



FT-Transfers to Storage 101

Education Material



For information purposes only

How 'FT-Transfers to Storage' works | Agenda

- 1 Definitions
- 2 Key Eligibility Criteria
- 3 Simplified Process
- 4 System Impact of Transfer Hydraulics and Examples
- 5 Requesting an 'FT-Transfer to Storage' in the Dovetail System

How 'FT-Transfers to Storage' works | Definitions

- **FT-R Transfer** – from a receipt station to storage for withdrawal
- **FT-D Transfer** – from a delivery station to storage for injection (Excludes FT-D3)
- **Out & Back Transfer** – two transfers submitted and processed as a pair
 - The “out” transfer goes from location A to a storage location, and is hydraulically neutral or positive
 - The “back” transfer is a future dated transfer from a storage location to location A within a 40-day window
- **Automated Transfer Process (ATP)** – existing functionality that can be utilized to automatically approve transfers that meet the automation criteria
- **Effective Gas Day** – gas day on which FT-Transfer to Storage is effective

How 'FT-Transfers to Storage' works | Key Eligibility Criteria

Transfers

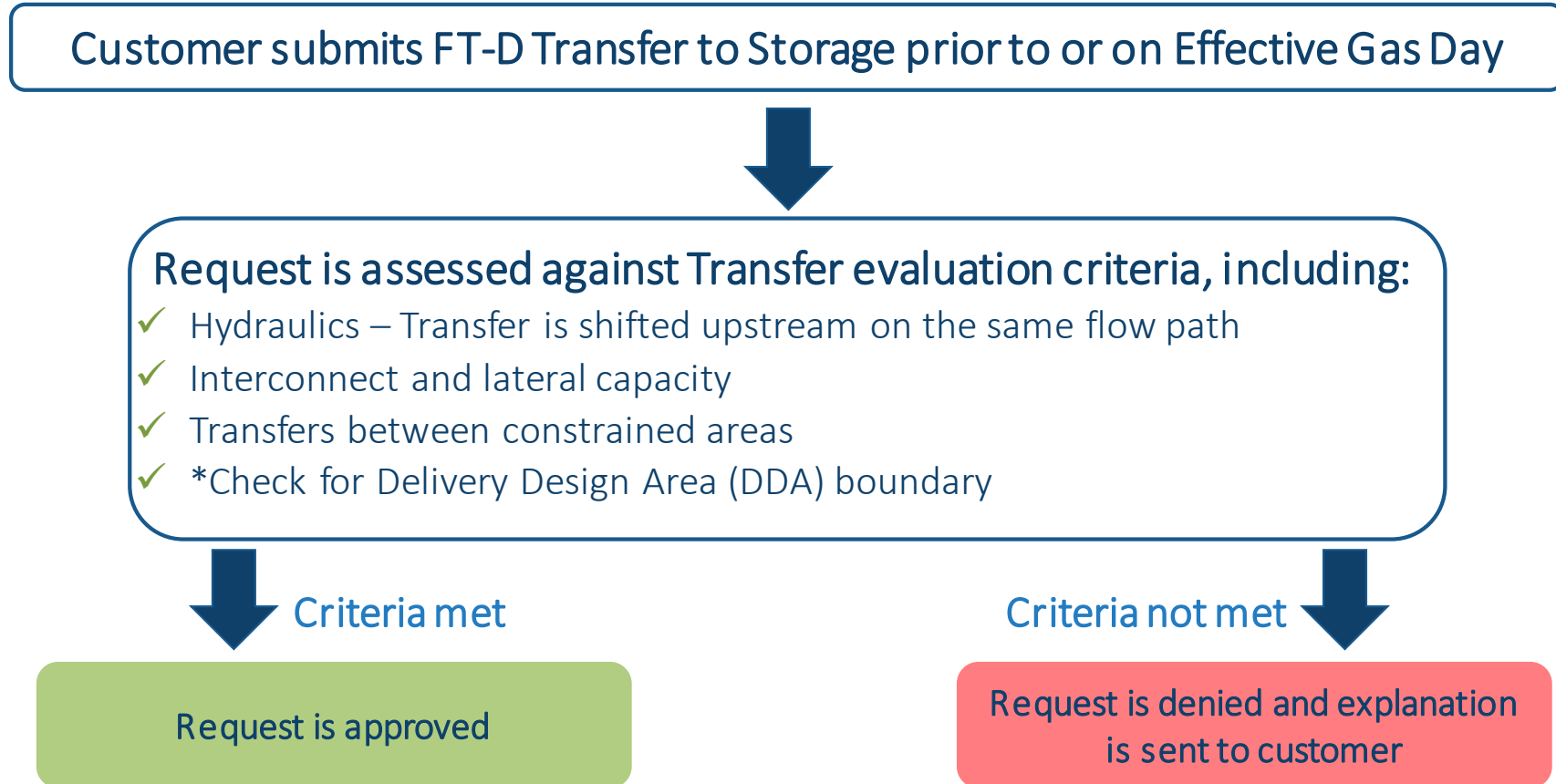
- Service must be in secondary term
- Requests may be submitted up to 39 days in advance of, and including, the requested Effective Gas Day
- Existing capacity must be sufficient to accommodate the request
- Transfers must be hydraulically neutral or positive for acceptance with some exceptions

