

# Storage

Training Module

This module provides information regarding a wide range of storage services that are available on Transco's system.



## **Table of Contents**

Important Information – Please Read	3
Introduction	4
Definitions	4
Physical Storage	4
Base Gas vs. Top Gas	4
On System vs. Off System	4
Bundled vs. Unbundled	4
Injections vs. Withdrawals	5
Nominating Storage	5
Storage Services	5
Storage Service Summary	6
GSS – General Storage Service	7
LSS – Leidy Storage Service	8
S2 – Storage Service	9
SS-2 Storage Service	10
LNG/LGA (Liquefied Natural Gas Storage Service)	10
LG-S	11
WSS/WSS-OA (Washington Storage Service)	12
ESS - Eminence Storage Service	13
Excess Storage Availability	16
Storage Pages – Navigation, Description and View	16
View Storage Balance	16
Storage Transfer Summary	17
Create Storage Transfer	17
Create Storage Transfer - Prearranged	
Create Self Storage Transfer	19
Create Storage Transfer – Non Prearranged	20
Posting Storage Balances	21
Viewing Posted Storage Balances	22
Available Storage Reports	22
Storage Glossary	23
Monthly Verification of Storage Balances	24

## **Important Information – Please Read**

The information provided herein is for informational purposes only and does not modify any provision in Transco's FERC Gas Tariff. If a conflict exists between this information and Transco's FERC Gas Tariff, the provisions in Transco's FERC Gas Tariff apply. Transco makes no representation or warranty as to the completeness or accuracy of this information. Transco shall not be liable for any informational errors, incompleteness, or delays, or for any actions taken in reliance on this information.

To review the tariff language specific to any topic, go to <u>Transco's Informational Postings</u> page, and select **Tariff** from the left-hand navigation menu.

## Introduction

Storage services allow customers to purchase gas in non-peak periods (usually in the summer), store it, and then utilize the gas by withdrawing it from the storage facilities and having it delivered to the delivery location during the peak period (usually in the winter).

## Definitions

### **Physical Storage**

**Storage Fields** – Gas is stored in underground caverns which are depleted production reservoirs or salt dome caverns. There are also above-ground tanks used for storing gas in a liquid form (liquefied natural gas or LNG).

#### Base Gas vs. Top Gas

**Base gas** (cushion gas) – volume of gas intended as permanent inventory in a storage reservoir to maintain adequate pressure and deliverability rates.

Top gas (working gas) – volume of gas in the reservoir above the level of base gas.

#### On System vs. Off System

**On-system** – Storage facilities directly connected to Transco's pipeline. Examples are Washington field in Louisiana; Eminence field in Mississippi; and the LNG storage facility in Carlstadt, New Jersey.

**Off-system** – Storage facilities not directly connected to Transco's system. There are agreements with the interconnecting pipelines to transport storage gas between an interconnect with Transco and the storage facility and with the storage operators. Transco tracks and passes through to its customers the charges of off-system providers of transportation and storage services.

#### **Bundled vs. Unbundled**

**Bundled Storage** – storage that includes transportation service and fees to and from the delivery location; no separate transportation contract is required (GSS, LSS, S-2, SS-2, LGA and LNG).

**Unbundled Storage** – storage service that does not include transportation service to and from the delivery location; gas must be nominated to and from the storage location on a separate transportation agreement (ESS-OA, and WSS-OA)

#### **Injections vs. Withdrawals**

**Injections**: If the field is empty there is less pressure resistance and, therefore, you can inject more. As the field fills up, there is a higher pressure within the field, so less gas can be physically injected.

**Withdrawals**: If the field is full, there is more pressure, so you can withdraw more gas. As the field empties, there is less pressure, and less gas can be physically withdrawn.

## **Nominating Storage**

If nominating a bundled storage service, one storage nomination (transaction type 6 or 7) is required.

If nominating an unbundled storage service, one transportation nomination (transaction type 1) is required, assuming the transporter is the same company as the storage contract holder. However, if the transporter and storage contract holder are not the same company, a separate storage nomination (transaction type 6 or 7) is required. The upstream/downstream contract field should reference the storage owner's contract.

## **Storage Services**

The following are examples of some of the storage services available. Additional information on these services can be found in the **Rate Schedules** section of Transco's FERC Gas Tariff.

