LINK Supply Training

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LINK Supply Training

Agenda

- ➢ Overview
- ➢ Pre-Determined Allocations
- ➢ Measurement
- ➢ Allocations
- ➢ Supply Shipper Imbalances
- ➢ Reports
- ➢ Training Environment
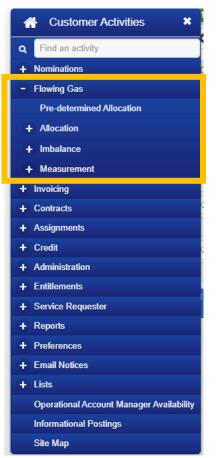- ➢ Q & A

LINK Supply Training

Overview

- Nominations are REQUIRED first, in order to receive an allocation.

- Receipt Point Operators will set up the month with a Pre-Determined Allocation (PDA) method.

- Gas Day in Progress: Allocation calculated based on projected measurements and PDA method.

- Completed Gas Day: PDA Method may be changed to Value Scheme and overwritten with hard values.

- Measurement reporting is available to Operators. Allocated Quantities = Measured Quantities.

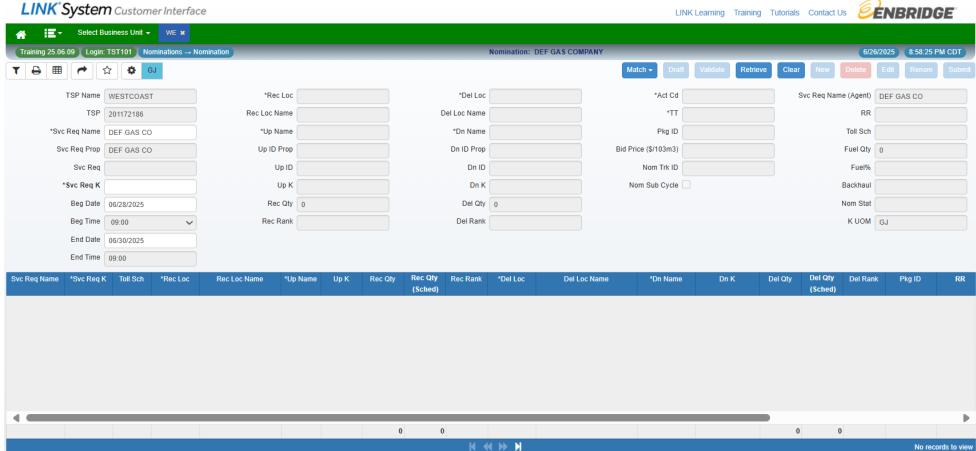- Shipper Imbalances = Del Qty – Rec Qty = Sched Qty – Alloc Qty

| Nominations | → | Allocations | → | Imbalances |

LINK Intro

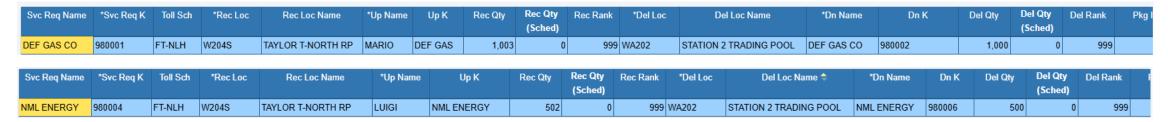## Customer Activities & Screen Basics

Supply Nominations

Nominations from the Receipt Points being allocated to *MUST* exist first in the system in order for the RPO to be able to allocate to the nominating Shipper.

To facilitate looking at Allocations and Supply Shipper Imbalances, the following nominations have been set up:

Svc Req Name	*Svc Req K	Toll Sch	*Rec Loc	Rec Loc Name	*Up Name	Up K	Rec Qty	Rec Qty (Sched)	Rec Rank	*Del Loc	Del Loc Name	*Dn Name	Dn K	Del Qty	Del Qty (Sched)	Del Rank	Pkg
DEF GAS CO	980001	FT-NLH	W204S	TAYLOR T-NORTH RP	MARIO	DEF GAS	1,003	0	999	WA202	STATION 2 TRADING POOL	DEF GAS CO	980002	1,000	0	999	

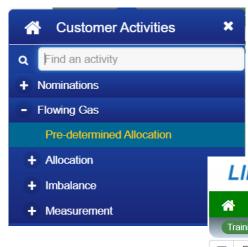| Svc Req Name	*Svc Req K	Toll Sch	*Rec Loc	Rec Loc Name	*Up Name	Up K	Rec Qty	Rec Qty (Sched)	Rec Rank	*Del Loc	Del Loc Name ⇕	*Dn Name	Dn K	Del Qty	Del Qty (Sched)	Del Rank	
NML ENERGY	980004	FT-NLH	W204S	TAYLOR T-NORTH RP	LUIGI	NML ENERGY	502	0	999	WA202	STATION 2 TRADING POOL	NML ENERGY	980006	500	0	999	

Where:
- DEF GAS CO is the Operator of Receipt Location W204S
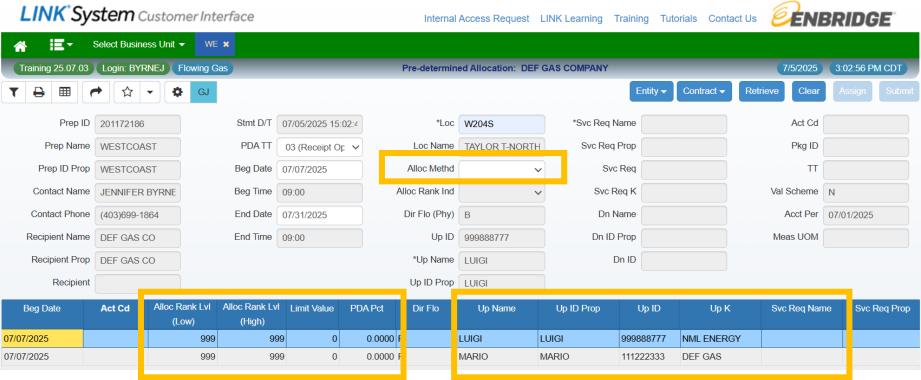- Both DEF GAS CO and NML ENERGY are nominating gas from Receipt Location W204S

Notes:
- Nominations must be Confirmed in order to be scheduled – this includes confirmation from Receipt Point Operators. Westcoast will work with Receipt Point Operators to set up Auto-Confirmations.
- Westcoast has the ability to set an Upper Limit on a nomination in LINK; this is the same functionality as the current Account Availability.
- Please sign up for a Nominations Training session to learn more about Nominations & Confirmations.

Pre-Determined Allocations
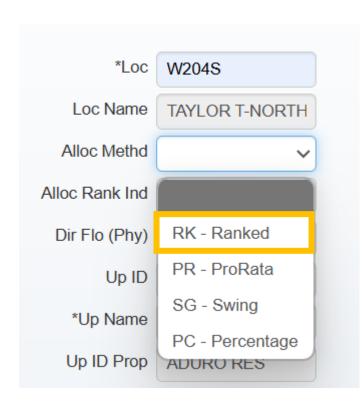
Allocation Method

- RPO's use the Pre-Determined Allocation screen to select an Allocation Method for measured quantities at the receipt point.

- Editable columns vary depending on the Alloc Methd selected.

- Only the Up Name/Up K is available to the Operator in the PDA screen.

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Pre-Determined Allocations

Allocation Method: Ranked

This method will allocate to the highest ranked (lowest numbered) record first, by *matching the allocated quantity to the scheduled quantity* then moving to the next ranked Shipper.

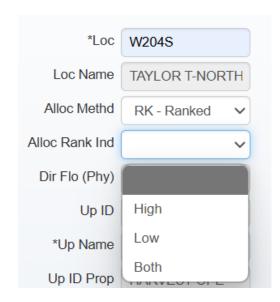Shippers with the same rank will be allocated on a pro-rata basis.

When Ranked is selected an Alloc Rank Ind must also be selected.

High applies to rank if measured quantities are *higher* than scheduled quantities.

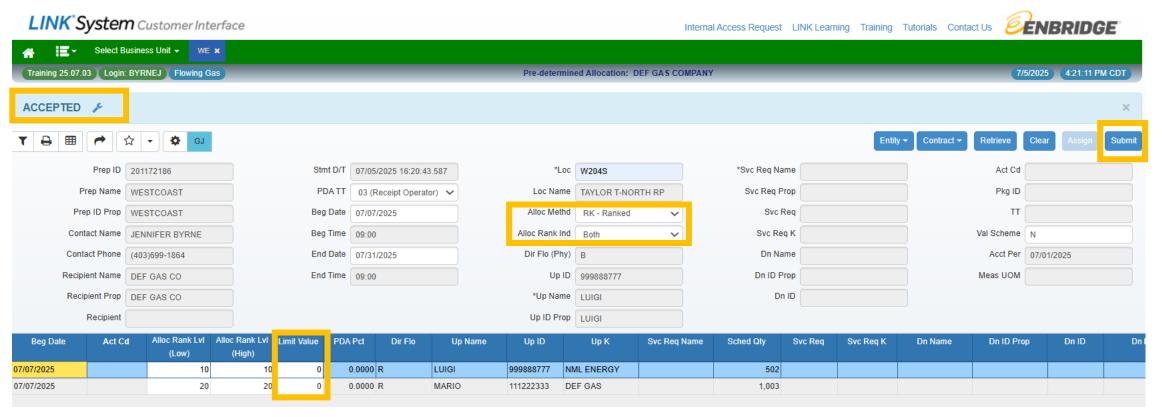Low applies to rank if measured quantities are *lower* than nominated volumes.