Additional Criteria for FT-Transfers to Storage

- Only available on an Out & Back basis, One-way transfers are not permitted
- Only applicable to FT-R, FT-D1 and FT-D2 service holders
- FT Transfers to Storage are only available at storage locations that qualify for IT-S service
- All transfers must be hydraulically neutral or positive for acceptance

For complete eligibility criteria, review '[NGTL FT-Transfers to Storage Procedure](#)' by clicking [HERE](#)

How 'FT-Transfers to Storage' works | Simplified Process

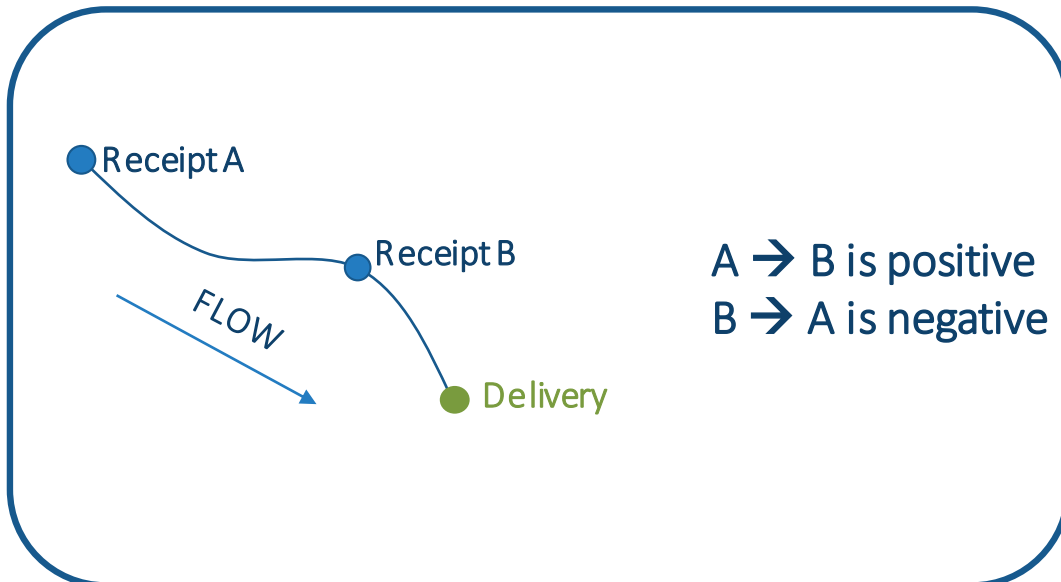


Note:

