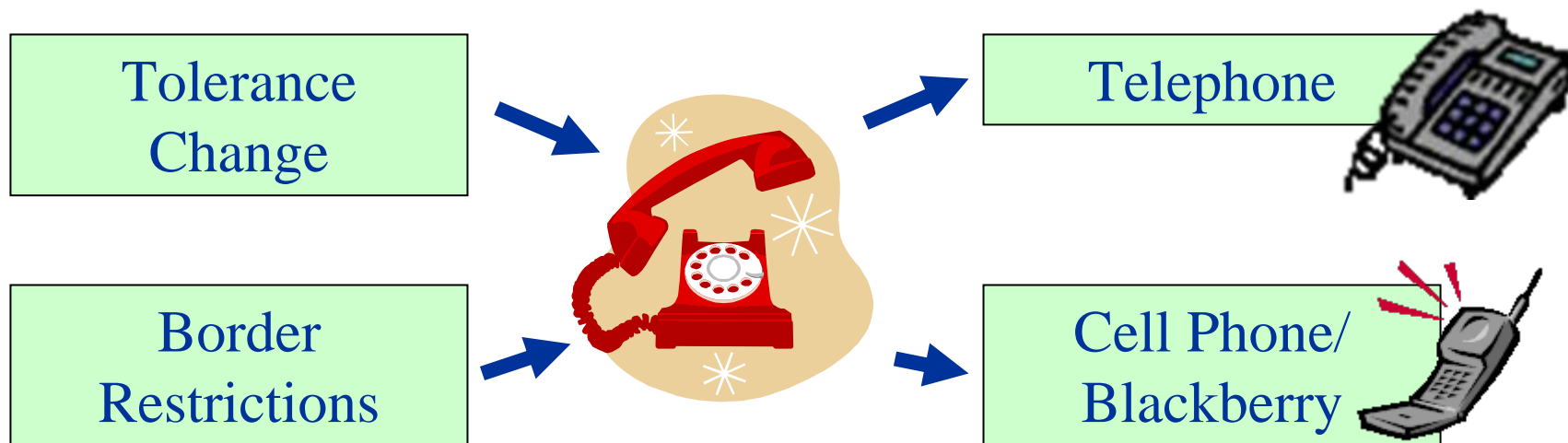
Customer Service Instant Messenger (AOL)



- Immediate View of Available Customer Representatives
- Ability to Converse with Multiple Customers at Once
- Enhanced Communication with TransCanada Front Line
- Fast Response to Customer Inquiries



Phone Out System



- Direct Contact to a Large Number of Customers Simultaneously
- Compliments NrG Notifications Service
- To Sign up for this System at nominations@transcanada.com or Phone 1-877-920-7473

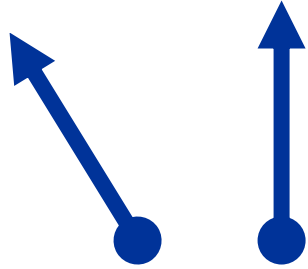
IT Bid Warning Flag



- NrG nomination validation message for bids above the minimum IT Bid Rate
- Direct response to comments from Customers
- Immediate Feedback to prevent costly data entry errors



Pandemic/Business Resumption Planning



Bid Deposit - Modification



Old:

- Shipper must post \$10k with Open Season bid
- Extra cost and admin

New:

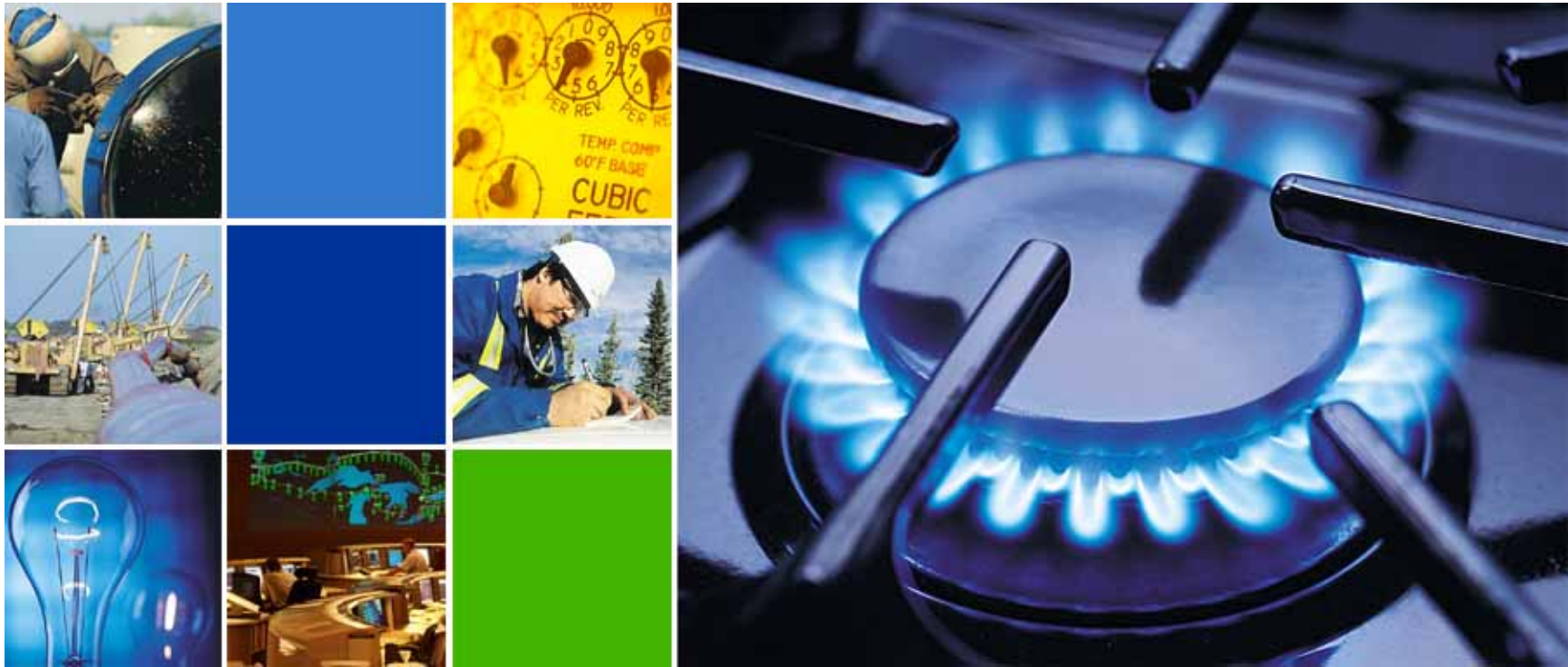
- Deposits not required for existing shippers with credit coverage
- TransCanada will invoice \$10k if capacity is offered but refused
- Effective October, 2007 for Mainline

Additional Initiatives Completed



- ✓ Invoice Backup Report – CSV format
- ✓ Master Temporary Assignment Agreement (ML)
- ✓ Revised EGAT Restriction Procedures
- ✓ Revised Confirmation Process with TGP
- ✓ Negative Flow Rules (PNGTS)
- ✓ Review of Transactional Systems prior to 7:00am





Gas Interchangeability

LNG is Coming...