Ranks must be > 0 and < 900 or you will receive an error.

Select Both to enter only High or Low and apply the same value to the other.

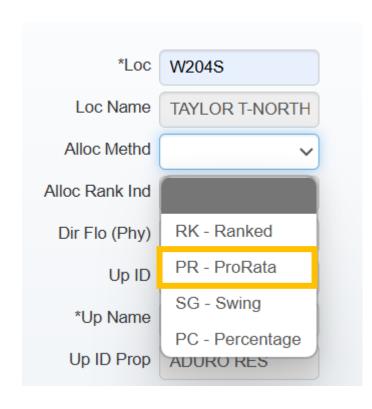# Pre-Determined Allocations

Allocation Method: Ranked

The Limit Value, if entered, is the maximum amount *over* a Scheduled Quantity that can be allocated to that Shipper.

After ranks have been entered, click on Submit; you will get a pop-up warning to check your beg/end dates, and an Accepted banner will appear at the top. If there is an error it will appear in the same place in a red banner.

Pre-Determined Allocations

Allocation Method: ProRata

If no Allocation Method is chosen, LINK will calculate allocations on a pro-rata basis based on scheduled quantities.

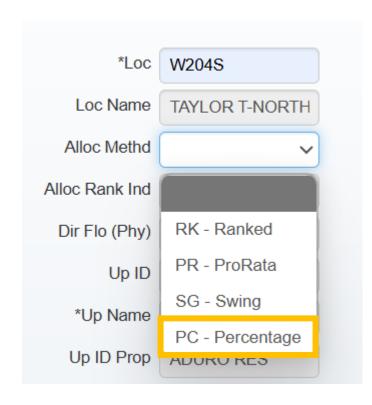If Pro-Rata is selected, you must click on the Assign button first, and then Submit.

When Pro-Rata is selected and assigned, both Alloc Rank Lvl columns are changed to 10, and the following columns are greyed out and are not editable:

Alloc Rank Lvl (Low)	Alloc Rank Lvl (High)	Limit Value	PDA Pct
10	10	0	0.0000
10	10	0	0.0000

Pre-Determined Allocations

Allocation Method: Percentage

This method will calculate measured volumes to the Shippers based on the percentage assigned to them by the Operator. Scheduled quantities do not play a role in this allocation.
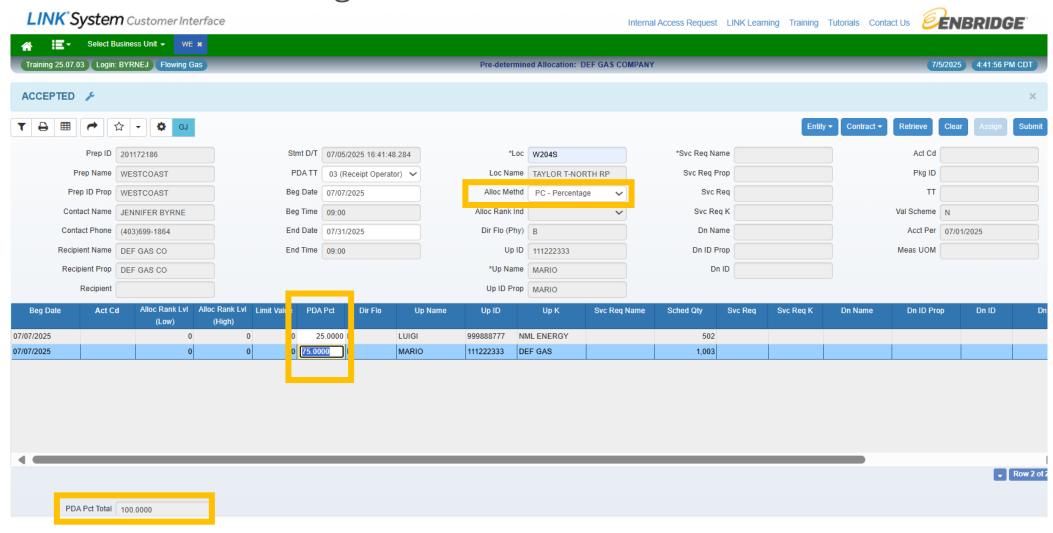
The PDA Pct column *must* equal to 100% or an error will be generated and you will not be able to Submit.

When Percentage is selected, the PDA Pct column is available to edit.

Beg Date	Act Cd	Alloc Rank Lvl (Low)	Alloc Rank Lvl (High)	Limit Value	PDA Pct
07/01/2025		0	0	0	0.0000
07/01/2025		0	0	0	0.0000

Pre-Determined Allocations

Allocation Method: Percentage

Pre-Determined Allocations

Allocation Method: Swing

The Swing allocation method is only used for Operators holding an OBA. This only applies to:

- Operators of bi-directional interconnecting pipelines
- Operators of delivery points.

This Allocation method allows the Operator to direct measured volumes above nominations to their OBA contract.

Pre-Determined Allocations
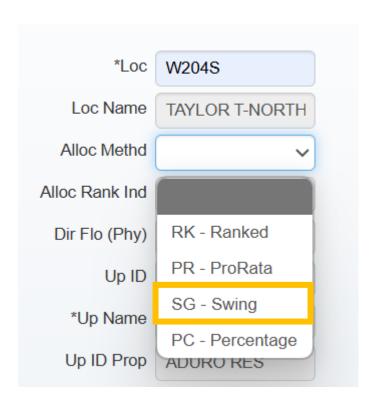
Value Scheme

All Allocation Methods provide direction for *calculated* allocations. Allocations are calculated once measurements start coming in for a gas day.

After the gas day has closed, RPO's may use the Value Scheme to overwrite allocated quantities with hard numbers once final measurements for the Gas Day have been received (~1hr after Gas Day close).

Selecting the Ranked Method (any Rank Ind) enables you to edit the Val Scheme field. Change the Value Scheme field to Y.
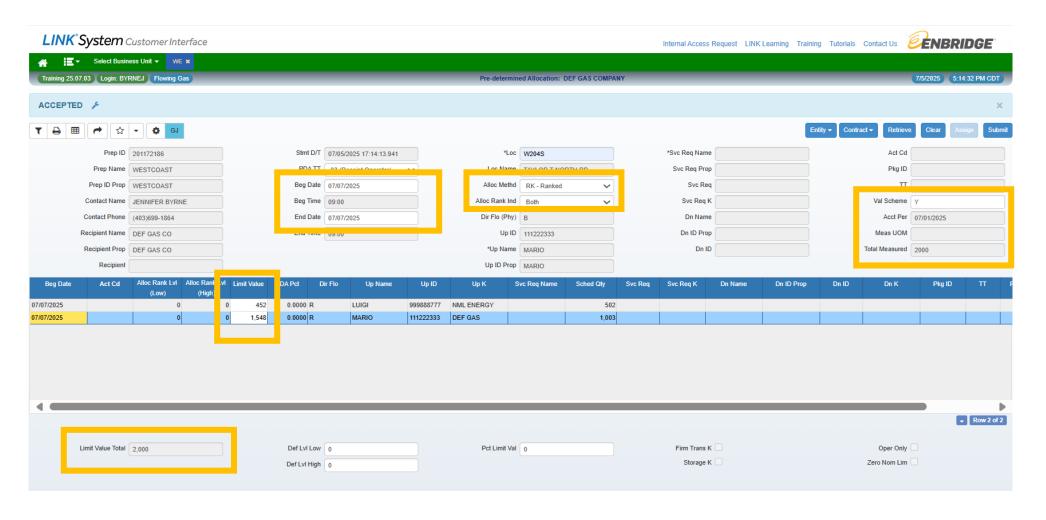
The Limit Value column will now be available to edit; hard number allocations are entered here for each Shipper line.

The Limit Value column total must equal the final measured volumes for the day or you will receive an error and will not be able to submit.

Be sure to make sure the Beg and End dates are just for the one date that this measurement applies for. If you try to apply a Value Scheme to a future date you will receive an error, as final measured quantities for the day must be received for a Value Scheme to be applied.