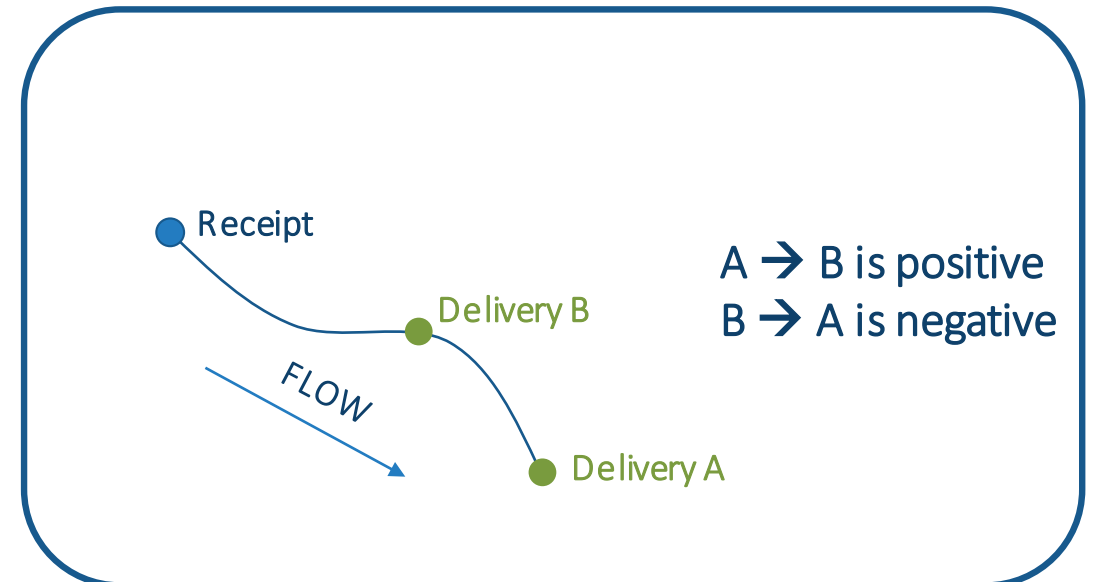
- A request that is approved will be allowed to return to its Home Location at any time, subject to Availability at Home Location
- Transferred to Storage contracts approved as per this process will have same priority of service as other firm services during planned/unplanned interruptions
- *Customers requesting FT-Transfers to Storage that cross DDA boundaries will be warned that 6 years of term will be added to the contracts involved in the transfer