- GSS
- LSS
- S-2
- SS-2
- LNG
- LG-A
- WSS
- ESS

## **Storage Service Summary**

Rate Schedule	GSS	LSS	ESS	WSS	S-2	<b>SS-2</b>	LNG	LG-A
Type of	Bundled	Bundled	Unbundled	Unbundled	Bundled	Bundled	Bundled	Bundled
Service								
Physical	Leidy Project	Leidy				Penn York		
Location	Wharton	Penn York	Mississippi	Louisiana	Oakford	Ellisburg	Carlstadt, NJ	Carlstadt, NJ
	Dominion							
TGPL point of								
receipt/delivery to	Leidy-Dominion	Leidy-Dominion	Eminence	TGPL Sta. 54	TETCO @ Linden	Leidy-National	LNG Plant	LNG Plant
upstream	Wharton	Wharton National			& Shippack	Fuel		
pipeline		Fuel						
Injection	All Year	Apr.1 - Oct. 31	All Year	All Year	Apr. 16 - Nov. 15	Apr. 1 - Oct. 31	Apr. 1 - Oct. 31	Apr. 1 - Oct. 31 Firm
Season								Nov. 1 - Mar. 31 Best Efforts
Withdrawal								Nov. 1 - Mar. 31 Firm
Season	All Year	Nov. 1 - Mar. 31	All Year	All Year	Nov. 16 - Apr. 15	Nov. 1 - Mar. 31	Nov. 1 - Mar. 31	Apr. 1 - Apr. 30 Best Efforts
								None: May 1 - September 30
								Oct. 1 - Oct. 31 Best Efforts
Excess	With Approval	With Approval	With Approval	With Approval	None	None	With Approval	With Approval
Injection								
Excess	With Approval	With Approval	With Approval	With Approval	None	None	With Approval	With Approval
Withdrawal								

#### **GSS – General Storage Service**

- Year-round service
- Service provided to Transco by Eastern Gas Transmission and Storage, Inc ("EGTS")
- Leidy storage partnership with EGTS and Spectra
- Injection is nominated with fuel
- Withdrawal is nominated net
- Transco shall not be obligated to deliver gas to Customer hereunder, when:
  - From 11/1 2/14 Balance to < 20% Capacity
  - From 2/15 3/1 Balance to < 7% Capacity</li>
- Minimum inventory: Customer must maintain a storage Gas Balance equal to or greater than the following percentages of Customer's Storage Capacity Quantity on each day during the following months:
  - December 35% Capacity
  - January 35% Capacity
  - February 15% Capacity
- If the balance is less than the minimum only a percentage of demand will be allowed (95%)
- Minimum Turnover:
  - During the winter period customers must withdraw a quantity equal to or greater than the difference of the beginning balance 11/1 and 35% capacity
  - Penalty on amount not withdrawn.

### Example of Injection (TT 6)

Ø Nom Status	Retro Status	Bur Bur K +	Due Data 🏯		Package ID	Rec Loc			11-14	Rec Rank	Del Loc		Dn K 🖕
	Retro Request ID	SVC Red K	Beg Date	11	Ψ.	Rec Loc Name			орк –	-	Del Loc Name	Del Qty	Dn ID Prop-Name
Error	÷	Svc Req Name	End Date 🍦	Cycle 🍦	Route 🤤	*	Rec Qty 🤤	Fuel %	Up ID Prop-Name 🍦	Del Rank 🖕	2 7	÷	-
Submitted		9270880	06/01/2023	06	GSS Injection	ABClocation	2000				1002688		
		1LINE DUMMY GAS		THEFT		ADCIOCACION		2.72	238908 - 1LINE DU		000151	1946	9270880-
N		CUSTOMER	06/01/2023	TIMELY							GSS LEI		

## Example of Withdrawal (TT 7)

Nom Status	Retro Status	Svc Reg K	Beg Date	TT ^	Package ID	Rec Loc			∪рК	Rec Rank	Del Loc		Dn K 🧅
Error	Retro Request ID	Svc Req Name	End Date	Cycle	Route	Rec Loc Name	Rec Qty	Fuel %	Up ID Prop-Name	Del Rank	Del Loc Name	Del Qty 📮	Dn ID Prop-Name
Submitted		9270880	06/01/2023	07	Withdraw GSS	1002688	10,000		-		ADClosetion	1000	
N		LINE DUMMY GAS	06/30/2023	TIMELY		GSS LEI	- 1000	0	9270880 -	999	ABCIOCATION		238908-1LINE D

#### LSS – Leidy Storage Service

- Seasonal Service
- Service provided to Transco by EGTS and National Fuel.
- Injection is nominated with fuel
- Withdrawal is nominated net
- Minimum Inventory Balance Requirements
  - For December and January no less than 35% capacity
  - For February no less than 15%
- If the balance on any given day is less than the minimum required on that day, the customer will be allowed a percentage (93.33%) of its storage demand.
- Minimum turnover requirements: November 1 March 31
- Quantity withdrawn must be equal to or greater than 35% of its capacity
- Penalty could be charged on amount not withdrawn