Pre-Determined Allocations
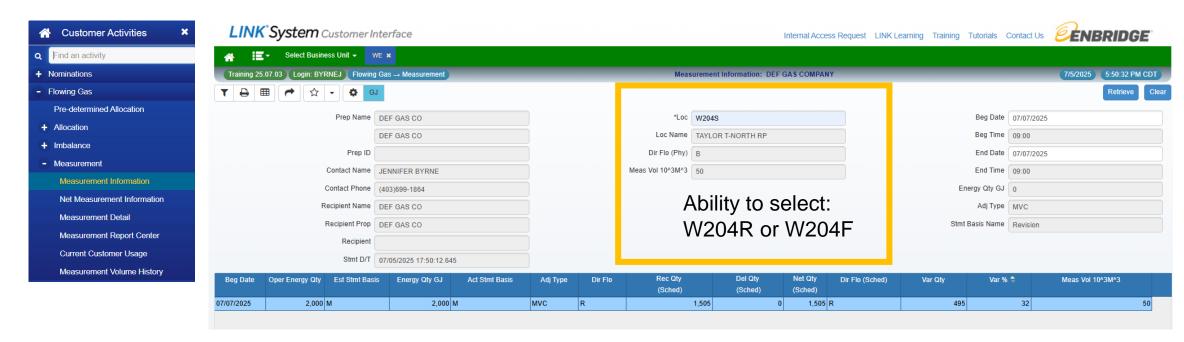
Value Scheme

Measurement

Measurement Information

All Supply points have been set up as bi-directional where WXXXS is the net of WXXXR – WXXXF, where:

    R = Receipt onto Westcoast

    F = Fuel from Westcoast
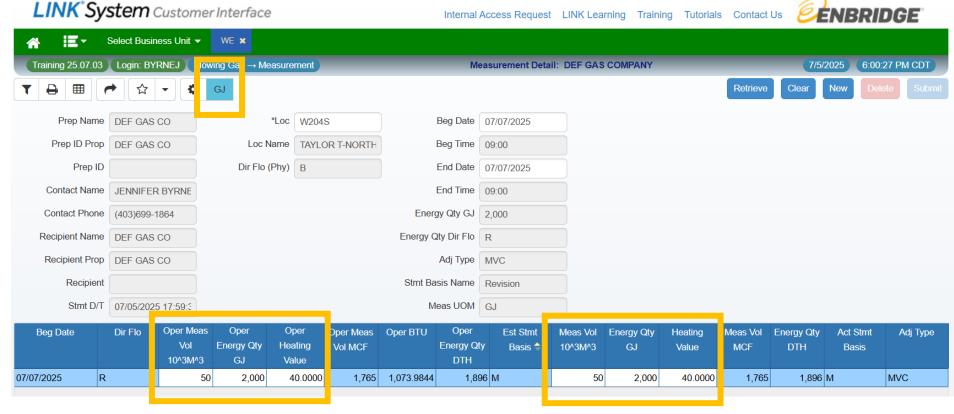
Code References:

    M = Final Measurement

    MVC = Measurement Volume Change

Measurement
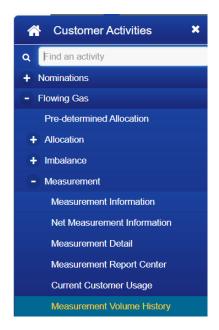
Measurement Detail

Measurement
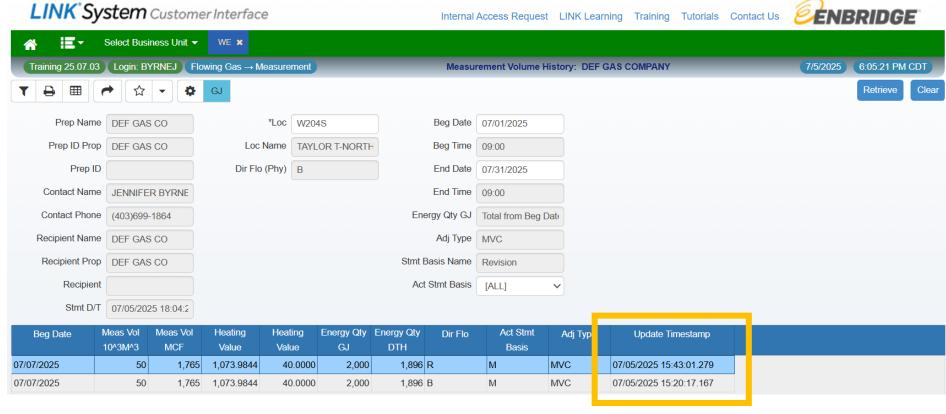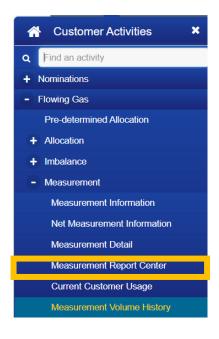
Measurement Volume History

Measurement
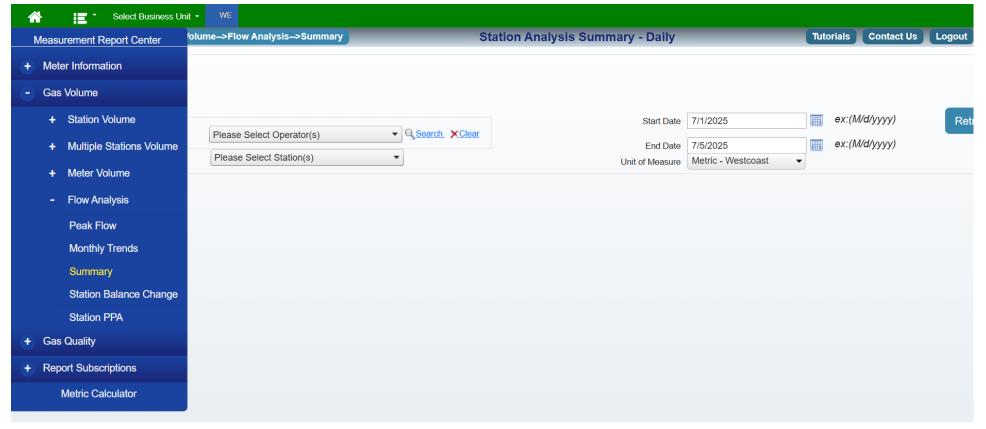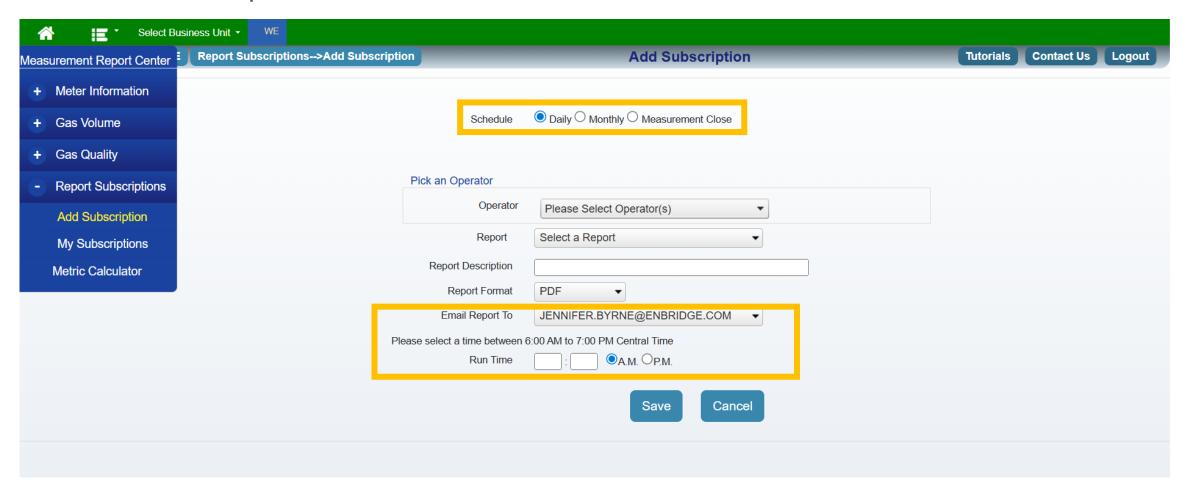
Measurement Report Center

Measurement
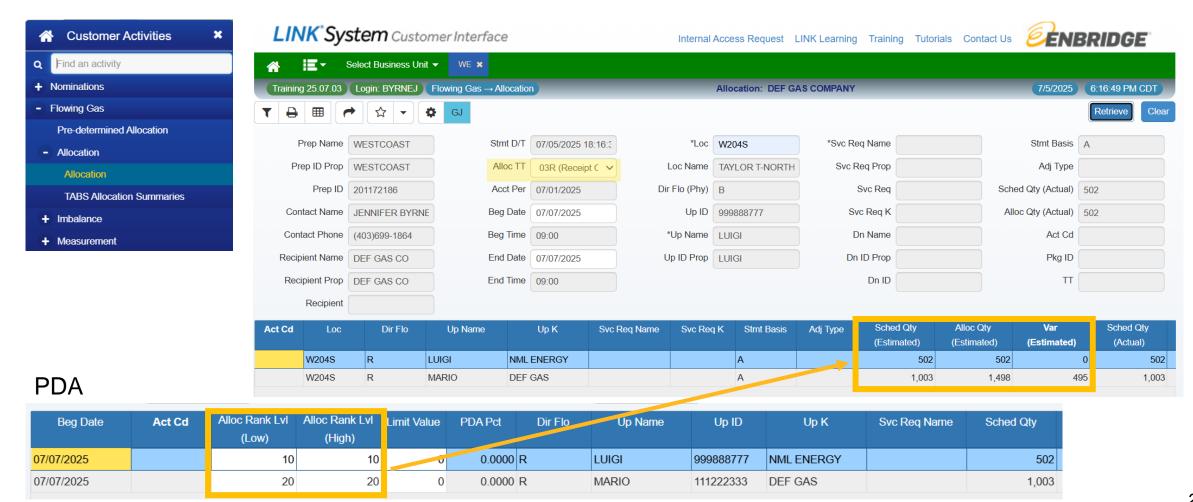
Measurement Report Center

Allocations

Allocation Method: Ranked

PDA

Allocations

Allocation Method: ProRata

2000/1505 = 133%

502 x 133% = 667

1003 x 133% = 1333

Customer Activities

- Nominations
- Flowing Gas
  - Pre-determined Allocation
  - Allocation
    - Allocation
  - TABS Allocation Summaries
- Imbalance
- Measurement