How 'FT-Transfers to Storage' works | System Impact of Transfer Hydraulics

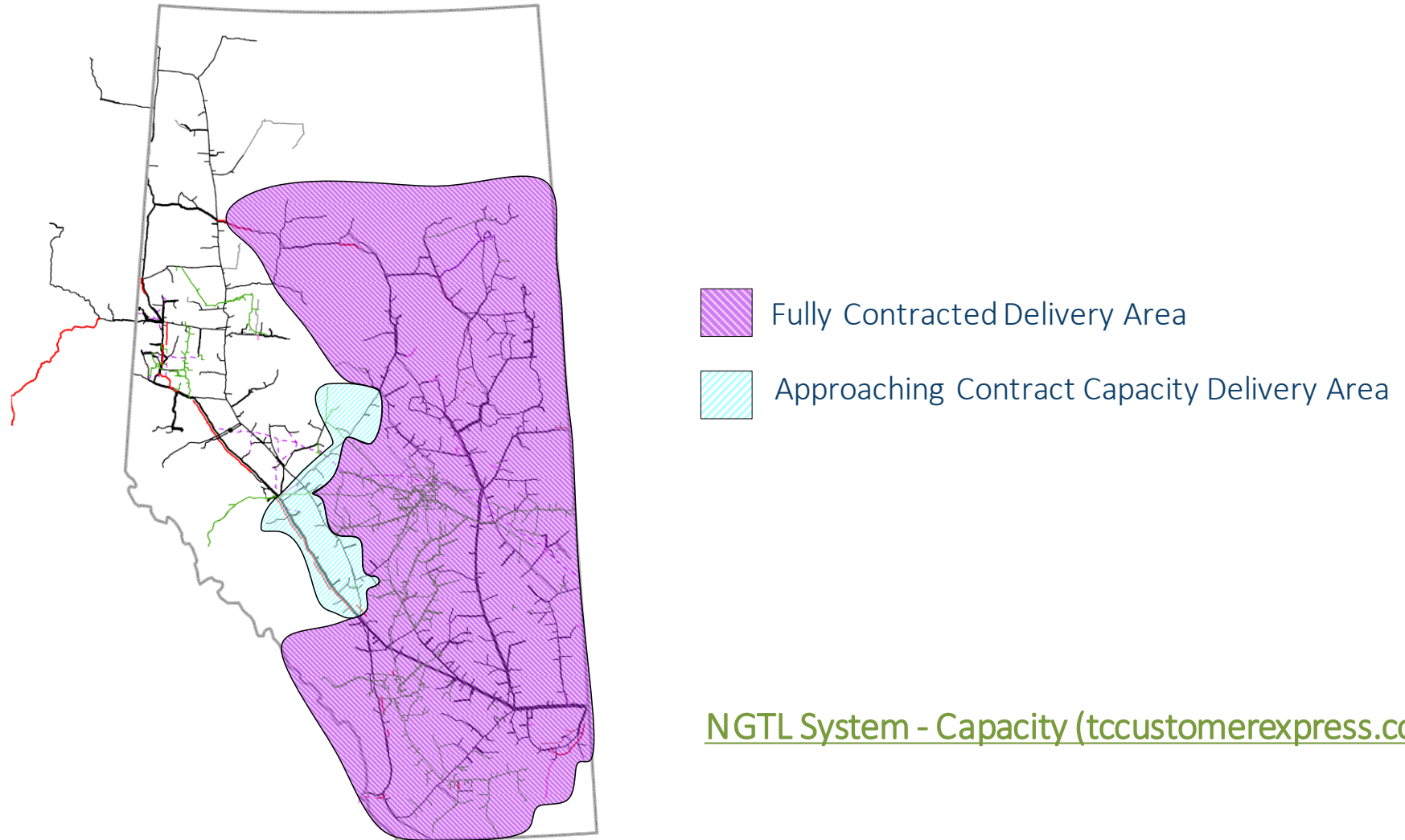
Receipt Transfer System Impact



Delivery Transfer System Impact

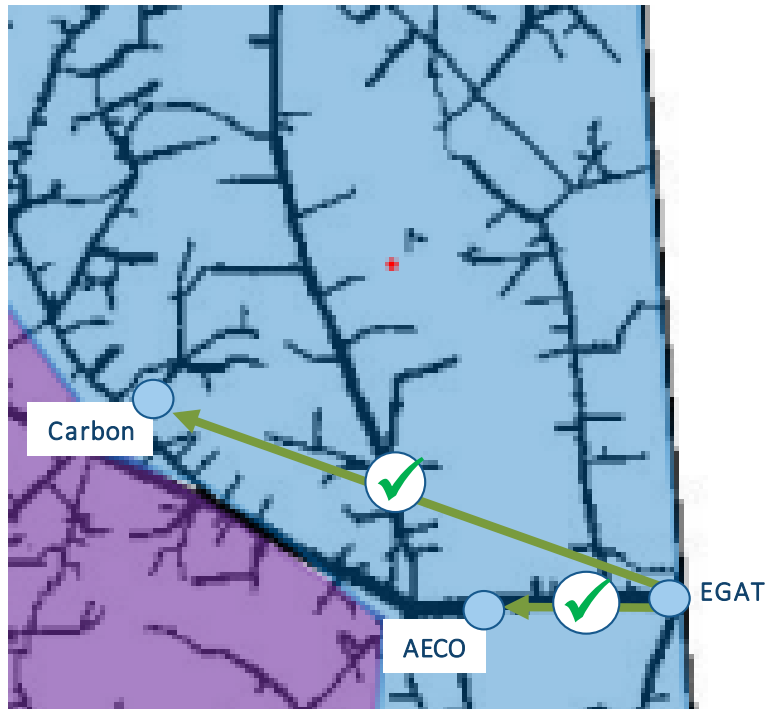


How 'FT-Transfers to Storage' works | Transfer Practices in Fully Contracted Areas