#### Example of Injection (TT 6)

Nom Status	Retro Status	Svc Reg K	Beg Date	A. 1	TT ^	Package ID	Rec Loc			Uр К	Rec Rank	Del Loc		Dn K 🔶
Error	Retro Request ID	Svc Req Name	End Date	÷.	Cycle 🌲	Route	Rec Loc Name	Rec Qty	Fuel %	Up ID Prop-Name	Del Rank 🏮	Del Loc Name	Del Qty	Dn ID Prop-Name
Submitted		9270881	06/01/2023		06	LSS Injection	ADCIs solis a	1000		9270881		1002694		
N		1LINE DUMMY GAS CUSTOMER	06/30/2023		TIMELY		ABClocation		1.1	238908 - 1LINE DU		LSS STG	- 989	9270881-

## Example of Withdrawal (TT 7)

Nom Status	Retro Status	Svc Req K	Beg Date End Date	e ( )	TT 📮	Package ID	Rec Loc	Rec Qty	Fuel %	Up K Up ID Prop-Name	Rec Rank	Del Loc 🖕	Del Qty	Dn K Dn ID Prop-Name
Submitted		9270881	12/01/2023		07	Withdraw LSS	1002694						500	
N		1LINE DUMMY GAS CUSTOMER	12/31/2023		TIMELY		LSS STG	- 501	0.15	9270881 -	100	ABCIOCATION		238909-

#### S2 – Storage Service

- Seasonal service
- Service provided to Transco by Spectra
- Gas is received at Linden (Oakford Storage) and delivered at Skippack
- Injection is nominated with fuel
- Withdrawal is nominated net
- Data-based ratchet on the withdrawal service
- Injections and withdrawals are not allowed on same day
- Customers are billed demand charges one month in advance

### Example of Injection (TT 6)

Nom Status	Retro Status 📮	Svc Reg K	Beg Dat	e	π.*	Package ID	Rec Loc			Up K *	Rec Rank	Del Loc		Dn K 🖕
, W,	Retro Request ID			1.1	· · · · ·		Rec Loc Name					Del Loc Name	Del Qty	Dn ID Prop-Name
Error	*	Svc Req Name	End Dat	0	Cycle 🌻	Route	-	Rec Qty	%	Up ID Prop-Name	Del Rank	*	A Y	÷
Submitted		9270884	06/01/2023	1	06	S2 Injection	1006583			9270884		1002696		2
Gubinittou		11 INF DUMMY GAS	0010172023		00			ABClocation	۱ I	5210004	1	1002030	497	9270884-
N		CUSTOMER	06/01/2023		TIMELY		S JERSE			238908 - 1LINE DU		OAKFORD		0210004

## Example of Withdrawal (TT 7)

Nom Status	Retro Status	Sue Dee K	Reg Date		TT ^	Package ID	Rec Loc 🍦			Uр К 🍦	Rec Rank	Del Loc 🍦		Dn K 🍦
	Retro Request ID	SVC Req R	Beg Date	*			Rec Loc Name	Rec Qty		Up ID Prop-Name	×	Del Loc Name		Dn ID Prop-Name
Error	a T	Svc Req Name 🍦	End Date	4 7	Cycle 🌷	Route 🍦		÷	Fuel %	÷	Del Rank	4. 	Del Qty 🗍	÷
Submitted		9270884	12/01/2023		07	Withdraw S2	1002696					ADClassifier	250	9270884
N		1LINE DUMMY GAS CUSTOMER	12/31/2023		TIMELY		OAKFORD	- 250	0	9270884 -	1	ABCIOCATION		238908-1LINE D

### SS-2 Storage Service

- Seasonal service
- Service provided to Transco by National Fuel
- Injections and withdrawals are nominated with fuel
- Injections and withdrawals are not allowed on same day

### Example of Injection (TT 6)

Nom Status	Retro Status	Svc Req K	Beg Date	с <del>т</del> с	Package ID	Rec Loc			∪рК 📜	Rec Rank	Del Loc		Dn K 🚊
Error	Retro Request ID	Svc Reg Name 🍦	End Date	Cycle	Route 🖕	Rec Loc Name	Rec Qty	Fuel %	Up ID Prop-Name	Del Rank	Del Loc Name	Del Qty	Dn ID Prop-Name
Submitted		9270883	06/01/2023	06	SS-2 Injection		1000		9270883		1002693		
N		- 1LINE DUMMY GAS CUSTOMER	06/01/2023	TIMELY		ABClocation		0.45	238908 - 1LINE DU	1	SS-2 NA	996	9270883-