LINK System Customer Interface

Internal Access Request   LINK Learning   Training   Tutorials   Contact Us

Select Business Unit   WE

Training 25.07.03 | Login: BYRNEJ | Flowing Gas → Allocation   Allocation: DEF GAS COMPANY   7/5/2025   6:24:10 PM CDT

Retrieve   Clear

| Field	Value	Field	Value	Field	Value	Field	Value
Prep Name	WESTCOAST	Stmt D/T	07/05/2025 18:23:5	*Loc	W204S	*Svc Req Name		Stmt Basis	A
Prep ID Prop	WESTCOAST	Alloc TT	03R (Receipt C	Loc Name	TAYLOR T-NORTH	Svc Req Prop		Adj Type	
Prep ID	201172186	Acct Per	07/01/2025	Dir Flo (Phy)	B	Svc Req		Sched Qty (Actual)	502
Contact Name	JENNIFER BYRNE	Beg Date	07/07/2025	Up ID	999888777	Svc Req K		Alloc Qty (Actual)	667
Contact Phone	(403)699-1864	Beg Time	09:00	*Up Name	LUIGI	Dn Name		Act Cd	
Recipient Name	DEF GAS CO	End Date	07/07/2025	Up ID Prop	LUIGI	Dn ID Prop		Pkg ID	
Recipient Prop	DEF GAS CO	End Time	09:00			Dn ID		TT	
Recipient									

Act Cd	Loc	Dir Flo	Up Name	Up K	Svc Req Name	Svc Req K	Stmt Basis	Adj Type	Sched Qty (Estimated)	Alloc Qty (Estimated)	Var (Estimated)	Sched Qty (Actual)
	W204S	R	LUIGI	NML ENERGY			A		502	667	165	502
	W204S	R	MARIO	DEF GAS			A		1,003	1,333	330	1,003

Row 1 of 2

Total	Sched Qty	Alloc Qty	Var Qty
Est Stmt Basis	1,505	2,000	495
Act Stmt Basis	1,505	2,000	495

Allocations

Allocation Method: Percentage

Allocations

Allocation Method: Value Scheme

Allocations

Receipt Shipper: Allocation
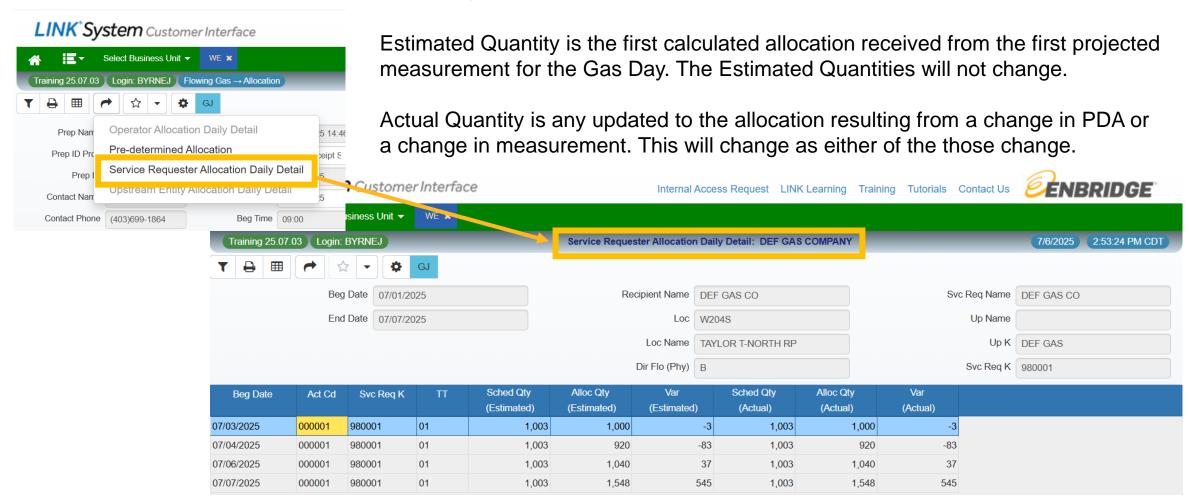
Alloc TT: Receipt Shipper will show the Shipper (Svc Req Name) the *total* Scheduled Quantity and Allocated Quantity for the date range selected in the Beg Date and End Date fields.

To see allocations by day, click on the shortcut arrow and select Service Requester Allocation Daily Detail

Allocations

Service Requester Allocation Daily Detail

Estimated Quantity is the first calculated allocation received from the first projected measurement for the Gas Day. The Estimated Quantities will not change.
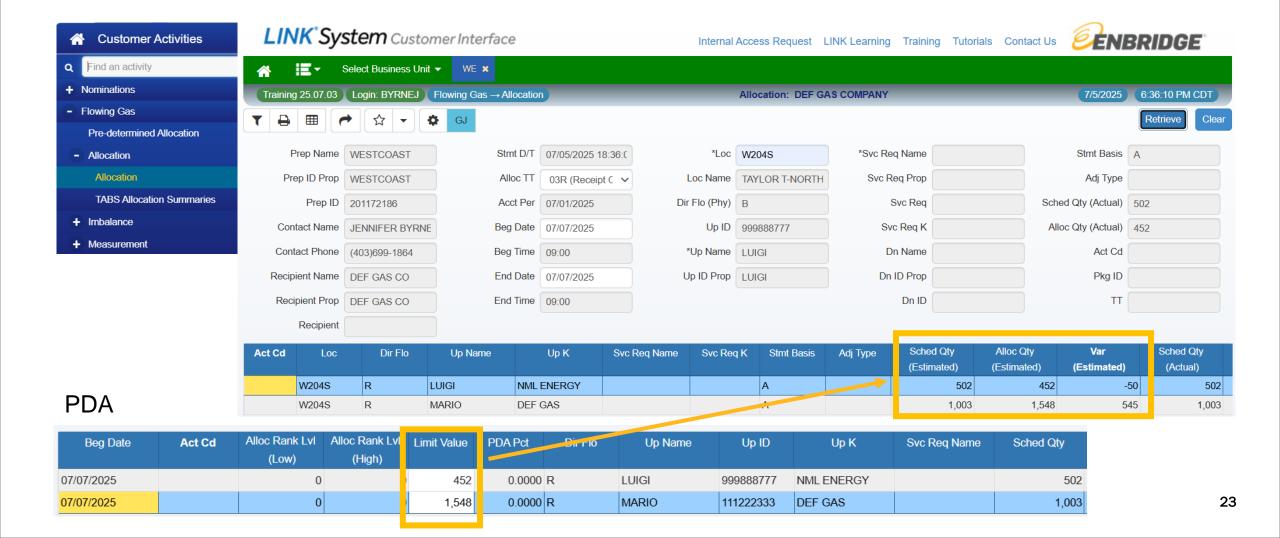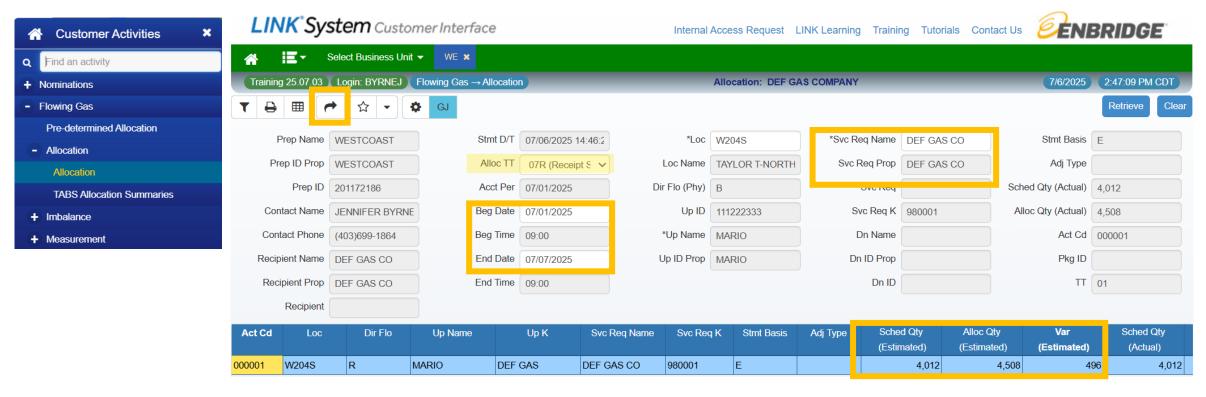
Actual Quantity is any updated to the allocation resulting from a change in PDA or a change in measurement. This will change as either of the those change.