How 'FT-Transfers to Storage' works | Delivery Examples

SE Delivery Design Area



Upstream Transfer to Storage in EGAT area

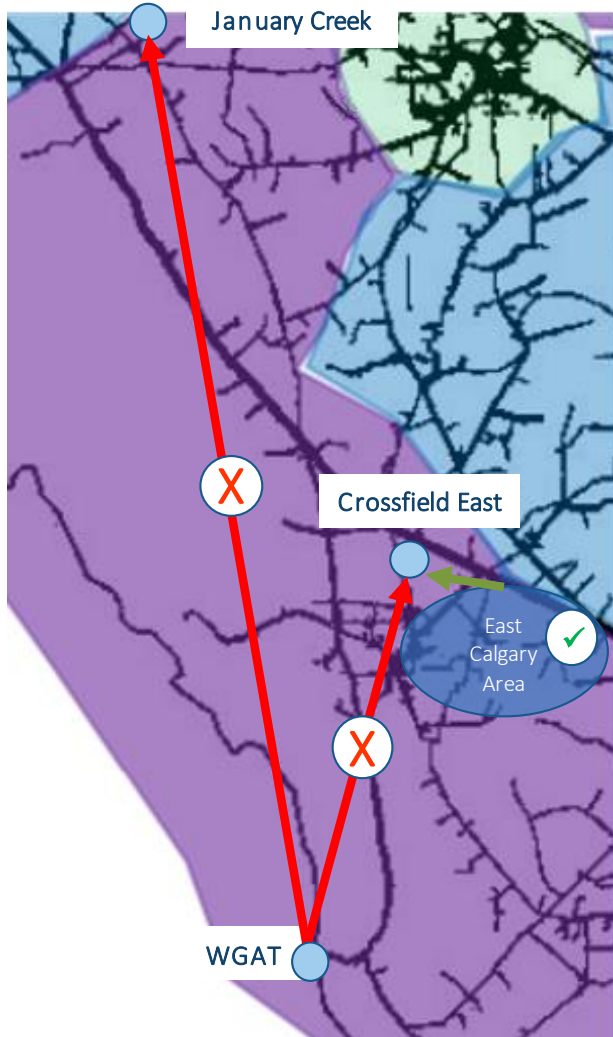
FT-D 100 units **upstream** to storage
Within Design Delivery Area
Hydraulically positive
Sufficient meter capacity

Request is approved

>95% of FT Transfer to Storage requests received to date

How 'FT-Transfers to Storage' works | Delivery Examples

SW Delivery Design Area



Pre-evaluation request examples

Upstream Transfer WGAT to January Creek

FT-D 100 units **upstream** to storage
Within Design Delivery Area
Service transferred out of Fully Contracted Delivery Area is not permitted to return
(in fairness to customers awaiting availability within the area)
Hydraulically positive
Sufficient meter capacity
Request is **not approved**

Downstream Transfer WGAT to Crossfield East

FT-D 100 units **downstream** to storage
Within Design Delivery Area
Hydraulically negative
Sufficient meter capacity

Request is **not approved**

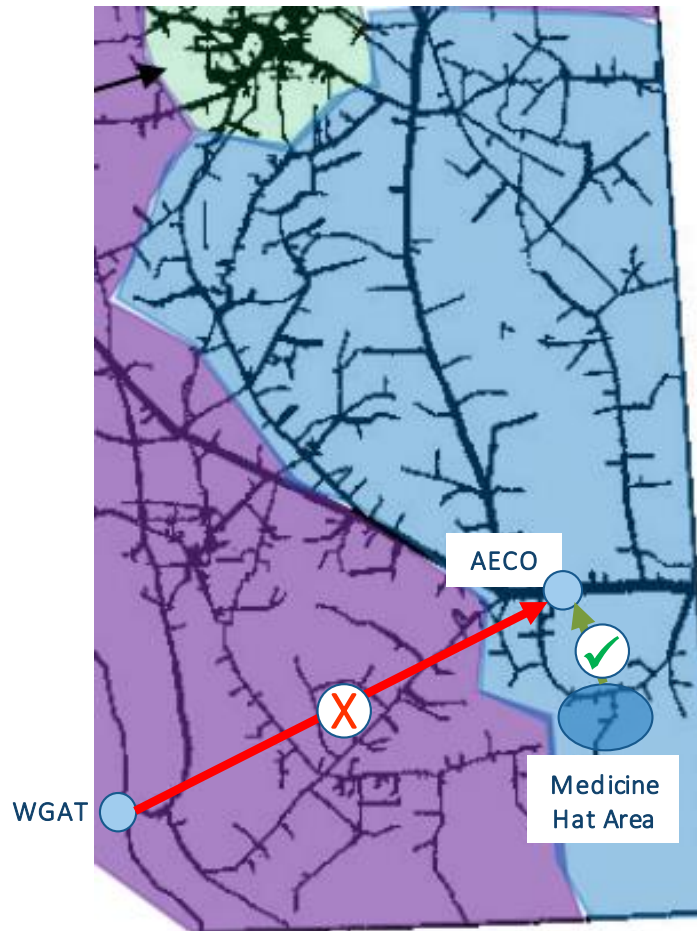
Upstream Transfer East Calgary Area to Crossfield East

FT-D 100 units **upstream** to storage
Within Design Delivery Area
Hydraulically positive
Sufficient meter capacity