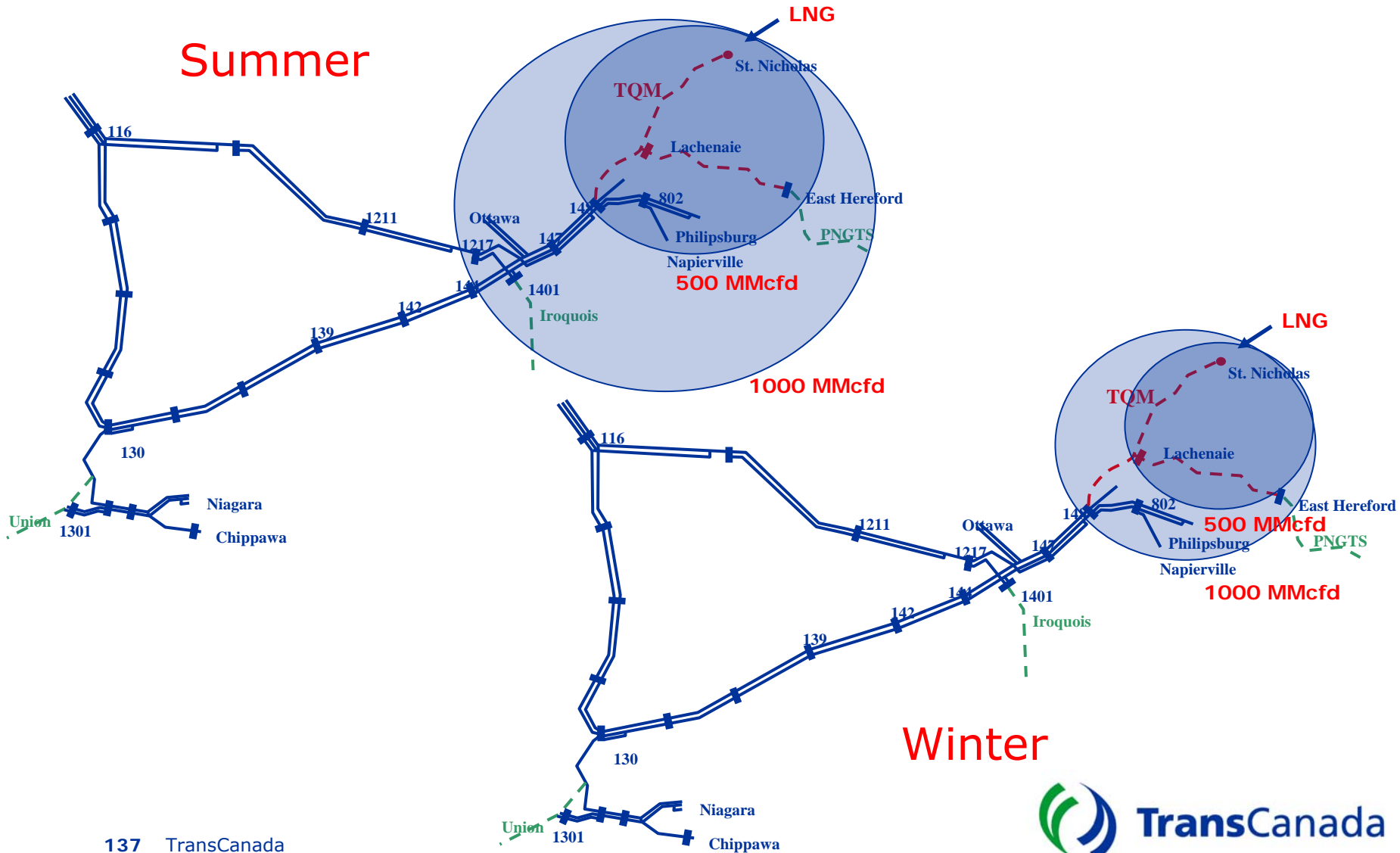


- Expected to enter TransCanada Integrated System in next 5 years
- LNG Composition is different
 - Compared to WCSB
 - LNG supply sources
- Need to ensure that LNG supply is integrated to existing market