Beg Date	Act Cd	Svc Req K	TT	Sched Qty (Estimated)	Alloc Qty (Estimated)	Var (Estimated)	Sched Qty (Actual)	Alloc Qty (Actual)	Var (Actual)
07/03/2025	000001	980001	01	1,003	1,000	-3	1,003	1,000	-3
07/04/2025	000001	980001	01	1,003	920	-83	1,003	920	-83
07/06/2025	000001	980001	01	1,003	1,040	37	1,003	1,040	37
07/07/2025	000001	980001	01	1,003	1,548	545	1,003	1,548	545

Allocations

Timelines

Time (MT)	Sept. 2		GD + 3 Business Days
8:00am	GD 2 Begins	GD1 Ends	
9:00am	GD 2 Projected Measurements hourly receipt begins.	GD1 Final Measurements received. RPO may change PDA for GD1 to Value Scheme.	
2:00pm		Deadline for GD1 PDA changes.	
10:59pm			RPO is able to retro-actively adjust PDA's until the end of the third business day (11:59pm CCT) following the GD.

Note: Any changes to measurement or PDA's will impact a shipper's imbalance immediately.

Supply Shipper Imbalances

Overview

Supply Shipper Imbalance = Scheduled Qty (Del) – Allocated Qty (Rec)
- If Del > Rec, then Imbalance is *positive*. LINK refers to this as "Due Pipeline."
- If Rec > Del, then Imbalance is *negative*. LINK refers to this as "Due Shipper."

Supply Shipper Tolerance Range = Daily Avg of Last 4 Days Aggregate Allocations x 8%

EXAMPLE:

Supply Shipper Tolerance Range for June 21
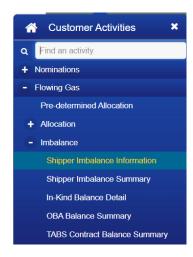
For Shipper 1 = 7,459 x 8% = +/- 597 GJ

For Shipper 2 = 88,251 x 8% = +/- 7,060 GJ

Gas Day	Shipper 1 Allocations	Shipper 2 Allocations
June 20, 2025	7,894	95,336
June 19, 2025	6,455	102,561
June 18, 2025	7,386	98,875
June 17, 2025	8,102	56,233
Total	29,837	353,005
Average	7,459	88,251

Supply Shipper Imbalances

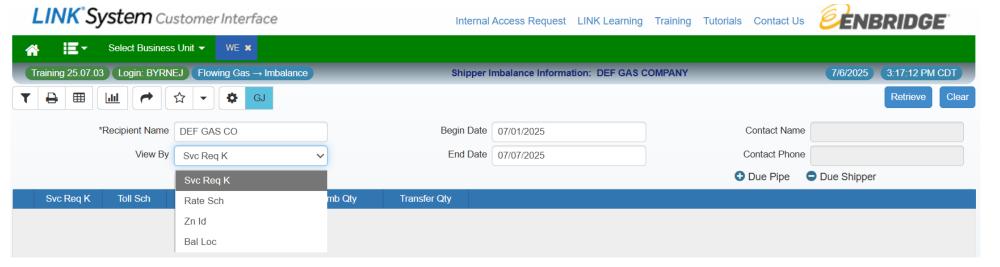## Shipper Imbalance Information Screen

There are 4 different ways to View the Shipper Imbalance Information Screen:
1. Svc Req K – Shows Totals by Svc Req K (Contract)
2. Rate Sch – Shows Totals by Toll Schedule (Service Type, i.e.. FT-NLH)
3. Zn Id – Shows Totals by Zone (i.e.. TN and TS)
4. Bal Loc – Shows Totals by Location ID
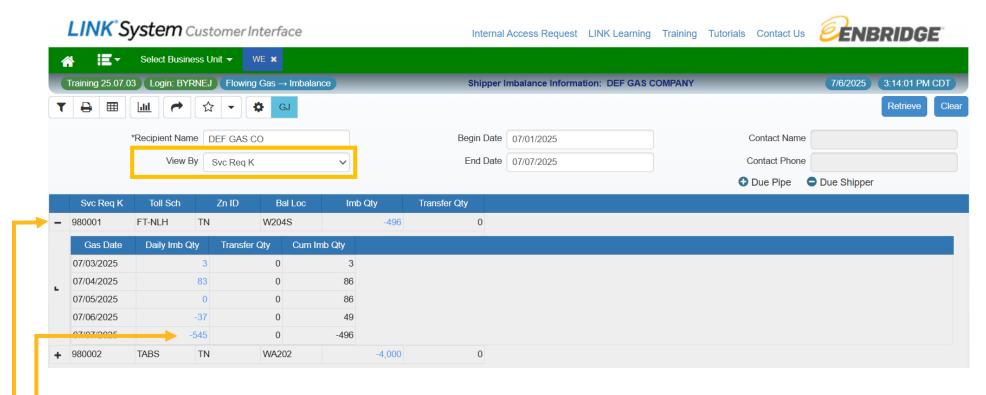
Populated fields are dependent on the View By option chosen.

Supply Shipper Imbalances

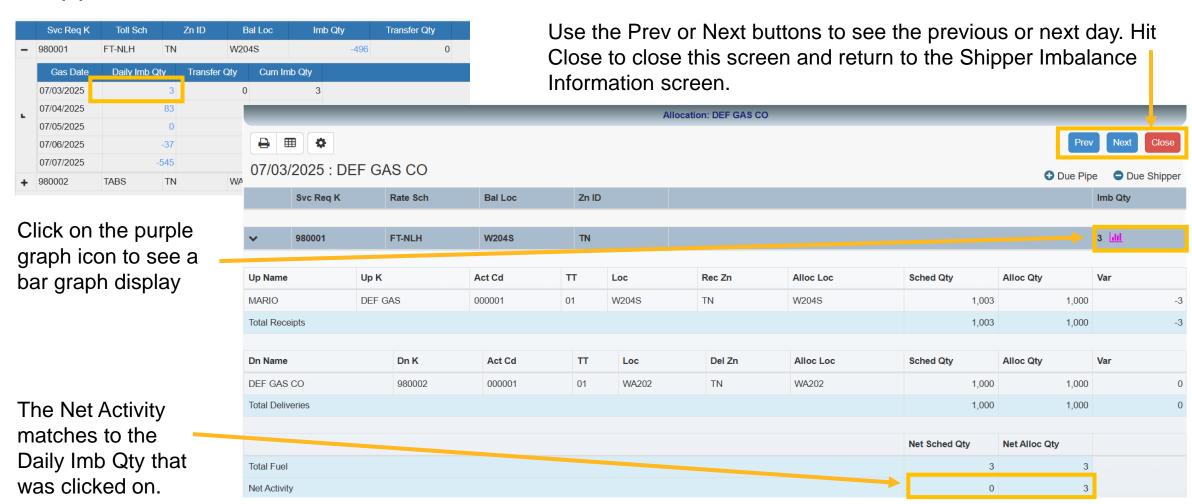## Shipper Imbalance Information Screen

In this view the rows are grouped by Contract (Svc Req K), and also include the Toll Sch, Zn ID, Bal Loc, and the Imb Qty as of the End Date selected.

Click on the plus sign beside the Svc Req K field to expand and see daily details.

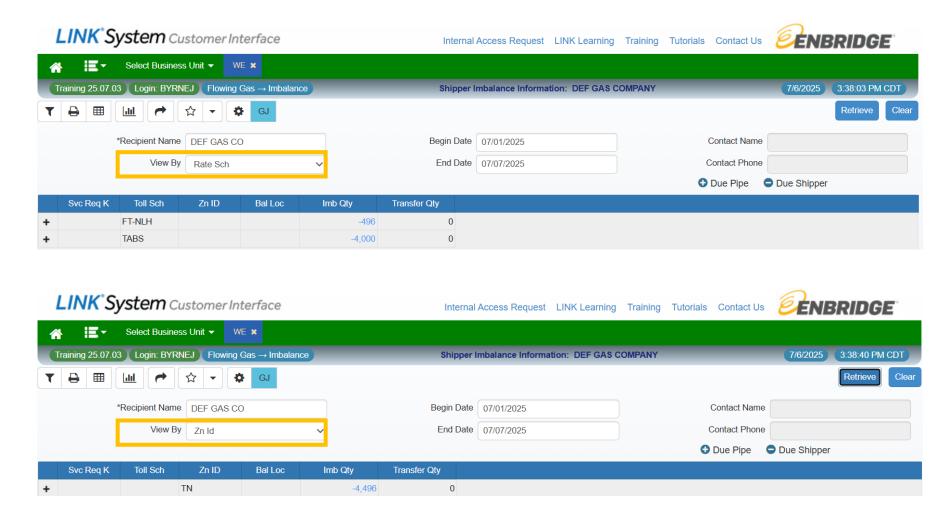Click on any of the blue Imbalance Quantities to open a details screen.