Request is **approved**

How 'FT-Transfers to Storage' works | Delivery Examples

SW & SE Delivery Design Areas



Pre-evaluation request examples

Downstream Transfer WGAT to AECO

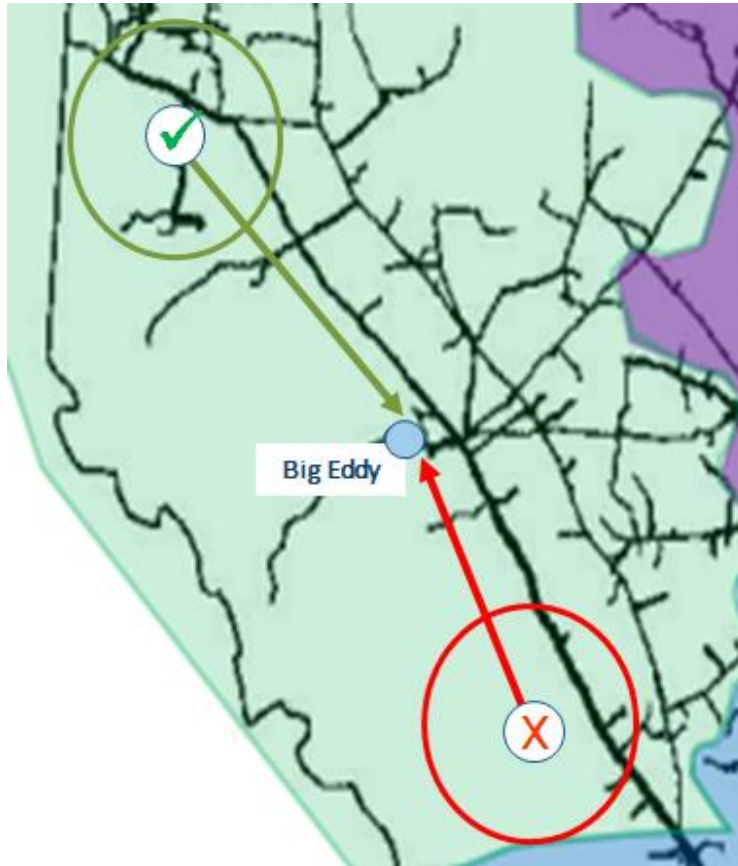
FT-D 100 units **downstream** to storage
Not within Design Delivery Area
Hydraulically negative
Sufficient meter capacity
Request is not approved

Neutral Transfer Medicine Hat Area to AECO

FT-D 100 units **upstream/neutral** to storage
Within Design Delivery Area
Hydraulically neutral
Sufficient meter capacity
Request is approved

How 'FT-Transfers to Storage' works | Receipt Examples

Peace River Project Area



Downstream Transfer to Big Eddy

FT-R 100 units **downstream** to storage
Within Project Area
Hydraulically positive
Sufficient meter capacity

Request is approved

Upstream Transfer to Big Eddy

FT-R 100 units **upstream** to storage
Within Project Area
Hydraulically negative
Sufficient meter capacity

Request is not approved

How 'FT-Transfers to Storage' works | Requesting an Out/Back Transfer to Storage

1 In Customer Activities, select Contract Management followed by "Request for Service"



2 Select relevant firm service type under Out/Back Transfer



How 'FT-Transfers to Storage' works | Requesting an Out/Back Transfer to Storage

- 3 Input transfer information and select 'Find Eligible Contracts'
Email Address Option – all notifications for this request will be sent to this email in addition to primary contract contact.

Request for Service: Out/Back Firm Transportation Receipt Transfer

FIND ELIGIBLE CONTRACTS **CANCEL**

SERVICE REQUESTER: TS01

SERVICE PROVIDER: NOVA Gas Transmission Ltd.

START DATE: 2017-Sep-01

BACK START DATE: 2017-Oct-01

FROM LOCATION: 1624 - CONKLIN (CONKL) 0001624

TO LOCATION: 1634 - CONKLIN WEST (CONKW) 0001634

TRANSFER QUANTITY: 0.1 e3m3/day

EMAIL ADDRESS: ngtl_contracting@transcanada.com

SELECTED AMOUNT TYPE:
 Full request on selected contract
 Not to Exceed request on selected contract
 Retain request on selected contract
 Minimum Available

***Note: Should you fill in the email then all notifications for this request will be sent to this email address.**

- 4 Select contract(s) and quantity

Request for Service: Out/Back Firm Transportation Receipt Transfer

VALIDATE **SUBMIT** **CANCEL**

SERVICE REQUESTER: TS01

SERVICE PROVIDER: NOVA Gas Transmission Ltd.