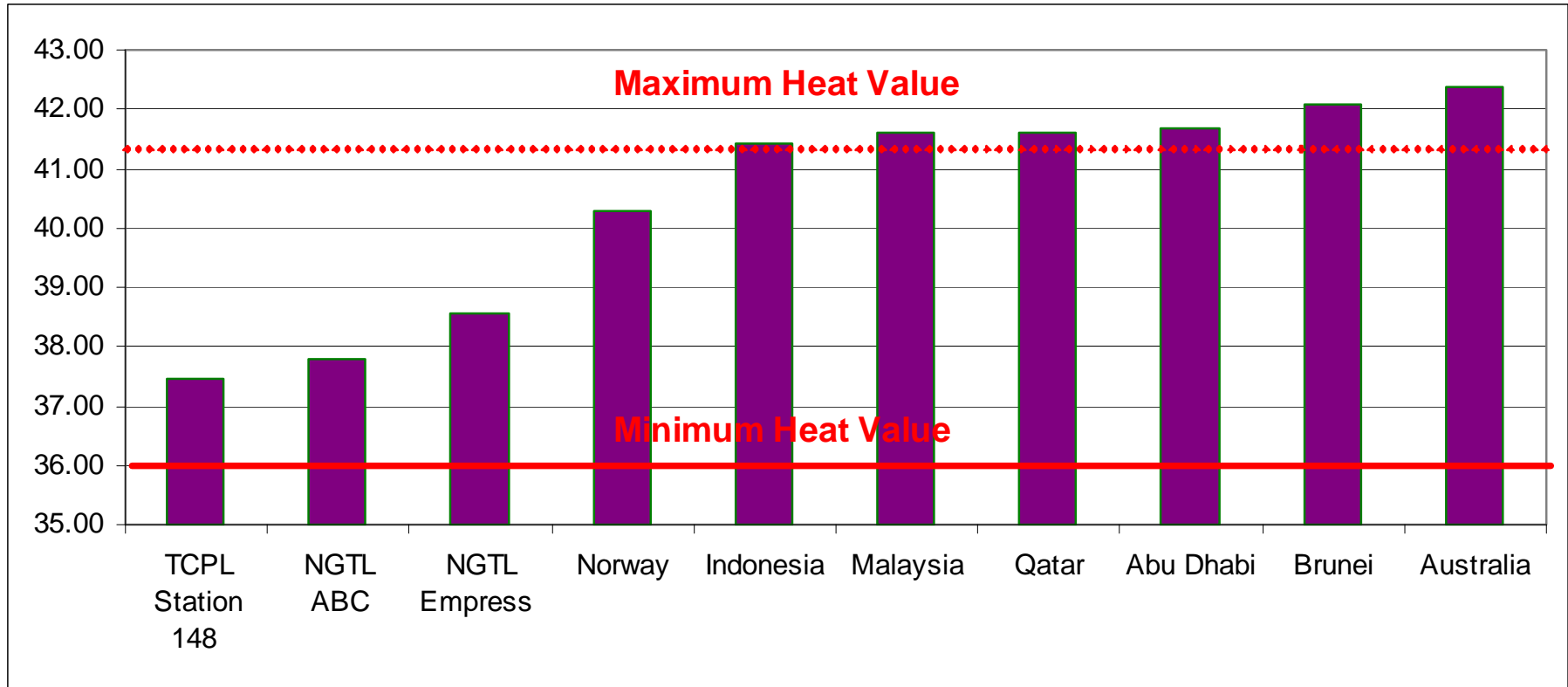
Seasonal Extent of LNG



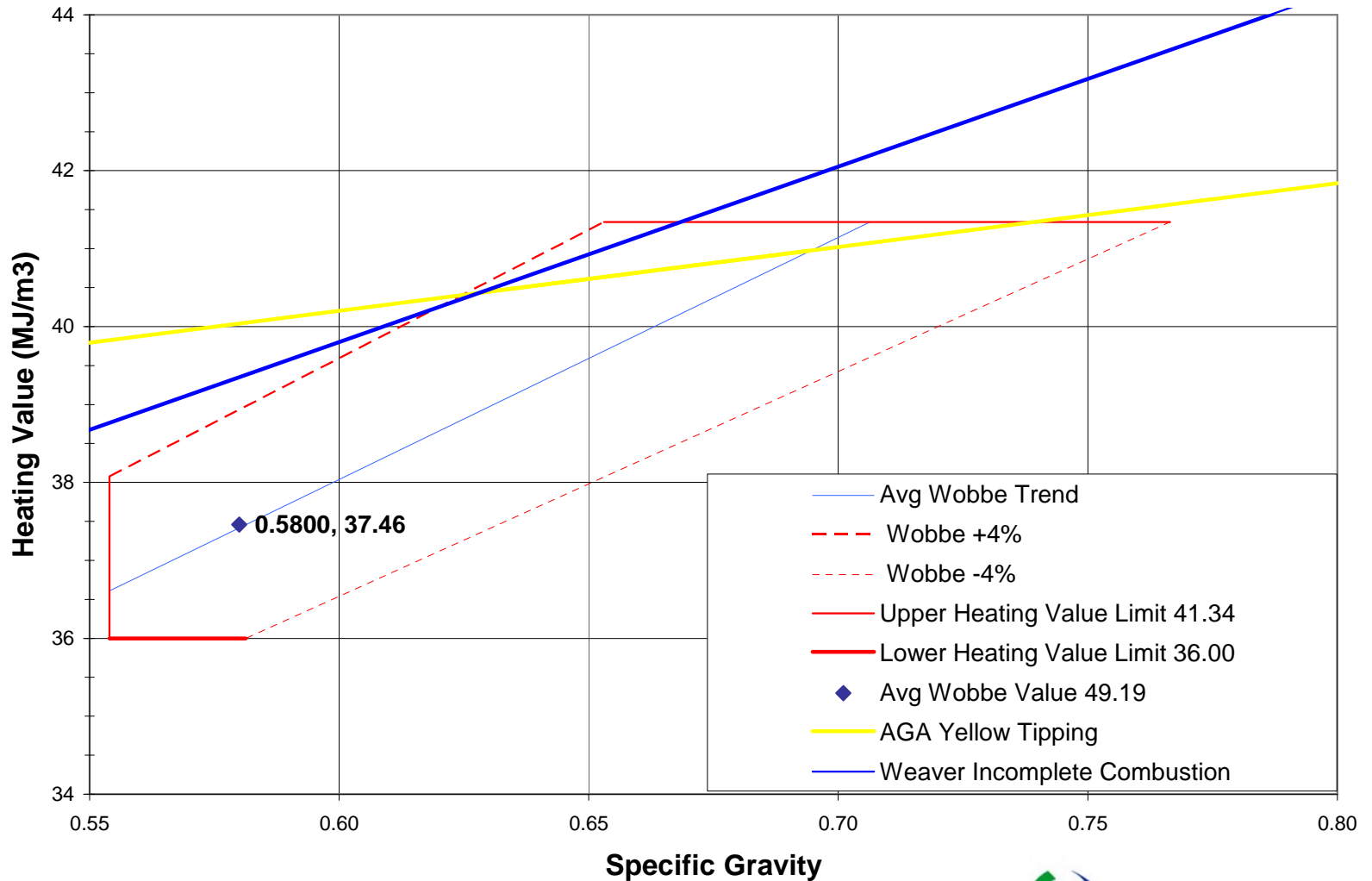
Summer



Natural Gas Heating Values (MJ/m³)