Supply Shipper Imbalances

Shipper Imbalance Information Screen

Svc Req K	Toll Sch	Zn ID	Bal Loc	Imb Qty	Transfer Qty
− 980001	FT-NLH	TN	W204S	-496	0

Gas Date	Daily Imb Qty	Transfer Qty	Cum Imb Qty
07/03/2025	3	0	3
07/04/2025	83		
07/05/2025	0		
07/06/2025	-37		
07/07/2025	-545		
+ 980002	TABS	TN	WA

Use the Prev or Next buttons to see the previous or next day. Hit Close to close this screen and return to the Shipper Imbalance Information screen.

Click on the purple graph icon to see a bar graph display

The Net Activity matches to the Daily Imb Qty that was clicked on.

Allocation: DEF GAS CO

[Prev] [Next] [Close]

07/03/2025 : DEF GAS CO

⊕ Due Pipe   ⊖ Due Shipper

Svc Req K	Rate Sch	Bal Loc	Zn ID		Imb Qty
⌄ 980001	FT-NLH	W204S	TN		3 📊

Up Name	Up K	Act Cd	TT	Loc	Rec Zn	Alloc Loc	Sched Qty	Alloc Qty	Var
MARIO	DEF GAS	000001	01	W204S	TN	W204S	1,003	1,000	-3
Total Receipts							1,003	1,000	-3

Dn Name	Dn K	Act Cd	TT	Loc	Del Zn	Alloc Loc	Sched Qty	Alloc Qty	Var
DEF GAS CO	980002	000001	01	WA202	TN	WA202	1,000	1,000	0
Total Deliveries							1,000	1,000	0

		Net Sched Qty	Net Alloc Qty	
Total Fuel		3	3	
Net Activity		0	3	

Supply Shipper Imbalances

Shipper Imbalance Information Screen

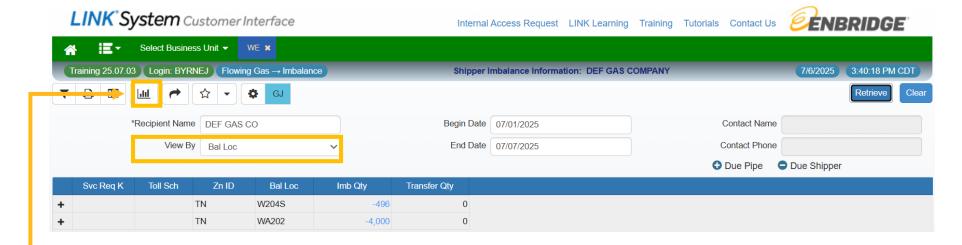# Supply Shipper Imbalances
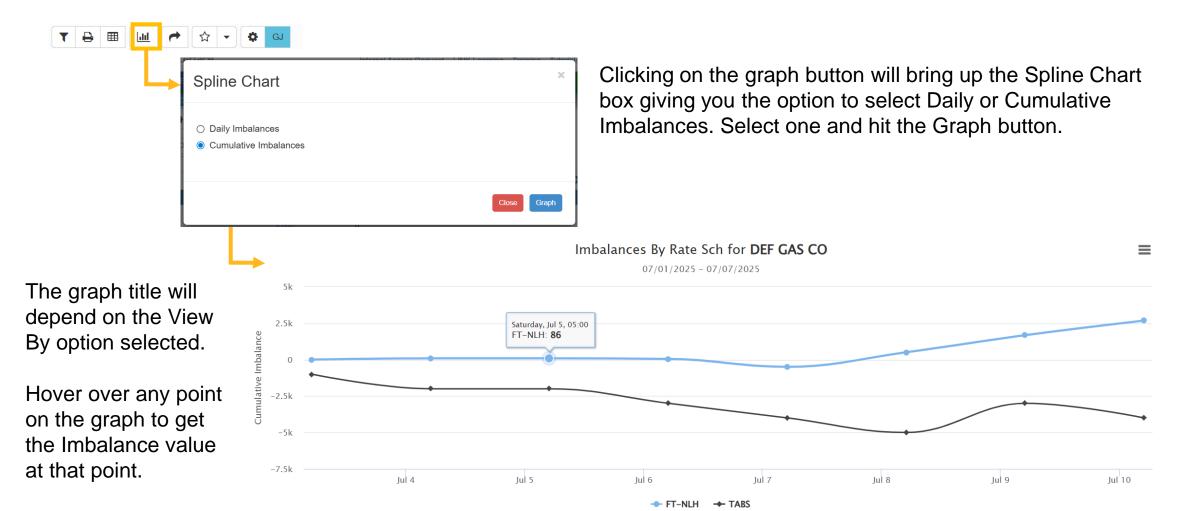
Shipper Imbalance Information Screen

For each View By option you can see how the main lines display different but regardless of view, there is always the ability to:

- Expand the summary line for daily detail
- Click on the Imb Qty hyperlink to bring up further details.

Note there is also a graph button available in the Shipper Imbalance Information screen.
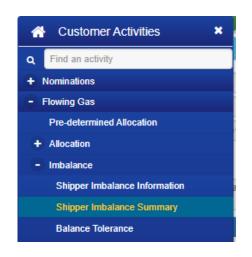
Supply Shipper Imbalances

Shipper Imbalance Information Screen

Clicking on the graph button will bring up the Spline Chart box giving you the option to select Daily or Cumulative Imbalances. Select one and hit the Graph button.

The graph title will depend on the View By option selected.

Hover over any point on the graph to get the Imbalance value at that point.
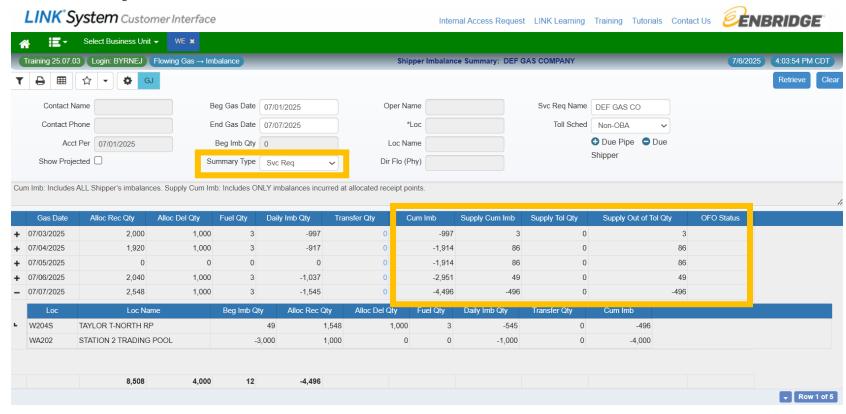
Supply Shipper Imbalances
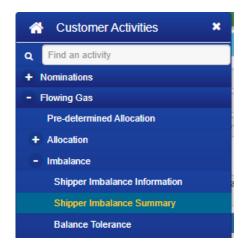
Shipper Imbalance Summary Screen

- Expand to see details by Gas Date.
- Cum Imb = Receipt Point (Supply) imbalances + TAB Location imbalances
- Supply Cum Imb = Receipt Point (Supply) imbalances only

- Supply Tol Qty = Calculated Supply Tolerance range of 8% in GJ
- Supply Out of Tol Qty = If Supply Cum Imb > Supply Tol Qty, then Supply Cum Imb – Supply Tol Qty
- OFO Status = Will include a Y indicator if the Shipper is in OFO on that Gas Day.
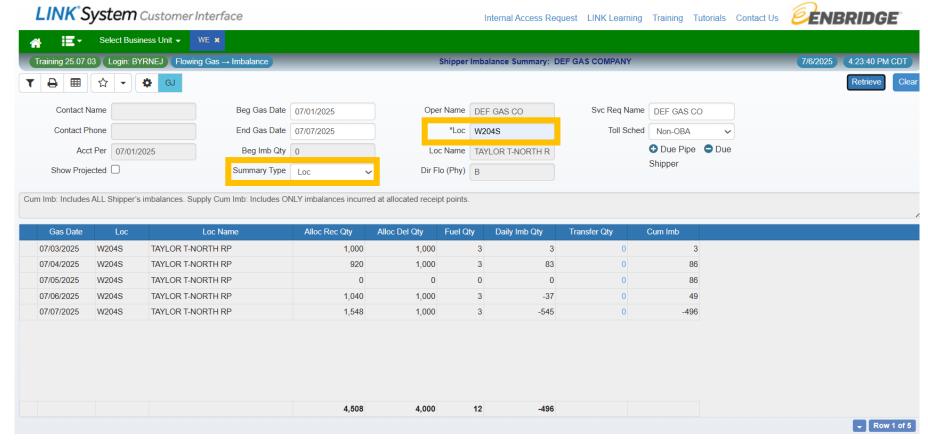
Supply Shipper Imbalances

Shipper Imbalance Summary Screen

Choosing the Loc Summary Type, you will have the option to specify a Location.
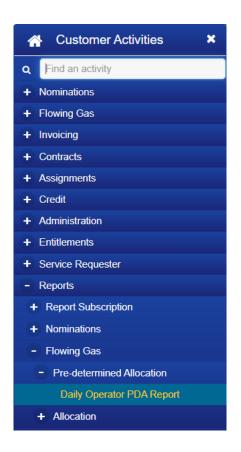
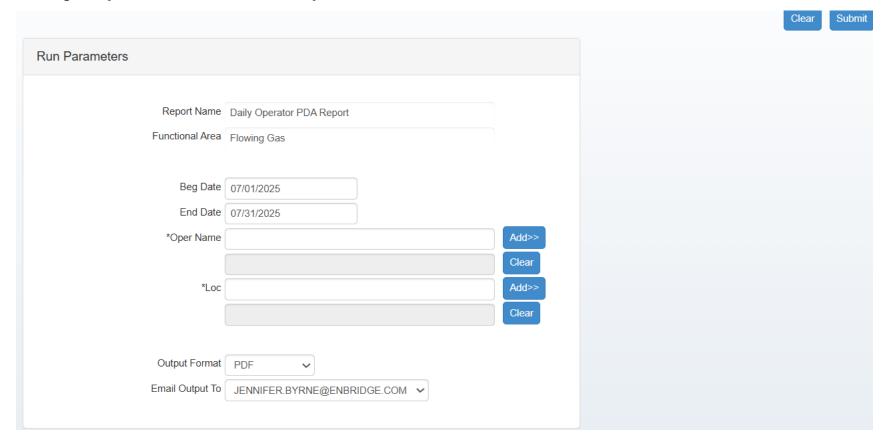If no location is selected it will display for all Loc types.