## Example of Withdrawal (TT 7)

Nom Status	Retro Status	Svc Req K	Beg Date	÷	Π _	Package ID	Rec Loc	Rec Otv		Up K	Rec Rank	Del Loc		Dn K
Error	4 +	Svc Req Name 🍦	End Date	4	Cycle	Route 🌻	+	÷	Fuel %	Ċ.	Del Rank 🍦	÷	Del Qty 🌐	÷
Submitted		9270883	12/01/2023		07	SS-2 Withdraw	1002693		-		-	ABClocation	500	9270883
N	]]	CUSTOMER	12/01/2023		TIMELY		SS-2 NA	- 502	0.45	9270883 -	1	Abciocation		238908-1LINE D

### LNG/LGA (Liquefied Natural Gas Storage Service)

- Transco operated service at Station 240
- Transco can store up to 2 BCF of liquefied natural gas (LNG) at the Carlstadt, New Jersey facility.
- LNG/LGA is a seasonal, firm bundled service
- Customers nominate injections and withdrawals at their city gate; no transportation is required
- Injections from: April 1 October 31
- All customers have to be at 100% at the end of the season
- Withdraw from: November 1 March 31
- Excess injections and withdrawals with approval
- Injection is nominated with fuel
- Withdrawal is nominated net
- LNG is releasable through capacity release, LGA is not

## Example of Injection (TT 6)

Nom Status	Retro Status	Svc Reg K	Beg Dat	e Č	πĉ	Package ID	Rec Loc			Uр К	Rec Rank	Del Loc		Dn K 🗍
Error	Retro Request ID	Svc Req Name	End Dat	• 🗘	Cycle 📮	Route	Rec Loc Name	Rec Qty	Fuel %	Up ID Prop-Name	Del Rank	Del Loc Name	Del Qty	Dn ID Prop-Name
Submitted		9270882	06/01/2023		06	LNG Injection	1006576 A	BClocation		9270882		1002686		Country of the
N		1LINE DUMMY GAS CUSTOMER	06/01/2023		TIMELY		PIEDMON		5	238908 - 1LINE DU		CARLSTA	- 750	9270882-

## Example of Withdrawal (TT 7)

Nom Status	Retro Status	Svc Req K	Beg Date	4 4 4 4	TT 💭 Cycle 📮	Package ID	Rec Loc	Rec Qty	Fuel %	Up K Up ID Prop-Name	Rec Rank	Del Loc	Del Qty	Dn K
Submitted		9270882	12/01/2023		07	LNG Withdraw	1002686	500	0	0370893		1006576	ABClocation	'0882
N		CUSTOMER	12/01/2023		TIMELY		CARLSTA	500	0	9270662 -	1	PIEDMON	ADCIOCULION	1908-1LINE D

## <u>LG-S</u>

- Truck sales from station 240 (Carlstadt LNG facility)
- Pipeline control and Commercial Services determine quantity of LG-S available annually
- Available mainly in spring, summer, fall months
- Open season is held to offer available quantity
- LG-S shippers take LNG by truck
- Station 240 personnel book the withdrawal quantity on the New Jersey North Power BI site.
- Commercial Services schedules the withdrawal
- LG-S shipper returns the withdrawal quantity (as gas) by scheduling to Station 240.

### Example of Injection (TT 6)

Nom     Status	Retro Status	Svc Req K	Beg Date	Π.,	Package ID 🏮	Rec Loc			Uр К 🍦	Rec Rank	DelLoc		Dn K 🌲
Error	Retro Reques t	Svc Req Name 🌷	End Date 🌷	Cycle	Route	Rec Loc Name 🌻	Rec Qty	Fuel %	Up ID Prop- Name	Del Rank 🏮	Del Loc Name 🍦	Del Qty 🌷	Dn ID Prop- Name
Submitted		3000021	04/01/2019	06	LGS Injection	9000001	1000			1	1002686		
	· · · · · ·	XYZ LDC	10.00.0000	THE				32.16	XYZ LDC			678	3000021
N			12/31/2999	TIMEL Y		XYZ LDC					Carlstadt		