TransCanada Operating Window



Conclusions



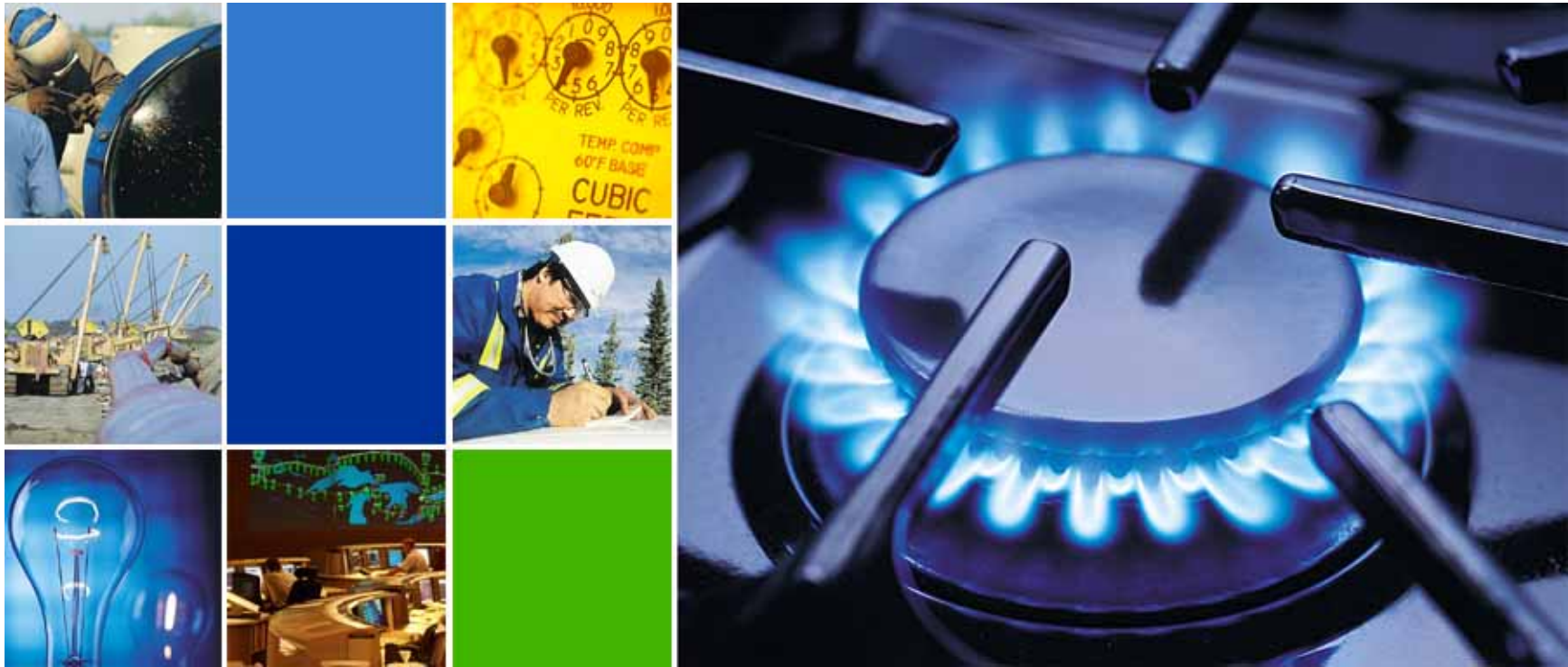
Proposed TCPL Tariff Changes align with North American practices.

Limits may change over time

- Future Research
- Empirical data is produced

Gas Interchangeability impact can be managed

- Majority of Customers will not be impacted



Nomination Timelines

NAESB Update



Considering modifications to nominations model to:

- Benefit all shippers; and
- Improve coordination between electricity & gas scheduling

Industry proposals include

- Adding 1 or more new intraday cycles
 - Possible differences between east & west
- Modify current intraday cycles