START DATE: 2017-Sep-01

BACK START DATE: 2017-Oct-01

FROM LOCATION: CONKLIN

TO LOCATION: CONKLIN WEST

TRANSFER QUANTITY: 0.1 e3m3/day

EMAIL ADDRESS: ngtl_contracting@transcanada.com

LETTER DATE:

RECEIVED DATE/TIME: 2017-Aug-04 15:38:19

SELECTED AMOUNT TYPE: Not to Exceed request on selected contract

CONTRACT STATUS: Billable

CONTRACTS ELIGIBLE FOR TRANSFER

Select all	Contract #	Contract End Date	Transferred Quantity	Eligible Quantity	Billing Start Date	Billing End Date	Price Point
<input checked="" type="checkbox"/>	2017901539	2020-Jul-31	0.1 e3m3/day	100.0 e3m3/day	2017-Sep-01	2020-Jul-31	B
	Total		0.1				

How 'FT-Transfers to Storage' works | Requesting an Out/Back Transfer to Storage

- 5 Click 'Submit' to complete the request. A summary is displayed and request is sent to NGTL for evaluation

Summary of Submitted Request: Firm Transportation Receipt Transfer

REQUEST INFORMATION

AGREEMENT TYPE:	Firm Transportation Receipt	REQUEST TYPE:	Transfer
REQUEST NUMBER:	R2017520417	SERVICE PROVIDER:	NOVA Gas Transmission Ltd.
SERVICE REQUESTER:	Test 1 Customer	REQUEST START DATE:	2017-Sep-01
APPROVAL DATE:		REQUEST END DATE:	
STATUS:	In Progress	ACTUAL START DATE:	
RECEIVED DATE TIME:	2017-Aug-04 16:19:15		
REQUEST OWNER:	Eddie Johnson		
LETTER DATE:	2017-Aug-04		
CANCEL DATE TIME:			
CANCEL REASON:			
CANCELLED DECISION SUMMARY NUMBER:		IS ONLINE PRE-APPROVED:	Yes
LOCATION(S):	1634:CONKLIN WEST	STARTED AS PREAPPROVED:	Yes
LOCATION MODIFICATION NOTES:		REQUEST SECONDARY START DATE:	
IS QUEUED:	No	PROJECT RELATED:	No
TRANSFER FROM LOCATION:	1624:CONKLIN	SELECTED CAVEATS:	No

REQUEST QUANTITIES

Quantity Type	Quantity	Start Date	End Date	Location/Quantity Type
Demand	0.1 e3m3/day	2017-Sep-01	9999-Dec-31	Demand

Note: 'FT-Transfers to Storage' requests that want to use volumes from temporary assignments that are less than 40 days and will last the entire duration of the assignment, must be entered into the system by the NGTL Contracting team. If these criteria fit your transfer request, please contact ngtl_contracting@tcenergy.com

How 'FT-Transfers to Storage' works | Additional Self-Serve Contracting Resources

- In addition to transfers to storage customers have access to self serve capabilities for the following contracting transactions through our [NRG Dovetail Contracting system](#) and procedures to assist customers with these transactions can be found on our [NGTL Customer Activities page](#) in the 'Procedures' section
- Self serve capability available for:
 - One-Way Transfers
 - Out/Back Transfers
 - Temporary Assignments
 - Early Reversion of Temporary Assignments
 - Permanent Assignments
 - Consolidations
 - Renewals
 - Cancellations of In-Progress Requests

These transactions may be approved outside of regular business hours, provided that *further review or analysis of the transaction is not required.*

Transfer to storage instructions specifically can be found [here](#)

Please contact ngtl_contracting@tcenergy.com if further assistance is required

Contacts

Ashley Innes

Director, Marketing

403-920-5574

ashley_innes@tcenergy.com

Joe Zhou

Director, Capacity Management

403-920-7227

joe_zhou@tcenergy.com

Cullen Dancy

Operations Planning

403-933-0785

cullen_dancy@tcenergy.com

Jason Harrison

Technical Lead, Customer Solutions

403-920-7952

jason_harrison@tcenergy.com

Taylor Kimmett

Manager, Contracting

403-920-5579

taylor_kimmett@tcenergy.com

Jillian Hemstock

Chair, NGTL/FH Customer Ops meetings

403-920-7136

jillian_hemstock@tcenergy.com