



---

Field Area Group Allocation Overview



Northern Natural Gas' highest priority is to provide reliable primary firm transportation service for its customers. Northern does not allocate primary firm receipt to primary firm delivery nominations except in a force majeure or curtailment event. Northern also provides flexibility to customers by providing alternate firm and interruptible capacity to serve their markets. Northern endeavors to schedule or flow the customers' nominated volumes using alternate firm and interruptible capacity to the extent of its operational capabilities. As customers utilize this flexibility, there may be instances when it is necessary for Northern to perform capacity allocations at a group level when the nominated transportation activity exceeds the available physical pipeline capacity entering or exiting a defined group of points. This can occur because of high utilization of alternate firm or interruptible points due to supply or market pricing dynamics, planned service outages or a force majeure event.

In addition to group allocations, Northern separately may need to allocate specific receipt or delivery points. This can occur if customers nominate alternate firm and interruptible capacity in addition to primary firm capacity at a specific point(s), resulting in nominations exceeding Northern's physical capacity. During a point allocation, only the customers' nomination type (primary, alternate or interruptible) at the point is considered (e.g., during a receipt point allocation only the nominated receipts are reviewed for priority without consideration to the downstream path or delivery point associated with that nomination). This document only addresses allocation processes associated with group constraints.

### **Field Area Groups**

To minimize the impact of an allocation so that only the smallest area is affected, Northern has developed 29 Field Area allocation groups. A complete list of receipt and delivery points within each allocation group can be found on Northern's website under [Support->Allocation of Capacity Overview->Field Group PointLookup](#).

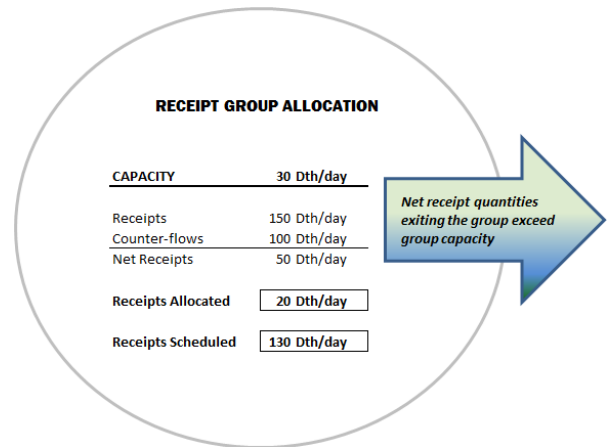
Whenever possible, Northern will provide advance notice of potential group allocations. As conditions develop and the potential for an allocation increases, Northern will post a non-critical notice notifying customers of the potential allocation(s). Conditions may change unexpectedly resulting in Northern being unable to post a notice, but whenever possible, Northern will provide information of changing operational conditions on the pipeline. Customers can monitor the [Informational Postings](#) on Northern's website, or can utilize the [Notification and Security Administration System](#) and elect to have notices sent via email.

At the end of each nomination cycle, Northern posts the available capacity at receipt and delivery points, as well as for allocation groups. Customers can access this information on Northern's [Operationally Available Capacity](#) web page.

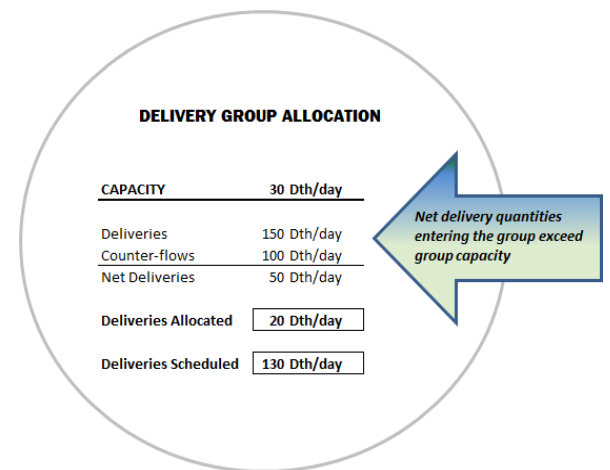
### **Field Area Group Allocation Types**

Field Area allocations can occur as either a receipt group or a delivery group allocation. Nominated activity between receipt and delivery points that are located "within the group" are excluded from group allocation consideration as those nominations are not impacting the capacity from or to the constrained group.