### WSS/WSS-OA (Washington Storage Service)

- Year-round service
- Operated by Transco
- Can have same day injections and withdrawals
- Injections and withdrawals can be made by shippers other than the owner of the WSS contract
- Injections are considered a Zone 3 Delivery and are nominated with fuel
- Withdrawals are considered a Zone 4 Receipt and there is no fuel
- This storage service is releasable.
- If the storage contract holder transports volumes to/from the storage location, 1line will automatically create the injection/withdrawal nomination.
- If a third-party transports volume to the storage location, the storage contract holder must nominate the injection/withdrawal.
  - Injection nominations must specify the upstream contract number and BA ID of the party bringing gas to the storage location
  - Withdrawal nominations must specify the downstream contract number and BA ID of the party taking gas from the storage location
- Excess WSS-OA
  - When nominating excess WSS-OA you will <u>need</u> to include the package ID AOSINJ (injection) or AOSWD (withdrawal). This is a field that was previously unused.
  - Using your own WSS-OA Storage:
    - For excess injection or excess withdrawal, Transportation nomination (TT 01) will need to have the Package ID: AOSINJ or AOSWD
      - AOSINJ = Excess Injections
      - AOSWD = Excess Withdrawal
    - TT 12 and TT 13 NNT will be automatically created when BAID shipper and storage owner are the same.
    - No PDA's or Links allowed need to schedule excess

<ul> <li>Fo</li> <li>Pa</li> <li>TT</li> <li>No</li> </ul>	or excess in ackage ID: / 12 and TT o PDA's or L	jection or exc AOSINJ = TT 1 13 – NNT will .inks allowed	cess withd 2 or AOSV be autom – need to	Irawal, VD = T aticall sched	, Transp T 13 y create lule exce	ortation no ed when B <i>i</i> ess	ominat AID shi	ion ( ppe	TT 01) will n	eed to l	have the r are the s	same.	
Retrieve Nominations												Prese	LEITERS (NOTIONS HEND 4
ilters													OOLLAPSE &
Transaction Type: (           Selections)           01,02,03,04,05,(	use commas for Multiple	* Begin Gas Flow 06/23/2025	Date:		* End Gas Flow 06/23/2025	/ Date:		Svc R	eq Prop:		Svc Req Nam	e	
he Following Filter	rs are Available for Sea	rches/Retrieve Nomination	ns										EXPAND O
Retrieve	Clear B	alance Nomination Quantitie	s:  Yes O No										
Download 🛛	Select All								Grand Total Quant Search successful	ily. Receipt 1370 ly completed. Re	04 / Delivery 13682 cords found: 4		
Nom Status	Retro Status	Svc Req K	Beg Date	Π.	Package ID	Rec Loc			∪рК	Rec Rank	Del Loc		Dn K
Error	Retro Request ID	Svc Req Name	End Date	Cycle 🤶	Route	Rec Loc Name	Rec Qty	Fuel %	Up ID Prop-Name	Del Rank	Del Loc Name	Del Qty	Dn ID Prop-Name
Submitted		1234567	06/23/2025	01	AOSINJ	1006414	2003		12345	120	1100001	2000	1234567
N		CBA Energy	06/23/2025	EVENING		EUNICE		0.16	123456789 -1line energy	120	WASHING		789456-CBA Energy

- Using 3rd-Party WSS-OA Storage:
  - The transporter must submit TT 01 with Package ID: AOSINJ or AOSWD
    - AOSINJ = Excess Injections
    - AOSWD = Excess Withdrawal
  - The storage owner must submit the TT 12 or TT 13 with Package ID AOSINJ or AOSWD.

Submitted N	 7654321 11line energy	06/15/2024 06/15/2024		01 EVENING	AOSINJ	1005046 DURALDE	506	0.25	54321 987654321 - CBA Energy	101	1100001 WASHING	505	9876544 Ø87654 - 1line energy
Submitted	1234567	06/15/2024	-	12	AOSINJ	1100001	505		12345		1002687		54321
N	CBA Energy	06/15/2024		EVENING		WASHING		1.08	123456789 - 1line energ	y 102	WASHING	500	987654321 - CBA Energy

The transporter must submit TT 01 with AOSINJ or AOSWD The storage owner must submit the NNT (TT 12 or TT 13), with AOSINJ or AOSWD.

#### **ESS - Eminence Storage Service**

- Year-round service
- Operated by Transco
- Releasable service
- Can have same day injections and withdrawals.
- No fuel on injection or withdrawal
- The following services offered at this facility (Eminence Storage) require a separate contract:
  - Rate schedule EESWS (Emergency Eminence Storage Withdrawal Service)
  - o Rate schedule EESS (Enhanced Eminence Storage Withdrawal Service)

• If the storage contract holder transports volumes to/from the storage location, 1line will Version 3.0 13 June 27, 2025

automatically create the injection/withdrawal nomination.