Please refer to NAESB website for further details

www.naesb.org/wgq/wgq_bps_698.asp

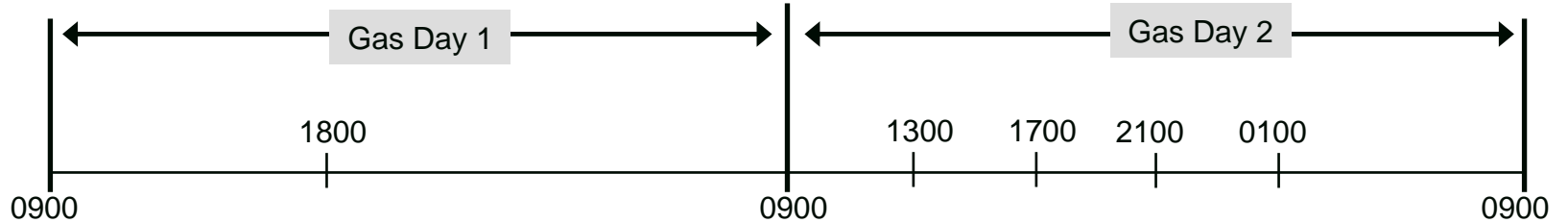
Challenges with Current Model



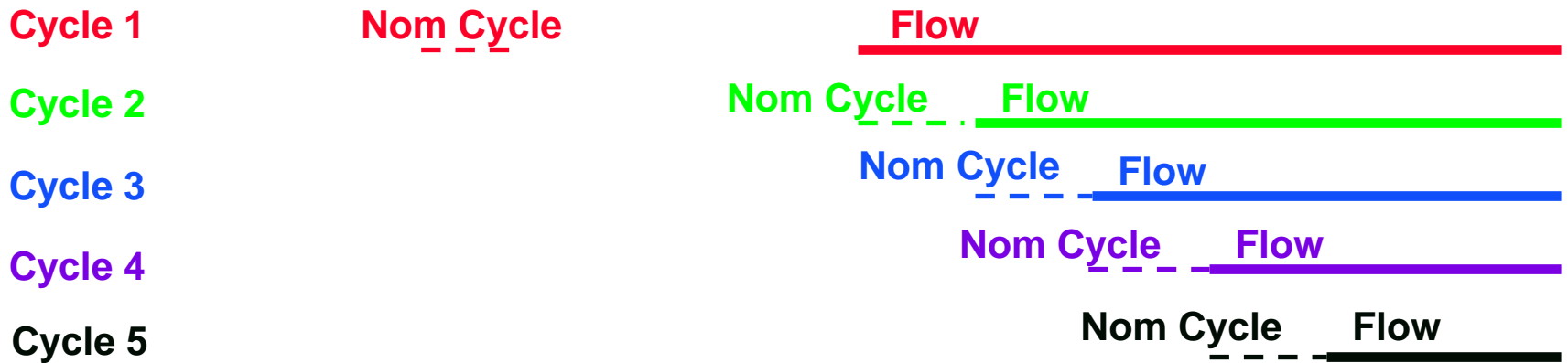
- Nom deadlines are too far from effective time
 - Poor response to volatile markets
 - Imbalances
- Duplicate cycles
 - Timely & Evening for same effective time
- Overlapping/Concurrent cycles
 - Timely cycle for next day & ID 1 for current day
 - Evening cycle for next day & ID 2 for current day

Overly complex; Does not meet industry needs

Alternative - Model 1 - Diagram



Gas Day 2 Flow Activity



Gas Day 3 Flow Activity



[Central Time]

Alternative - Model 1

- Features

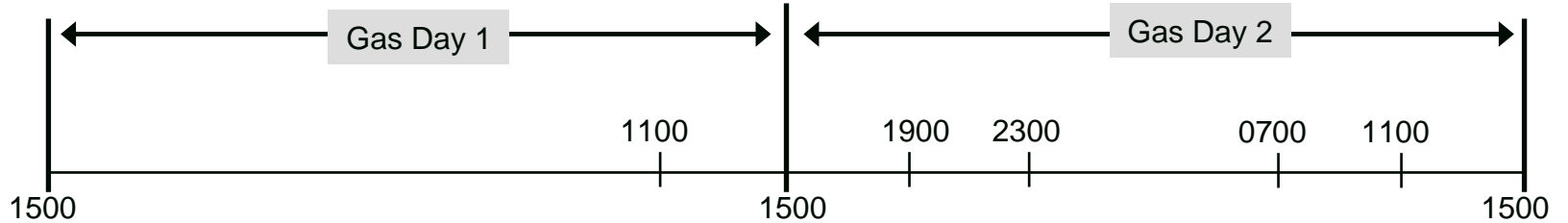


<u>Cycle Name</u>	<u>Nom</u>	<u>Effective</u>
1	1800	0900 next gas day
2	0900	1300 same gas day
3	1300	1700 same gas day
4	1700	2100 same gas day
5	2100	0100 same gas day