A Field Area receipt group allocation will occur when the nominations at the receipt locations of a defined group, adjusted for counter-flow activity, exceed the pipeline capacity available to move the gas out of the defined group of points. For example, as shown in the receipt group allocation diagram to the right, a Field Area receipt group having capacity of 30 Dth/day may be allocated when the net nominated receipts of 50 Dth/day at locations within the group are greater than the pipeline capacity of 30 Dth/day available for the gas exiting the group to be delivered to locations outside of the group. This would result in 20 Dth/day of receipts being allocated and 130 Dth/day of total receipts being scheduled.



Conversely, a Field Area delivery group allocation will occur when the nominations at the delivery locations of a defined group, adjusted for counter-flow activity, exceed the pipeline capacity available to move the gas into the defined group of points. For example, as shown in the delivery group allocation diagram to the right, a Field Area delivery group having capacity of 30 Dth/day would be allocated when the net nominated deliveries of 50 Dth/day at locations within the group are greater than the pipeline capacity of 30 Dth/day available for the gas entering the group for delivery to locations within the group. This would result in 20 Dth/day of deliveries being allocated and 130 Dth/day of total deliveries being scheduled.



**Standard Group Allocation Methodology**

The scheduling priorities in a Field Area group allocation take into account receipt and/or delivery nominations at locations inside or outside the contracted points. That is, as stated above, nominations utilizing the primary firm receipt and primary firm delivery have the highest scheduling priority. Northern does not allocate this nomination type except in a force majeure or curtailment event. Nominated counter-flow activity is considered in the allocation process and may result in scheduling activity greater than operationally available capacity.

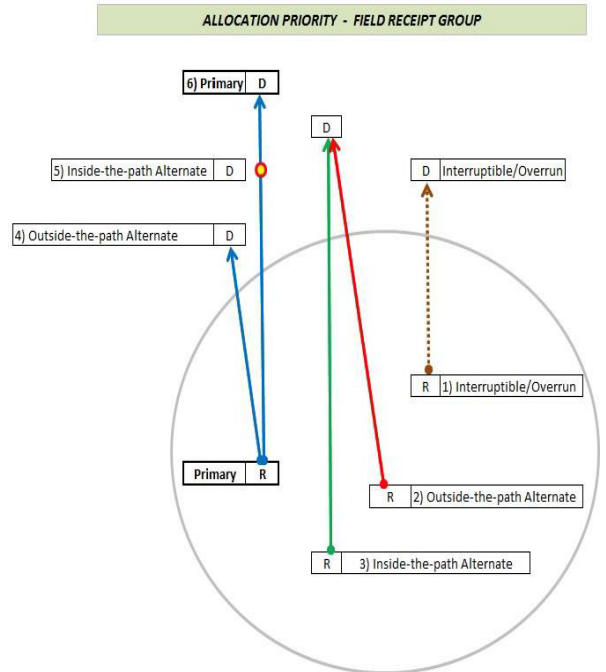
Should Northern find it necessary to allocate a group and such an allocation impacts nominations that contain primary firm receipt capacity, the primary firm receipts nominated to outside-the-path alternate firm deliveries will be allocated (pro rata) before allocating any primary firm receipt to an inside-the-path alternate firm delivery.

Similarly, in a delivery group allocation, the outside-the-path alternate firm receipts to primary firm delivery point will be allocated (pro rata) before allocating any inside-the-path alternate firm receipt to primary firm delivery nominations. Outside-the-path alternate firm deliveries are allocated before inside-the-path alternate firm deliveries are allocated.

The allocation of capacity to alternate firm nominations will be done on a pro rata basis. Group capacity will be allocated based on the priority of service shown below. The allocation of capacity to interruptible transportation will be based on price and will be allocated prior to impacting alternate firm capacity. In a Field Area delivery group allocation, the highest receipt scheduling priority a transportation path can be assigned when transporting gas away from MID Pooling points is "outside-the-path alternate firm" priority.