- If a third-party transports volumes to the storage location, the storage contract holder must nominate the injection/withdrawal.
  - Injection nominations must specify the upstream contract number and BA ID of

the party bringing gas to the storage location

• Withdrawal nominations must specify the downstream contract number and BA ID of the party taking gas from the storage location

### Example of unbundled Withdrawal (TT 1)

Nominations> Nomination	> Retrieve Nominations											Prese	E Filters
Filters													COLLAPSE
Transaction Type: (us Selections)	e commas for Multiple	* Begin Gas	Flow Date:		* End Gas Flov 06/02/2023	v Date:		Svc R	eq Prop:		Svc Req Nam	ië:	
The Following Filters	are Available for Sea	rches/Retrieve Nomi	nations										OOLLAPSE
Note that fields marked	with "** are available	as wildcard searches.	Use the "%" key befo	ore or after the sear	rch item (e.g., %Ne	om or Nom%). If "%" is	not used, the	search w	III return exact matches	only.			
Svc Req K:	9272999		**Package ID:			Nom Statu	s: [	~			Cycle:	None Selecter	t 🗸
Rec Loc:			**Up ID Prop:			**Up #	C:				Receipt Zone:	[	~
Del Loc:			**Dn ID Prop:			**Dn F	6		In Links		Delivery Zone:	[	~
Retro Nom ID:			Date Submitted:			Retro Statu	s: [	¥			Route:	[	~
Select method for displayin	g retrieved data:			Filter out Zer	ro Qty Nominations			She	w Linles				
Retrieve Download Se	lear lect All								Records succes Grand Total Que	sfully saved with antity. Receipt 500	WIP status ) / Delivery 500		
🗴 Nom Status	Retro Status 🌻	Svc Req K 👙	Beg Date 🚊	тт 💲	Package ID 🗍	Rec Loc			Uр К 🔶	Rec Rank	Del Loc		Dn K 👙
Error	Retro Request ID 🇯	Svc Req Name 🁙	End Date 🍦	Cycle 🌲	Route 🌻	Rec Loc Name 🌷	Rec Qty	Fuel %	Up ID Prop-Name	Del Rank	Del Loc Name 🍦	Del Qty 🤶	Dn ID Prop-Name
WIP		9272999	06/02/2023		ESS	1100002	500		9272979	999	1000065	500	9283789
	7		Land	01		Stranova State							

## Example of unbundled Injection (TT 1)

ortification reaction for	ion> Retrieve Nominations						Preset Filters Actions H
Iters							COLLA
Transaction Type: (	use commas for Multiple	* Begin Gas Flow Date:	* End Gas Flow D	ate:	Svc Req Prop:	Svc Reg Nam	ie:
07	[   Cycle Indicators	06/02/2023	06/02/2023				
e Following Filter	s are Available for Searches	J/Retrieve Nominations					COLLA
te that fields mark	ed with "*" are available as wil	dcard searches. Use the "%" key befor	e or after the search item (e.g., %Nom	or Nom%). If "%" is not used, th	e search will return exact matches on	iy.	
Svc Req	К:	**Package ID:		Nom Status:	×	Cycle:	None Selected V
Rec Le	x:	**Up ID Prop:		**Up K:		Receipt Zone:	v]
Del Le	oc:	**Dn ID Prop:		**Dn K:	In Links	Delivery Zone:	v]
Retro Nom I	D:	Date Submitted:		Retro Status:	~	Route:	×
lect method for displa	ying retrieved data:		Filter out Zero Qty Nominations		Show Links		
	Clear						
Retrieve					Neminations valida	ated with no errors. To submit press th	e submit button
Retrieve	Select All				Grand Total Quanti	ity: Receipt 500 / Delivery 500	Subini Suton,
Retrieve	Select All Retro Status	Vyc Req K 🏮 Beg Date 🏮	TT 🗘 Package ID 🌲	Rec Loc	Grand Total Quanti	Rec Rank Del Loc	Dn K
Retrieve with a second	Select All Retro Status 3 Retro Request ID 5 Sv	Ivc Req K Beg Date Req Name End Date	TT Package ID Cycle Route	Rec Loc Q. Rec Qty	Grand Total Quanti Fuel % Up ID Prop-Name	Ity: Receipt 500 / Delivery 500 Rec Rank Del Loc Del Loc Del Loc Name	Del Qty Dn ID Prop-Nan
Retrieve	Retro Status 3 Retro Request ID 5 927	Voc Req K Beg Date Req Name End Date 2039 m Removement	TT Package ID Cycle Route	Rec Loc 🗘 Rec Loc Name 💲 Rec Qty	Fuel %         Up ID Prop-Name         1	ty: Receipt 500 / Delivery 500 Rec Rank  Del Loc  Del Loc  Del Loc Name	Del Qty Dn ID Prop-Nan

## **Excess Storage Availability**

- 1. Check the Transco Info Postings page under **Pipeline Conditions** for excess storage availability.
- 2. Submit nomination by selecting Navigation > Nominations > Retrieve Nomination.
  - GSS injections are nominated using Transaction Type 12 for injections and Transaction Type 13 for withdrawals
- 3. Results may be viewed from the scheduling pages by Selecting Navigation >

Scheduled Quantity > Review/Select Scheduling Runs.