This Summary Type does not include Supply Tolerance information.

Reports

Receipt Operator: Daily Operator PDA Report

Select EITHER the Oper Name or Loc, but not both. If you'd like to see all locations, enter Oper Name. If you'd only like to see specific locations, select Loc (you may Add multiple locations here).

Allocations

Receipt Operator: Daily Operator PDA Report

- The left-hand side shows the PDA method used.

- The right-hand side shows the Estimated and Actual quantities where:
  - Estimated is the first Allocation calculated from the first measurement that came in for the Gas Day.
  - Actual is any re-calculated allocation due to a change in measurement or PDA.

  If there is no change, then Actual will equal Estimated

- Totals are located at the bottom of the last page of the report.

Link System
Run Date: 07/06/2025
Run Time: 16:38

Westcoast Energy Inc
Daily Operator PDA Report
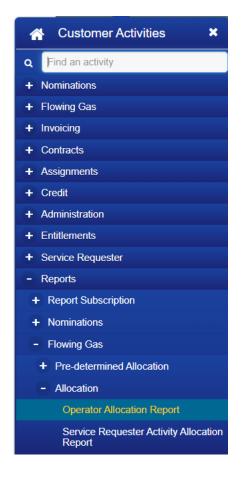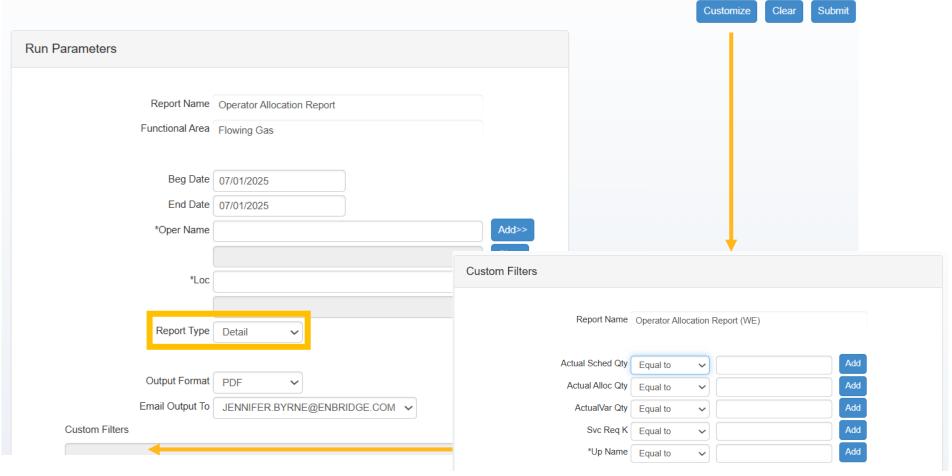
ENBRIDGE
Page 1 of 1

Beg Date: 07/01/2025 End Date: 07/07/2025 Oper Name: [All] Loc: W204S

Loc Operator Name:	DEF GAS CO	Contact Name:	TRAINING TST101	Analyst Name:	JENNIFER BYRNE
Loc:	W204S	Phone Number:	713-281-1111	Phone Number:	(403)699-1864
Loc Name:	TAYLOR T-NORTH RP	Fax Number:	713-281-2222	After 5PM Nbr:	713-627-5058
Dir Flo:	B			Fax Number:	

| Dir Flo	Svc Req K/ Up K	Rate Sch	Svc Req Name/Up Name	Alloc Rank Lvl (Low)	Alloc Rank Lvl (High)	Limit Value (Low)	Limit Value (High)	PDA Pct	Estimated Sched Qty	Estimated Alloc Qty	Estimated Var Qty	Actual Sched Qty	Actual Alloc Qty	Actual Var Qty
07/03/2025														
R	DEF GAS		MARIO	10	10	0	0	0.0000	1,003	1,000	-3	1,003	1,000	-3
								Totals:	1,003	1,000	-3	1,003	1,000	-3
								Net Totals:	1,003	1,000	-3	1,003	1,000	-3
07/04/2025														
R	DEF GAS		MARIO	10	10	0	0	0.0000	1,003	920	-83	1,003	920	-83
								Totals:	1,003	920	-83	1,003	920	-83
								Net Totals:	1,003	920	-83	1,003	920	-83
07/06/2025														
R	DEF GAS		MARIO	10	10	0	0	0.0000	1,003	1,040	37	1,003	1,040	37
								Totals:	1,003	1,040	37	1,003	1,040	37
								Net Totals:	1,003	1,040	37	1,003	1,040	37
07/07/2025														
R	DEF GAS		MARIO	0	0	0	1548	0.0000	1,003	1,548	545	1,003	1,548	545
R	NML ENERGY		LUIGI	0	0	0	452	0.0000	502	452	-50	502	452	-50
								Totals:	1,505	2,000	495	1,505	2,000	495
								Net Totals:	1,505	2,000	495	1,505	2,000	495
								Location Totals:	4,514	4,960	446	4,514	4,960	446
								Grand Totals:	4,514	4,960	446	4,514	4,960	446

Reports
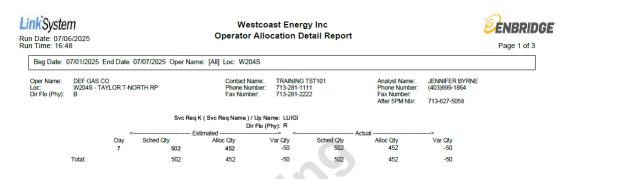
Receipt Operator: Operator Allocation Report

Operator Allocation Report: Detail

Page 1 of 3

LinkSystem — Westcoast Energy Inc — Operator Allocation Detail Report — ENBRIDGE
Run Date: 07/06/2025
Run Time: 16:48

Beg Date: 07/01/2025 End Date 07/07/2025 Oper Name: [All] Loc: W204S

Oper Name:	DEF GAS CO	Contact Name:	TRAINING TST101	Analyst Name: JENNIFER BYRNE
Loc:	W204S - TAYLOR T-NORTH RP	Phone Number:	713-281-1111	Phone Number: (403)699-1864
Dir Flo (Phy):	B	Fax Number:	713-281-2222	Fax Number:
				After 5PM Nbr: 713-627-5058

Svc Req K (Svc Req Name) / Up Name: LUIGI
Dir Flo (Phy): R

		Estimated			Actual	
Day	Sched Qty	Alloc Qty	Var Qty	Sched Qty	Alloc Qty	Var Qty
7	502	452	-50	502	452	-50
Total:	502	452	-50	502	452	-50

Page 2 of 3

LinkSystem — Westcoast Energy Inc — Operator Allocation Detail Report — ENBRIDGE
Run Date: 07/06/2025
Run Time: 16:48

Beg Date: 07/01/2025 End Date 07/07/2025 Oper Name: [All] Loc: W204S

Oper Name:	DEF GAS CO	Contact Name:	TRAINING TST101	Analyst Name: JENNIFER BYRNE
Loc:	W204S - TAYLOR T-NORTH RP	Phone Number:	713-281-1111	Phone Number: (403)699-1864
Dir Flo (Phy):	B	Fax Number:	713-281-2222	Fax Number:
				After 5PM Nbr: 713-627-5058

Svc Req K (Svc Req Name) / Up Name: MARIO
Dir Flo (Phy): R

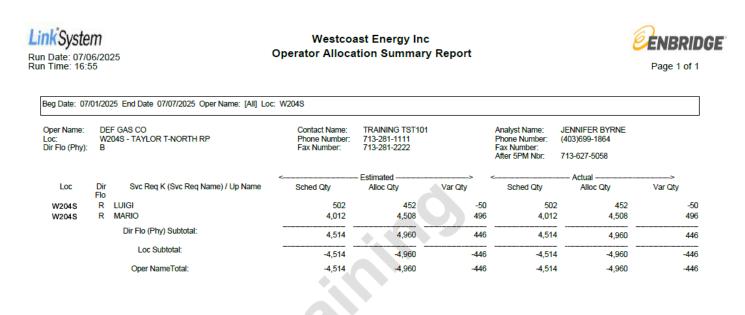|		Estimated			Actual	
Day	Sched Qty	Alloc Qty	Var Qty	Sched Qty	Alloc Qty	Var Qty
3	1,003	1,000	-3	1,003	1,000	-3
4	1,003	920	-83	1,003	920	-83
6	1,003	1,040	37	1,003	1,040	37
7	1,003	1,548	545	1,003	1,548	545
Total:	4,012	4,508	496	4,012	4,508	496

The Detail report displays Scheduled and Allocated Quantities by Service Requester Name for each day of the selected date range.