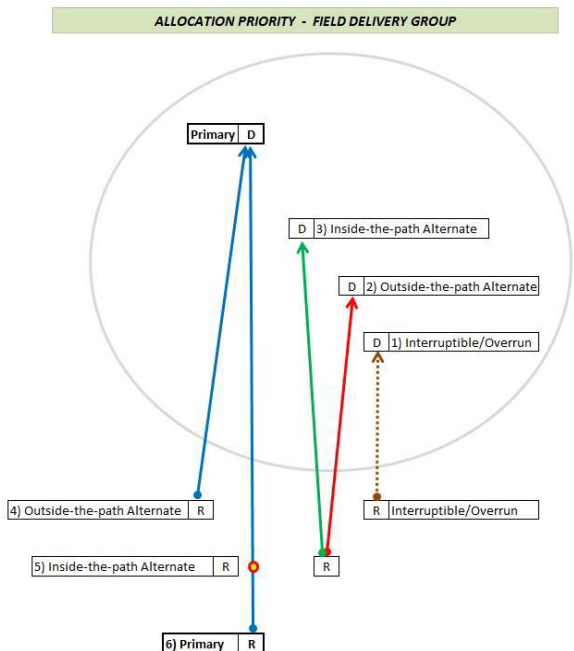
Field Area **receipt group** allocation methodology is as follows:

- 1) First off (lowest scheduling priority): Interruptible receipts to deliveries outside of the group (lowest price service allocated first) (*brown dotted line*)
- 2) Second off: Outside-the-path alternate firm receipts (*red line*)
- 3) Third off: Inside-the-path alternate firm receipts (*green line*)
- 4) Fourth off: Primary firm receipts sourced to outside-the-path alternate firm deliveries (*short blue line*)
- 5) Fifth off: Primary firm receipts sourced to inside-the-path alternate firm deliveries (*blue line to red dot*)
- 6) Last off (highest scheduling priority): Primary firm receipts sourced to primary firm deliveries, which will not be allocated except in a force majeure or curtailment event (*entire blue line, including above red dot*)



Field Area **delivery group** allocation methodology is as follows:

- 1) First off (lowest scheduling priority): Interruptible deliveries from receipts outside of the group (lowest price service allocated first) (*brown dotted line*)
- 2) Second: Outside-the-path alternate firm deliveries (*red line*)
- 3) Third: Inside-the-path alternate firm deliveries (*green line*)
- 4) Fourth: Primary firm deliveries sourced from outside-the-path alternate firm receipts (*short blue line*)
- 5) Fifth: Primary firm deliveries sourced from inside-the-path alternate firm receipts (*blue line from red dot*)
- 6) Last off (highest scheduling priority) Primary firm deliveries sourced from primary firm receipts, will not be allocated except in a force majeure or curtailment event (*entire blue line, including below red dot*)