4. Results may also be viewed after each cycle on the Scheduled Quantity report (SQR).

## Storage Pages – Navigation, Description and View

#### View Storage Balance

- 1. Select Navigation > Flowing Gas > Storage > Inventory Balance
- 2. Select flow date (default is current date), and any other desired filters, then retrieve.

Inventory Balance															
Flowing Gas> Storage	Inventory Balance														ACTIONS HENU -
Filters															COLLAPSE A
	Beginning Flow Date: 06/01/2	023				Service Requester Cont	ract:				Storage R	ate Schedule:		Rate Schedule	
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Note:															
Volumes which are po	sitive reflect storage injection	ons. Negative volur	nes (in parentheses)	reflect stor	age withd	rawals.									

Beginning Flow Time is 9:00 A.M. and Ending Flow Time is 9:00 A.M. of Next Day

- Also, from this page, you can submit a **Storage Adjustment Detail Report**. This report shows details of any PPAs displayed in the Net PPA column.
- 3. Select PPA line on the page and choose Actions > Submit Stg Adj

	ge> Inventory swance													Notional Here
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	Beginning Flow Date:	06/01/2023			Service Requester Cont	tract:				Storage R	ate Schedule:		Rate Schedule	
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	Contact Name/Phone:	Ceith Higginbotham 132152552			Locatio	n ID:				Le	cation Name:			
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Beginning Flow Time is 9:00 A.M. and Ending Flow Time is 9:00 A.M. of Next Day

## **Storage Transfer Summary**

The Storage Transfer Summary page is designed to provide the ability to create transfers between parties within the 1Line system. *Storage quantities are transferred the day prior to the transfer* 

*effective date to ensure balances are available for nominating for the* 1<sup>*st</sup></sup> <i>of the following month. It is important to confirm these storage transfers in order for them to be active.*</sup>

- Flow date current or future day but not more than 15 days into the future
- **Prearranged transfer** the initiating party must know the confirming party's contract number. Confirming party's contract does not have to be posted.
- Non-prearranged transfer the initiating party can choose from a list of storage balances available for transfer, provided that the posted balance is greater than or equal to the amount being transferred.
- **100% option** for transferring the balance can only be applied if the initiating party's direction is W/D (From)

#### **Create Storage Transfer**



1. Select Navigation > Flowing Gas > Storage > Transfer Summary

### 2. Click Retrieve.

#### Version 3.0

## 3. Data table will populate with active tradable storage contracts

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Beginning Flow Time is 9:00 A.M. and Ending Flow Time is 9:00 A.M. of Next Day

### **Create Storage Transfer - Prearranged**

- 1. Select Navigation > Flowing Gas > Storage > Transfer Summary
- 2. Select Retrieve.
- 3. Select data row (of balance to create a transfer to or from) and it will turn yellow.
- 4. Select Actions> Request Transfer.
  - Page is displayed in split screen format.
- 5. Under Transfer Detail in the Initiating Party section, enter Flow Date, Direction W/D (From) Inj (To) and Quantity (or check 100% option).
- 6. Check the Pre-arranged Transfer box.
- 7. Under Confirming Party section, type in appropriate Service Req K, then click on <u>Get</u> <u>Confirm Party Info</u> link to populate the Confirming Party Name/Id
- 8. The Contact Name will default to the first name in list, but you can change to anyone in the drop down.
- 9. Make sure row is selected and under Bottom Actions, select Submit.
- 10. If you are the Confirming Party, select Actions> Confirm.