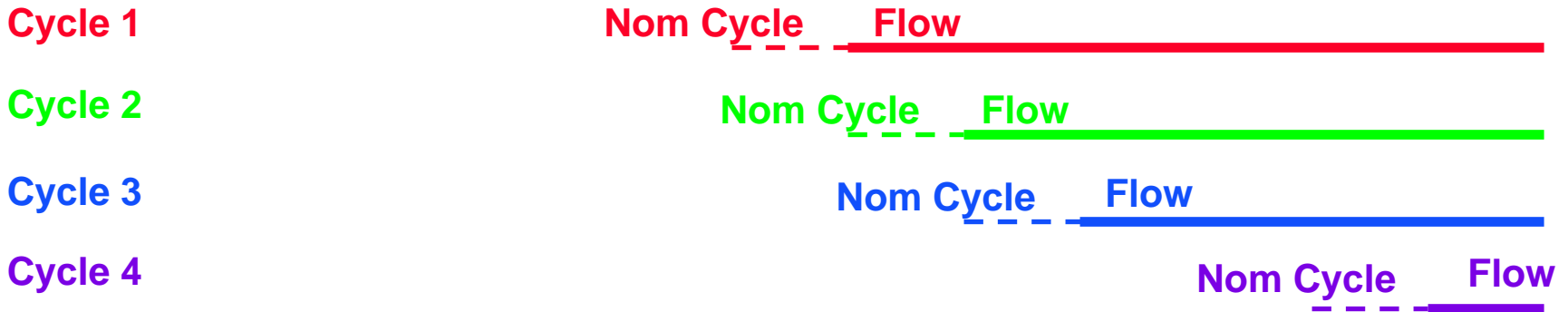
Benefits:

- 5 cycles (1 before Day; 4 intraday)
- No duplicates (delete Timely cycle)
- Reduced overlap
- Some nominations are closer to effective time

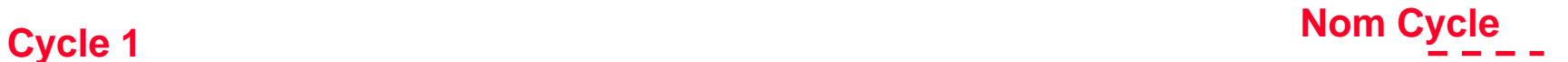
Alternative - Model 2 - Diagram



Gas Day 2 Flow Activity



Gas Day 3 Flow Activity



[Central Time]

Alternative - Model 2

- Features



<u>Cycle Name</u>	<u>Nom</u>	<u>Effective</u>
1	1100	1500 next gas day
2	1500	1900 same gas day
3	1900	2300 same gas day
4	0700	1100 same gas day