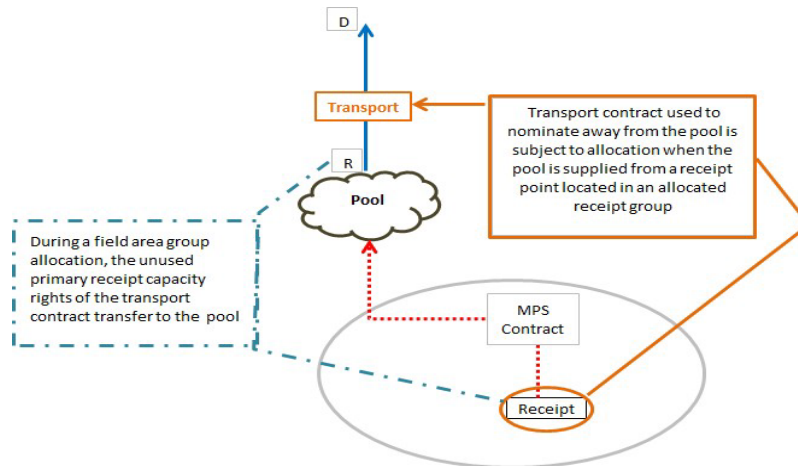


### **Treatment of pooling nominations**

Pooling allows for the aggregation of supply from various receipt locations to a single theoretical point for re-delivery to multiple markets. MID Pooling Service (MPS) contracts are required for pooling and the nomination activity on MPS contracts is not threaded or tracked from the receipt point to the delivery point. Each Field Area receipt point is eligible for pooling on MPS agreements to its respective MID pool or Field Area trading pool. Northern does not allocate the receipt quantities on MPS agreements but does allocate the transportation contracts associated with the MPS nomination from a receipt point to the pool. When an MPS



or pooling agreement is used at a receipt location that is part of a receipt group allocation, the receipt nomination is tracked through the pool(s) to identify the service priority (interruptible, alternate or primary firm) of the transportation contract that ultimately transports these receipts away from the pool. If associated transportation nomination has unused primary receipt capacity at the allocated receipt point, the quantities nominated at the receipt point will be considered primary firm in the allocation priority. If a contract does not have any unused primary firm receipt capacity at the allocated receipt location, the quantities will be treated as outside-the-path alternate firm in the allocation priority.



In a delivery group allocation, certain MID Pooling points are located inside the group, while others are located outside the group. Pooling activity located inside the group is unaffected by the allocation of a delivery group. The paths transporting supplies away from MID Pooling points that are located outside the delivery group will be subject to allocation when delivering the gas to locations inside the delivery group. As noted above, the highest scheduling priority a receipt point can be assigned when transporting gas away from MID Pooling points is outside-the-path alternate firm.

Should you have questions regarding Field Area group allocations, or any other scheduling activity, please contact your Northern [customer service representative](#).

**Northern Natural Gas**  
**Field Area Allocation Group List**

<b>Group #</b>	<b>Group Name</b>	<b>Allocation Type</b>
1080	Beaver C & Beaver North	Delivery
177	Beaver C & Beaver System South	Delivery
31	Beaver C System	Receipt or Delivery
1025	Beaver North	Delivery
13	Beaver System South	Delivery
1022	Brownfield North	Delivery
998	Brownfield South	Delivery
15	East Roger Mills	Receipt or Delivery
831	Field to Demarc	Delivery
747	Hemphill System	Receipt or Delivery
5	Holcomb Burdett	Receipt or Delivery
824	Jal to Gaines	Receipt or Delivery
738	Jal to Hobbs	Receipt or Delivery
605	Jal-Hobbs-Plains System	Receipt or Delivery
825	Mitchell to Gaines	Receipt or Delivery
760	Mitchell to Plymouth	Delivery
1023	Pampa North	Delivery
19	Pampa South	Delivery
761	Plymouth to Spraberry	Receipt or Delivery
14	Roger Mills Hemphill System	Receipt or Delivery
16	Roger Mills System	Receipt or Delivery
598	Seminole Subsystem	Receipt or Delivery
600	Spraberry	Receipt or Delivery
601	Spraberry 12-inch	Receipt or Delivery
1112	Spraberry 16-inch	Delivery
602	Spraberry Station	Receipt or Delivery
599	Spraberry to Plains	Receipt or Delivery
32	Sunray High	Receipt or Delivery
10	Sunray Low	Receipt or Delivery