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### **Confirm Prearranged Storage Transfer**

- 1. Select Navigation > Flowing Gas > Storage > Transfer Summary
- 2. Select Retrieve.
- 3. Select data row of desired transfer contract and it will turn yellow.
- 4. Right click > View Transfers
- 5. Select > Confirm

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## Create Self Storage Transfer

1. Select Navigation > Flowing Gas > Storage > Transfer Summary

- 2. Select Retrieve.
- 3. Select data row (of balance to create a transfer to or from) and it will turn yellow.
- 4. Select Actions> Request Transfer.
  - Page is displayed in split screen format.
- 5. Under Transfer Detail in the Initiating Party section, enter Flow Date, Direction W/D (From) Inj (To) and Quantity (or check 100% option).
- 6. Check the Pre-arranged Transfer box.
- Under Confirming Party section, type in your Service Req K, then click on <u>Get Confirm</u> <u>Party Info</u> link to populate the Confirming Party Name/Id
- 8. The Contact Name will default to the first name in list, but you can change to anyone in the drop down.
- 9. Make sure row is selected and under **Bottom Actions**, select **Self Transfer Submit/Confirm**.

## Create Storage Transfer – Non Prearranged

- 1. Select Navigation > Flowing Gas > Storage > Transfer Summary
- 2. Select data row (of balance to create a transfer to or from) and it will turn yellow.
- 3. Select Action Request Transfer.
  - Page displayed with initiating balance in a split screen format.
- Under Transfer Detail Section, enter Flow Date, Direction (W/D (From) or Inj (To)), Quantity and Prearranged Transfer indicator not checked (Prearranged default = checked (yes)).
- 5. Select the <u>Get Confirm Party Info</u> box to populate the Confirming Party contact information.
  - The Posted Storage Balance page is displayed.
- 6. Select the Confirming Party and appropriate contract.
- 7. Select OK.
- 8. Select the row then under Transfer Detail Section, select **Save, Submit, add comments, etc**.

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## **Posting Storage Balances**

- 1. Select Navigation > Flowing Gas > Storage > Transfer Summary
- 2. Select row and it will turn yellow.
- 3. Update the Effective Date and the Storage Withdrawal or Injection to be posted.
- 4. Make sure row is selected and select Actions> Post/Unpost Balance.
- 5. You can post or un-post Storage activity from this action.

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## **Viewing Posted Storage Balances**

- 1. Select Navigation > Flowing Gas > Storage >Posted Storage Balances
- 2. Select Retrieve to view Posted Storage Balances

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## **Available Storage Reports**

**Detail Inventory Balance** - provides a detail view of the storage location balance by contract.

Excess Storage Report - also available in data file.

**Inventory – Month to Date** - provides a quick look at activity for all storage contracts including the ending balance.

Storage Adjustment Details - displays source of adjustments including linked transactions.

**Storage Contract Limits** - displays storage contracts that have ratchets; includes ratchet levels and quantities.

Storage Statement - also available as a data file.

**Storage Transfer** - provides a list of storage transfers by BA for a day or range of days where the BA is either the initiating or confirming party on the transfer(s).

**Unbundled Storage Activity Report** - summary and detailed view of storage activity at unbundled storage locations by BA/Contract. Also available as a data file.

## **Storage Glossary**

Adjusted MDIQ: MDIQ adjusted for capacity release quantities.

Adjusted MDWQ: MDWQ adjusted for capacity release quantities.

Adjusted MSQ: MSQ adjusted for capacity release quantities.

**Adjustment Quantity:** The quantity applied to adjust the storage inventory at a storage location.

**AOSINJ =** Excess Injections

AOSWD = Excess Withdrawal

**Deliverability:** The amount of gas that can be delivered (withdrawn) from a storage facility on a daily basis.

**Injection Capacity (or Rate):** The amount of gas that can be injected into storage facility on a daily basis.

**MDIQ:** Maximum Daily Injection Quantity

MDWQ: Maximum Daily Withdrawal Quantity

**MSQ**: Maximum Storage Quantity

Net Activity: Net injections minus gross withdrawals.

Net Trade: In-field transfer activity.

Net Adj (Adjustment): Current month and prior month adjustments.

**Ratchets**: Reduced levels of allowed injections or withdrawals which correspond to the physical capabilities. Ratchets are applied at a customer level based on the time of the year as well as the individual customer storage balance for a particular service. Each storage service has its own set of ratchets.

**SMG**: Storage Management Gas

## **Monthly Verification of Storage Balances**

Once storage balances are final for a month, 1Line will generate and send an e-mail confirmation to customers with storage contracts. E-mail content will include the storage rate schedule, contract, the beginning and ending balances for the flow month, and a designated response date. E-mail notifications will be sent to customer representatives assigned to the Storage View role.

Storage customers will be asked to reply to <u>Leslie.Milner@williams.com</u> and copy their assigned Commercial Service Representative.

Noted differences on the Storage Balances Confirmation will need to be retroactively resolved with your assigned Commercial Services Representative.