

Kinder Morgan Contacts:

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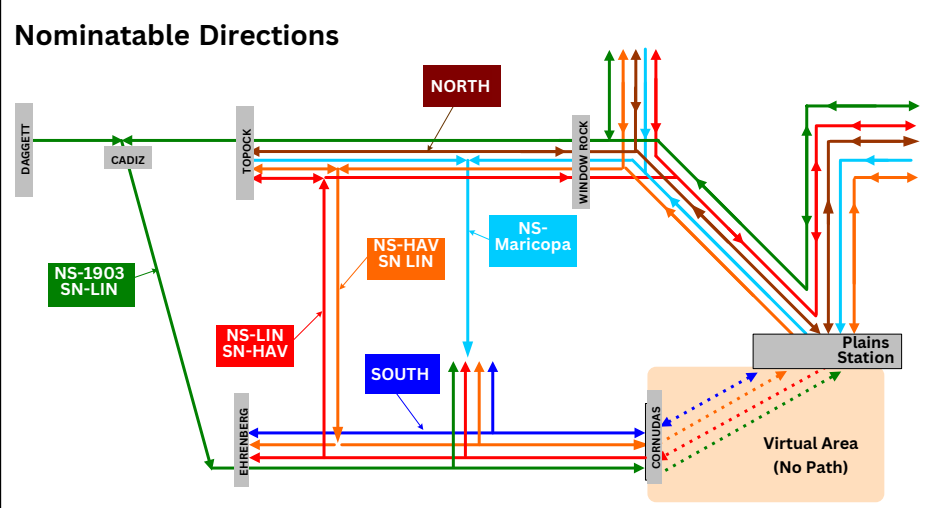
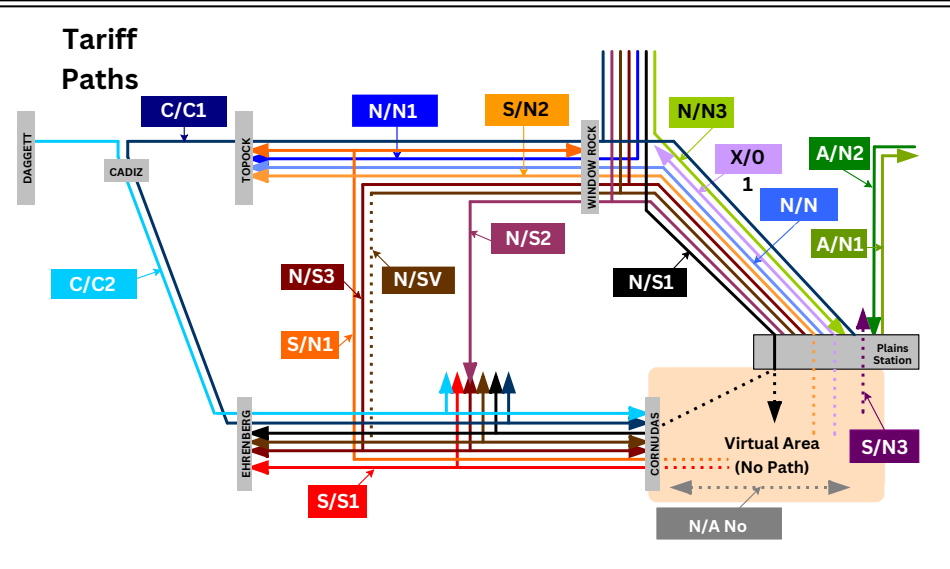
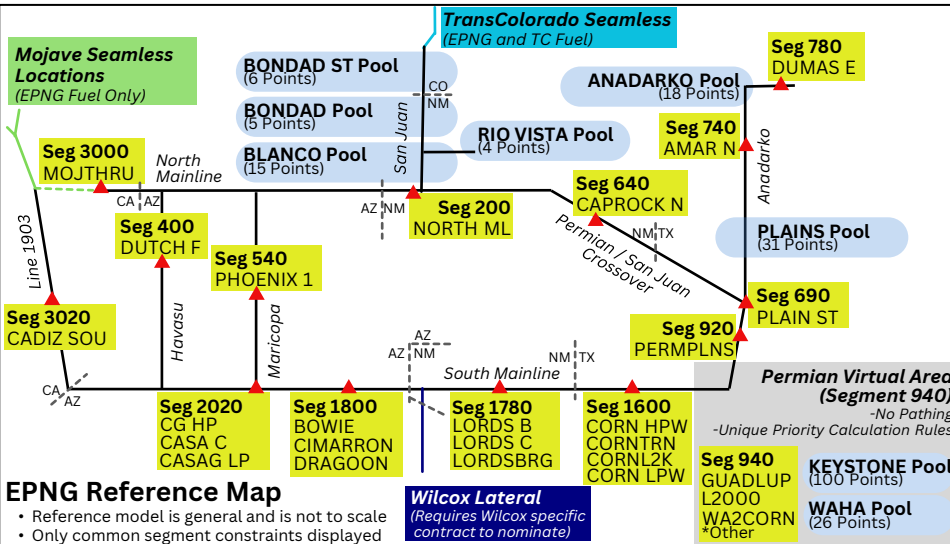
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DART Login Issues: DARTSystemSecurity@kindermorgan.com