## BEAVER C & BEAVER NORTH ALLOCATION GROUP (1080)

### Group Allocation Type: Delivery

A delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



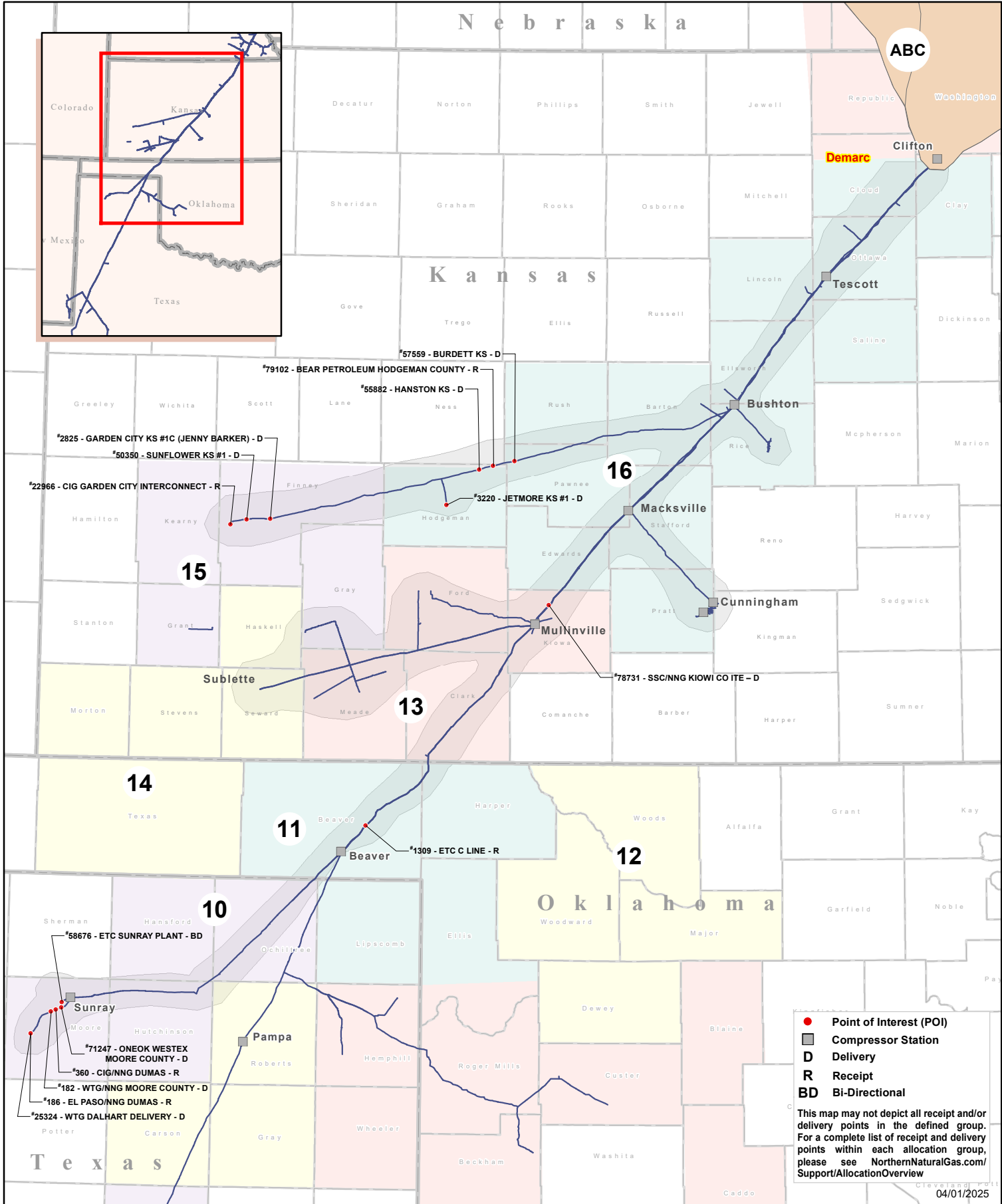
### Storage Usage

For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

Rate Schedule	INJ/WD	Transport R/D	Applicable Storage Points	
			Beaver North MIDs 1 thru 9	Beaver North MIDs 10 thru 16B
FDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
FDD	INJ	D	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	INJ	D	Impacted	Not Impacted
			SBS Disabled	SBS Enabled

Rate Schedule	INJ/WD	Pool R/D	Applicable Storage Points	
			Beaver North MIDs 1 thru 9	Beaver North MIDs 10 thru 16B
FDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
FDD	INJ	D	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	INJ	D	Impacted	Not Impacted
			SBS Disabled	SBS Enabled