The last page of the report includes a summary of totals by day, where:
Sched Qty = nominations from the Receipt Point, and
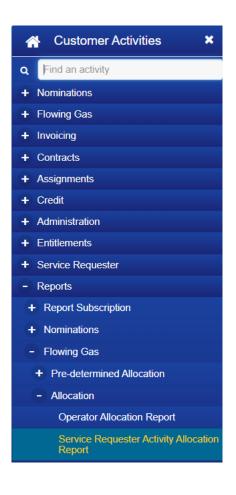Alloc Qty = Measured Qty for the day

Page 3 of 3

LinkSystem — Westcoast Energy Inc — Operator Allocation Detail Report — ENBRIDGE
Run Date: 07/06/2025
Run Time: 16:48

Beg Date: 07/01/2025 End Date 07/07/2025 Oper Name: [All] Loc: W204S

Oper Name:	DEF GAS CO	Contact Name:	TRAINING TST101	Analyst Name: JENNIFER BYRNE
Loc:	W204S - TAYLOR T-NORTH RP	Phone Number:	713-281-1111	Phone Number: (403)699-1864
Dir Flo (Phy):	B	Fax Number:	713-281-2222	Fax Number:
				After 5PM Nbr: 713-627-5058

Upstream Entity Totals

		Estimated			Actual	
Day	Sched Qty	Alloc Qty	Var Qty	Sched Qty	Alloc Qty	Var Qty
3	1,003	1,000	-3	1,003	1,000	-3
4	1,003	920	-83	1,003	920	-83
6	1,003	1,040	37	1,003	1,040	37
7	1,505	2,000	495	1,505	2,000	495
Total:	4,514	4,960	446	4,514	4,960	446

Allocations

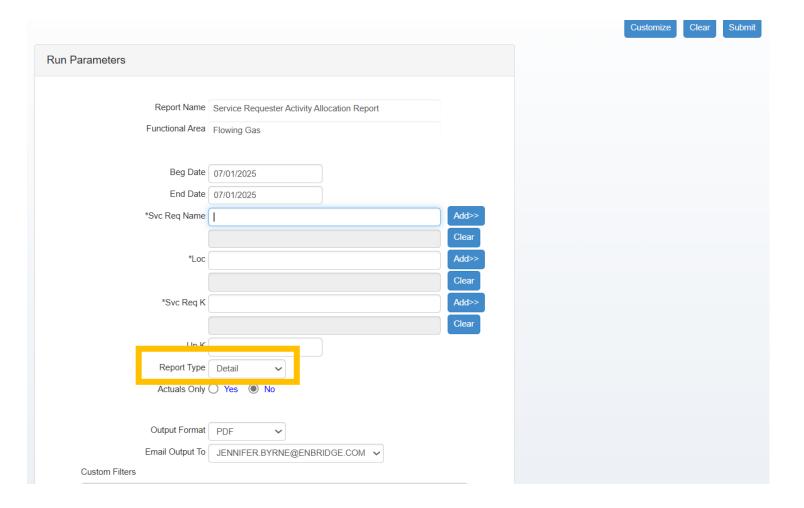## Operator Allocation Report: Summary

The Summary report includes totals by Upstream for the date range selected.
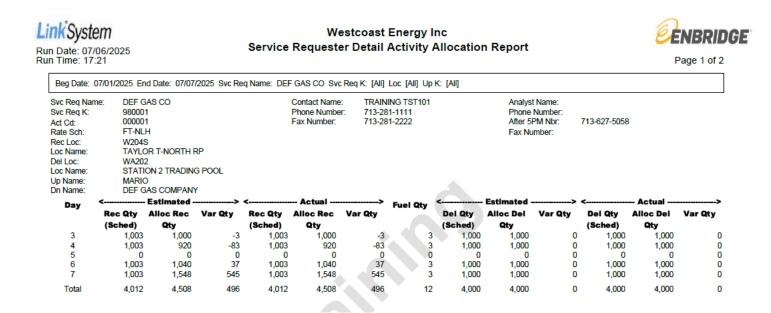
Reports

Receipt Shipper: Service Requester Activity Allocation Report

Reports

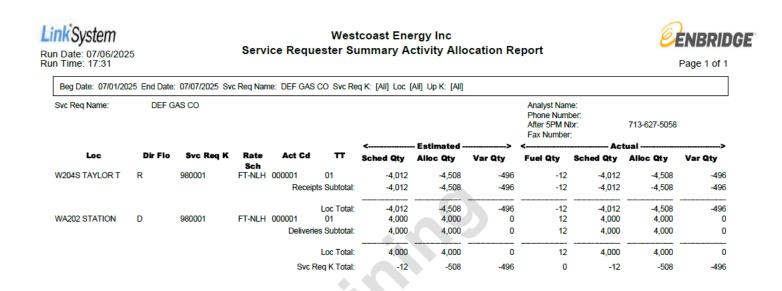## Service Requester Activity Allocation Report: Detail

The Detail report will show quantities by day for each Activity (nomination path). The details of the nomination are in the upper left part of the page.

The last page of this report will include a summary for all nominated quantities by day.

Reports

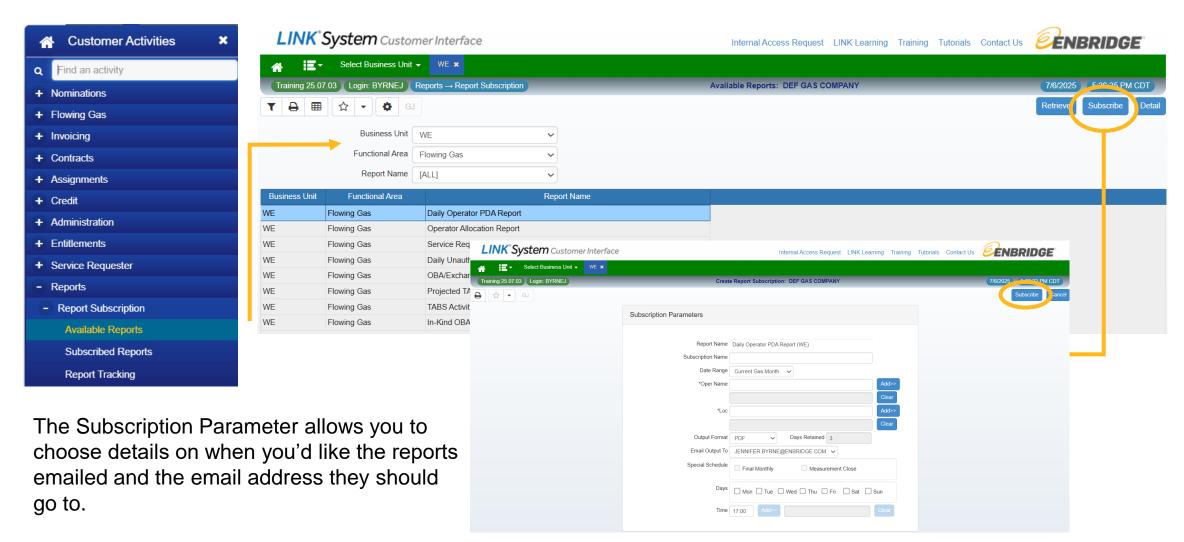## Service Requester Activity Allocation Report: Summary

The Summary report will show total quantities by Location, then by Contract, then by Activity Code, for the date range selected.

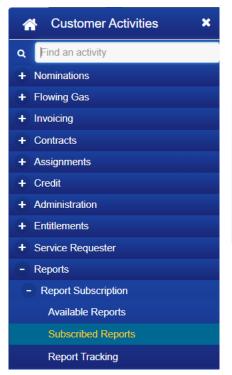The Variance Qty shows the daily imbalance but does not show the cumulative imbalance.

Reports

Report Subscription

The Subscription Parameter allows you to choose details on when you'd like the reports emailed and the email address they should go to.
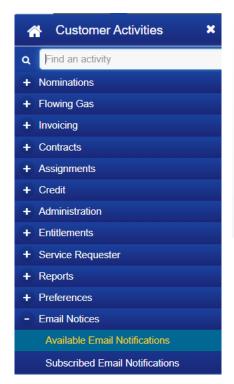
Reports

Report Subscription

This screen will show you all the reports you have subscribed to. When you select a report by clicking in the box to the left, you have the ability to Edit, Unsubscribe or Suspend your subscription for that report.

Email Notifications

Subscriptions

Search by Functional Area to select what email notifications you would like to subscribe to. For example, select Informational Postings to select all notifications for all Critical postings.

Manage Email Notification subscriptions by selecting "Subscribed Email Notifications" in the Customer Activities menu.

Q & A