Gas Day Modified to 1500-1500

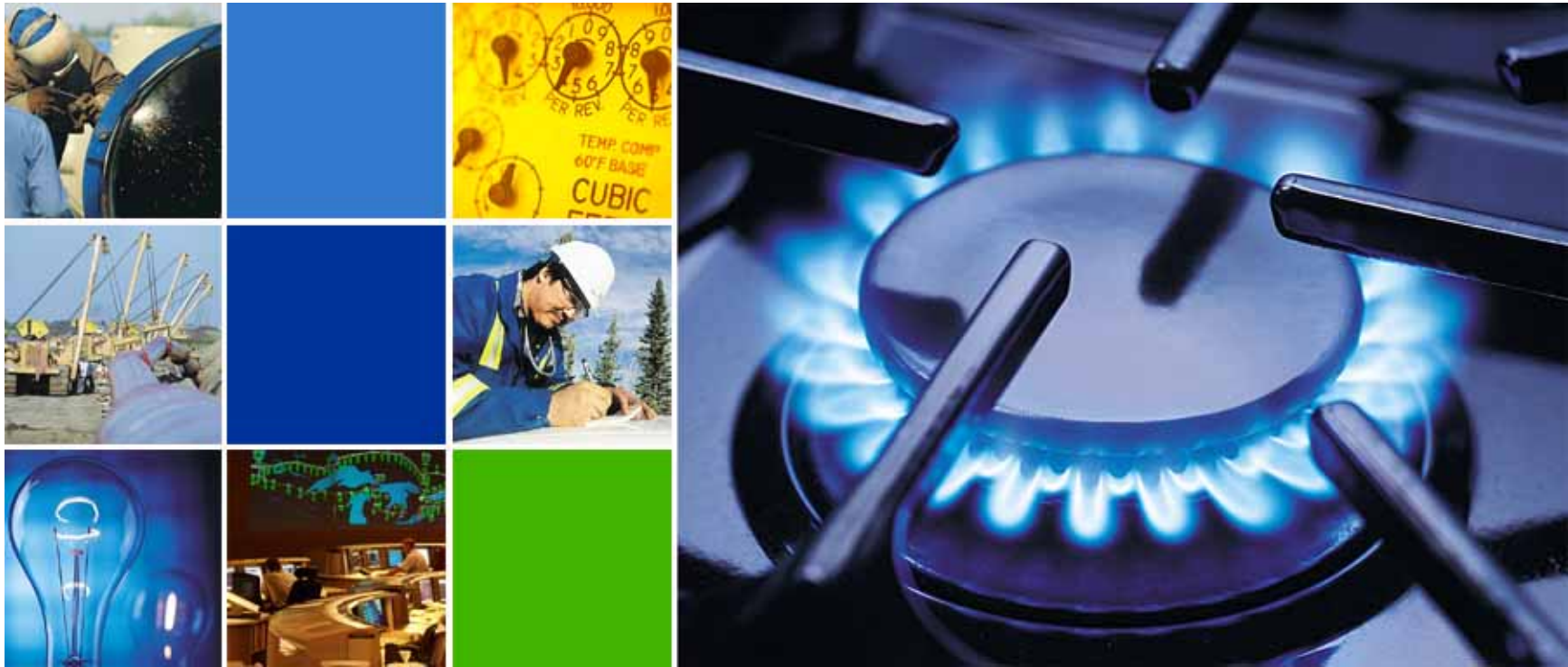
Benefits

- start & end of day cycles in prime Business Hours
- Facilitates 'late in the Day' balancing
- 3 intraday cycles
- Nomination closer to flow time
- No duplicates

Summary



- Current Model has serious flaws
- Adding windows to current model may only make a bad model worse
- May be simple changes to simplify & improve scheduling
 - **Option 1: realign windows; add 5th window**
 - **Option 2: change Gas Day**
- Comments & Feedback appreciated!!!



Short Notice Power Services

Gas versus Electricity – Grand Canyon

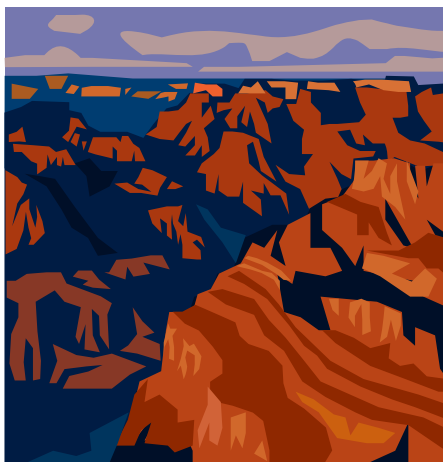
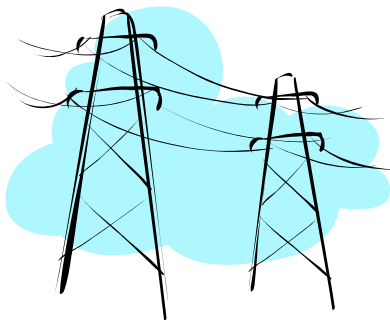


Electricity

- 'real-time'
(5 minute dispatch)

-288 noms/day

-firm access
7x24

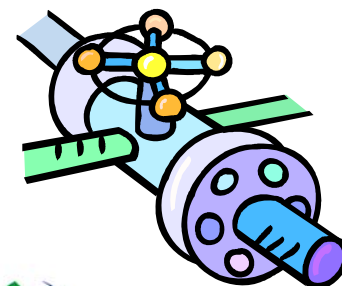


Gas

'day ahead'

-4 noms/day

-no assured access
for firm except at
timely window



Power Services: Firm Transportation – Short Notice (FT-SN)



Electricity

- 'real-time'
(5 minute dispatch)

-288 noms/day

-firm access
7x24



TransCanada FT-SN

-15 minute dispatch

-96 noms/day

-reserved capacity
-short-notice balancing

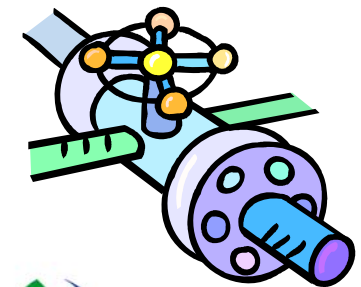


Gas

- 'day ahead'

-4 noms/day

-no assured access
for firm except at
timely window



Firm Transportation Short Notice (FT-SN)



- Designed to meet the requirements of gas-fired electrical power generators but available to all Mainline shippers
- Same attributes as FT with the following differences:
 - Reservation of capacity (Firm all day)
 - Nominations in flow rate rather than daily quantity
 - 96 nomination windows
 - Separate delivery point
 - Flow control required
 - No RAM Credits

Short Notice Balancing (SNB)



- Must be linked to an FT-SN contract
- A firm, storage-like balancing service
- Reservation of capacity (firm all day) up to FT-SN contract demand
- Nominations in flow rate not daily quantity
- 96 nomination windows available

The end.....



Questions?