Multi-Factor Authentication Issues: MFASupportHD@kindermorgan.com



Priority	Service Level	Description
Highest Cut Last	FT-2 Primary	The portion of any nomination using primary receipt point, primary delivery point and/or scheduled on the primary path of the contract
	FT-1/FT-H Primary	The portion of any nomination using primary receipt point, primary delivery point and/or scheduled on the primary path of the contract
	Flow Path/Point Secondary (FPS)	Either the receipt or delivery points (or both) are outside the primary flow path, providing at least some part of the nomination passes through the primary receipt-to-delivery flow path ("one foot in").
	1st Alternate	Specific to contracts with Permian Virtual Area path rights. Either the receipt or delivery point (or both) in the Permian Virtual Area are non-primary point(s). This service level is only applicable to constraints within the Permian Virtual Area.
	2nd Alternate	The path, receipt and delivery points are not using any portion of the primary entitlements
Lowest Cut First	Overrun	Total nominated overlapping quantity over TCD
	Interruptible	<ul style="list-style-type: none"> Interruptible Transport (point or path) Operator to Pool Park and Loan

Note: To maintain Firm Primary priority through constraints within the Permian Virtual Area, Primary receipt/delivery points must be used or the nomination may be evaluated at a lower scheduling priority.

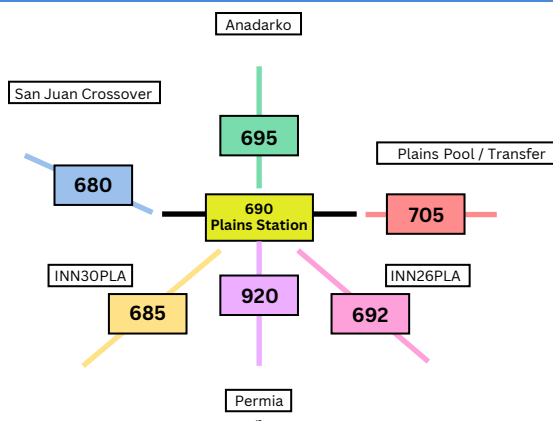
Useful Calculations	
Rate Out	$\left\{ \frac{\text{Scheduled Qty} - \text{Cumulative Hourly}}{\text{Hours Left in the Day}} \right\} \times 24$
MCF to DTH	$\text{MCF} \times \text{BTU Factor} = \text{DTH}$ $\text{DTH} \div \text{BTU Factor} = \text{MCF}$
EPSQ	$\text{ID1 EPSQ} = \text{Evening Sched} \times (5/24)$ $\text{ID2 EPSQ} = \text{ID1 EPSQ} + ((\text{ID1 Sched} - \text{ID1 EPSQ}) \times (4/19))$ $\text{ID3 EPSQ} = \text{ID2 EPSQ} + ((\text{ID2 Sched} - \text{ID2 EPSQ}) \times (4/15))$

Late Cycle Batches (Cycles 6 & 7)		
**Late cycles are NOT NAESB regulated	Cycle 6	Cycle 7
Lockdown (MST)	10:00 PM	6:30 AM (Next Calendar Day)
Physical Flow Check	No	Yes, changes must bring scheduled quantity closer to physical flow
All Affected Parties Must Agree	Yes	Yes
PAL Allowed	Yes	Yes
FDD Allowed	Yes	Yes

EPNG
System
Maps



Forward Haul vs. Back Haul through Plains Station



Coming From	Going To						
	Segment	680	695	705	920	685	692
	680		BH	BH	BH	BH	BH
	695	BH		BH	BH	BH	BH
	705	FH	FH		BH	FH	BH
	920	FH	FH	FH		FH	FH
	685	FH	FH	BH	BH		BH
	692	FH	FH	FH	BH	FH	

Gas is able to flow in both a forward haul (FH) and back haul (BH) direction through Plains Station which is on Segment 690. The above model and table illustrate whether the flow of gas will be in a forward haul or back haul direction when coming from/through and going to/through various segments on the EPNG system.