## BEAVER C & BEAVER NORTH ALLOCATION GROUP (1080)

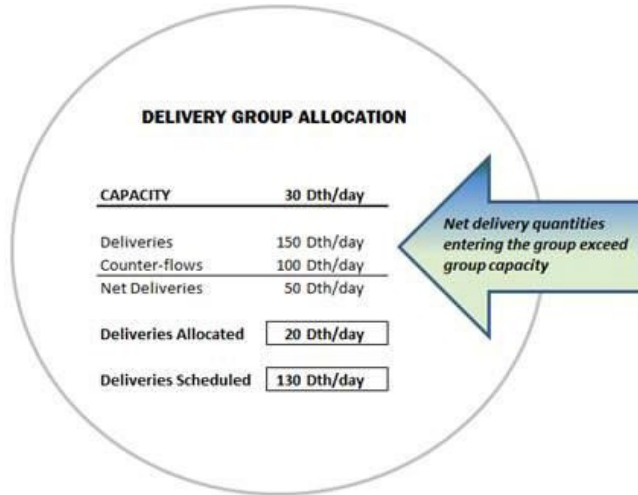




## BEAVER C AND BEAVER SYSTEM SOUTH ALLOCATION GROUP (177)

### Group Allocation Type: Delivery

A delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



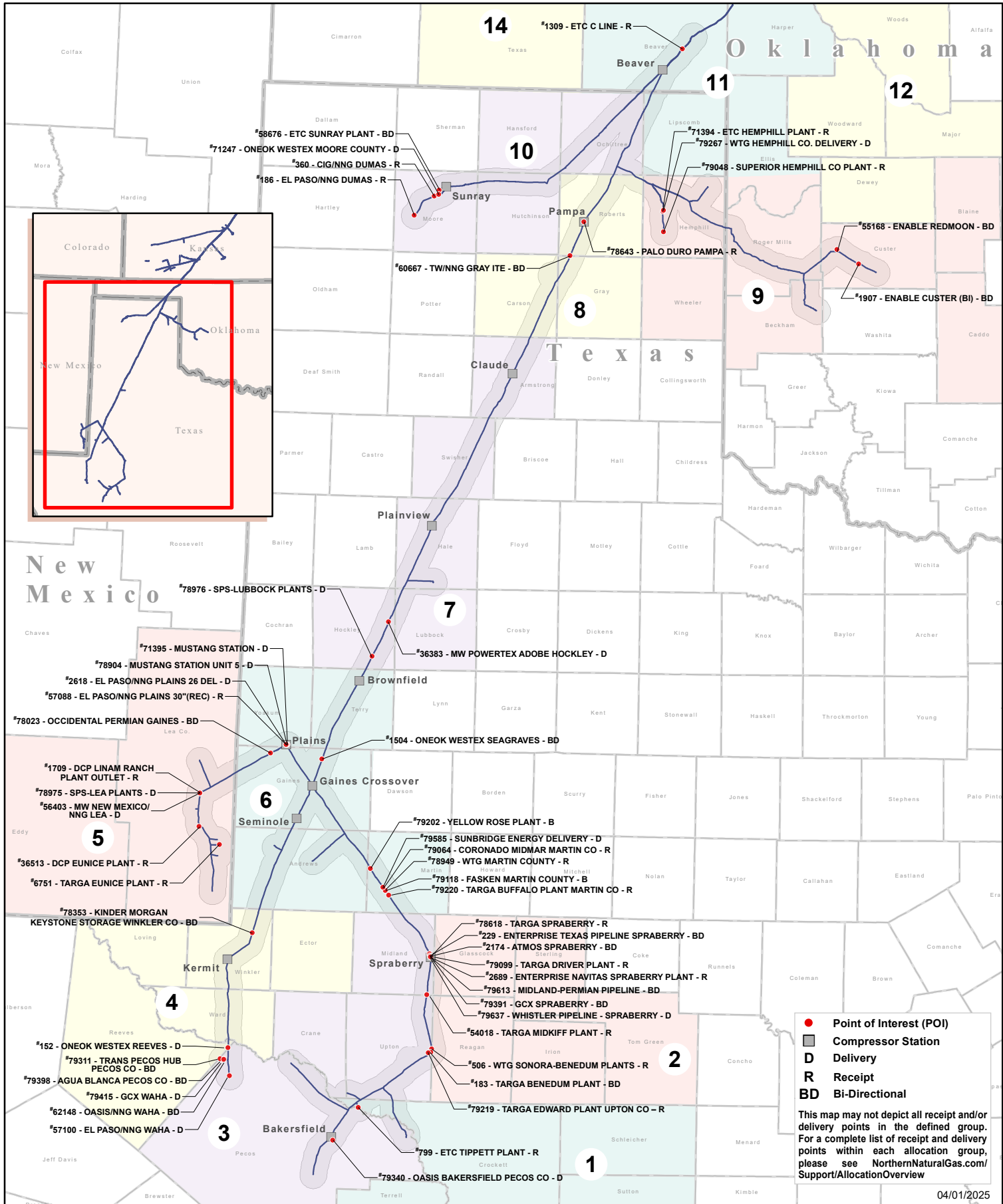
### Storage Usage

For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

Rate Schedule	INJ/WD	Transport R/D	Applicable Storage Points	
			Beaver C and Beaver System South MIDs 1 thru 11	Beaver C and Beaver System South MIDs 12 thru 16B
FDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
FDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled

Rate Schedule	INJ/WD	Pool R/D	Applicable Storage Points	