General Adjustment/Retro Guidelines

Adjustments that will NOT be approved

- Reinstatement of capacity reductions (PCC, PLM, FMJ, LOR)
- Requests that would mitigate penalties on gas days under SOC/COC/ECOC
- Requests that would cause an amendment to a Park or Loan contract

Adjustments that will be considered for approval

- Requests due to cuts made/passed in error by EPNG
- Operator requests due to an error on their interconnecting party's side

EPNG reserves the right to deny requests that are administratively burdensome such as those affecting multiple counterparties as well as requests that create new business after a gas day/cycle is complete. All guidelines are subject to change at EPNG's sole discretion.

Gas Cycle	Seamless Lockdown	Online Nomination Lockdown	EDI Nomination Lockdown	Confirmation Lockdown	Flow
EPNG Only Cycle 7 Prior Gas Day		6:30 AM	6:30 AM	6:30 AM	
Intraday 1	9:00 AM	9:15 AM	9:30 AM	11:30 AM	1:00 PM
Timely	12:00 PM	12:15 PM	12:30 PM	3:30 PM	
Intraday 2	1:30 PM	1:45 PM	2:00 PM	4:00 PM	5:00 PM
Evening (Next Day)	5:00 PM	5:15 PM	5:30 PM	7:30 PM	8:00 AM (Next Day)
Intraday 3	6:00 PM	6:15 PM	6:30 PM	8:30 PM	9:00 PM
EPNG Only Cycle 6		10:00 PM	10:00 PM	10:00 PM	12:00 AM
All Times in MST					

Allocations Timeline / Methodology		
Production Month	Imbalance Cashout	Business Day
Month 1	>5% cashed out to 5%	14th business day following end of Month 1
	100% total imbalance cashed out to 0 (immediately) for scheduled imbalances with no swing	14th business day following end of Month 1
Month 2	>3% cashed out to 3%	5th business day following end of Month 2
Month 3	>0% cashed out to 0%	5th business day following end of Month 3
*Small imbalance quantities less than 2,000 dths are cashed out to 0 once per year in December.		

EPNG Training Documents



Strained & Critical Operating Conditions (SOC/COC)

	SOC	COC	Emergency COC (ECOC)
Effective Time	<ul style="list-style-type: none"> • Declared by 12:00 PM (MST) Same Gas Day • Effective 8:00 AM Same Gas Day 	<ul style="list-style-type: none"> • Must follow a SOC and declared by 12:00 PM (MST) Same Gas Day • Effective 8:00 AM Same Gas Day 	<ul style="list-style-type: none"> • Can be declared anytime without a preceding SOC and is effective immediately • Effective 8:00 AM Same Gas Day
Imbalance Percentage	Posted in the declaration, can range from 4%-10% of Scheduled Qty	3% of Scheduled Qty	3% of Scheduled Qty
Imbalance Tolerance	Greater of posted % of Scheduled Qty or 2,000 dths	Greater of 3% of Scheduled Qty or 2,000 dths	Greater of 3% of Scheduled Qty or 2,000 dths
Catch Up Noms	Yes - nominated the gas day following the SOC	No	No
Hourly Safe Harbor	100 dths	100 dths	100 dths
Quantities Subject to Penalties	If Imbalance Tolerance is exceeded, the entire imbalance is penalized	If Imbalance Tolerance is exceeded, the entire imbalance is penalized	1st day of ECOC, only quantity in excess of Imbalance Tolerance is penalized. In subsequent days, if Imbalance Tolerance is exceeded, entire imbalance is penalized
Relevant DART Screens	EPNG-SOC/COC Operational Flow Data (WIVL9110): Displays position for Imbalance Tolerance and Catch Up Nomination eligibility EPNG-SOC/COC Penalty (WCRV8000): Displays penalties EPNG-Linepack-SOC (WSVL9000): Provides updated linepack conditions		

Entering an SOC Catch Up Nom

	Draft SOC	Pack SOC
Catch Up Nom will...	Brings gas ON to the Pipeline	Takes gas OFF the Pipeline
Location PIN	Location at which the SOC was declared and the imbalance was created	
Volume Type	Catchup Nomination in the Downstream Nominations Volume Type	Catchup Nomination in the Upstream Nominations Volume Type
Contract	Enter the contract eligible for the Catchup Nomination	
Enter System PIN "302363"	In the Del Loc Prop / Dn ID Prop	In the Rec Loc Prop / Up ID Prop

*EPNG's Tariff supersedes any content contained in this document.