			Beaver C and Beaver System South MIDs 1 thru 11	Beaver C and Beaver System South MIDs 12 thru 16B
FDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
FDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled

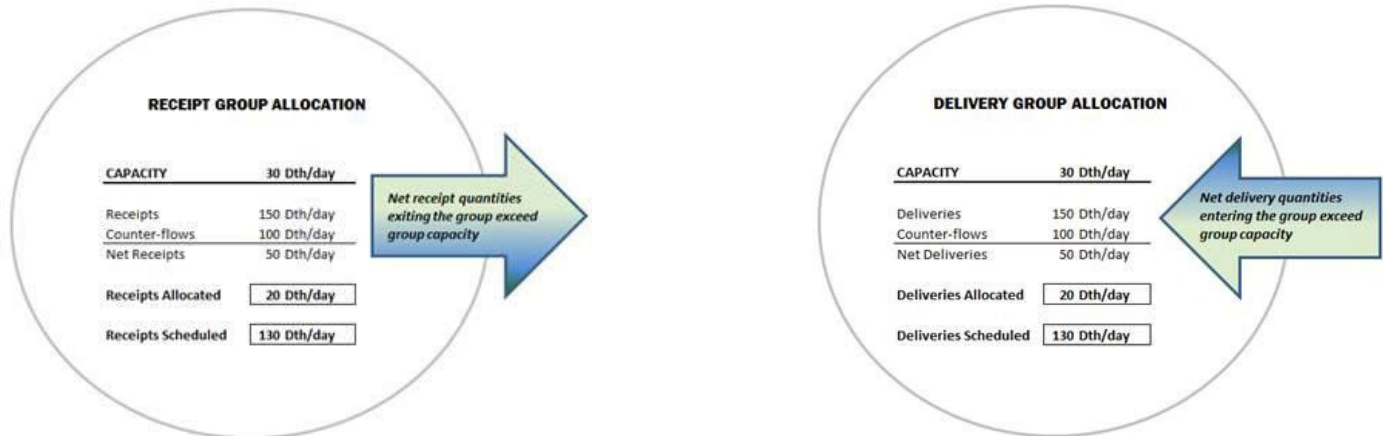
## BEAVER C AND BEAVER SYSTEM SOUTH ALLOCATION GROUP (177)



## BEAVER C SYSTEM ALLOCATION GROUP (31)

### Group Allocation Type: Receipt or Delivery

A Field Area receipt group allocation will occur when the nominations at the receipt locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas out of the defined group of points. Conversely, a Field Area delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



### Storage Usage

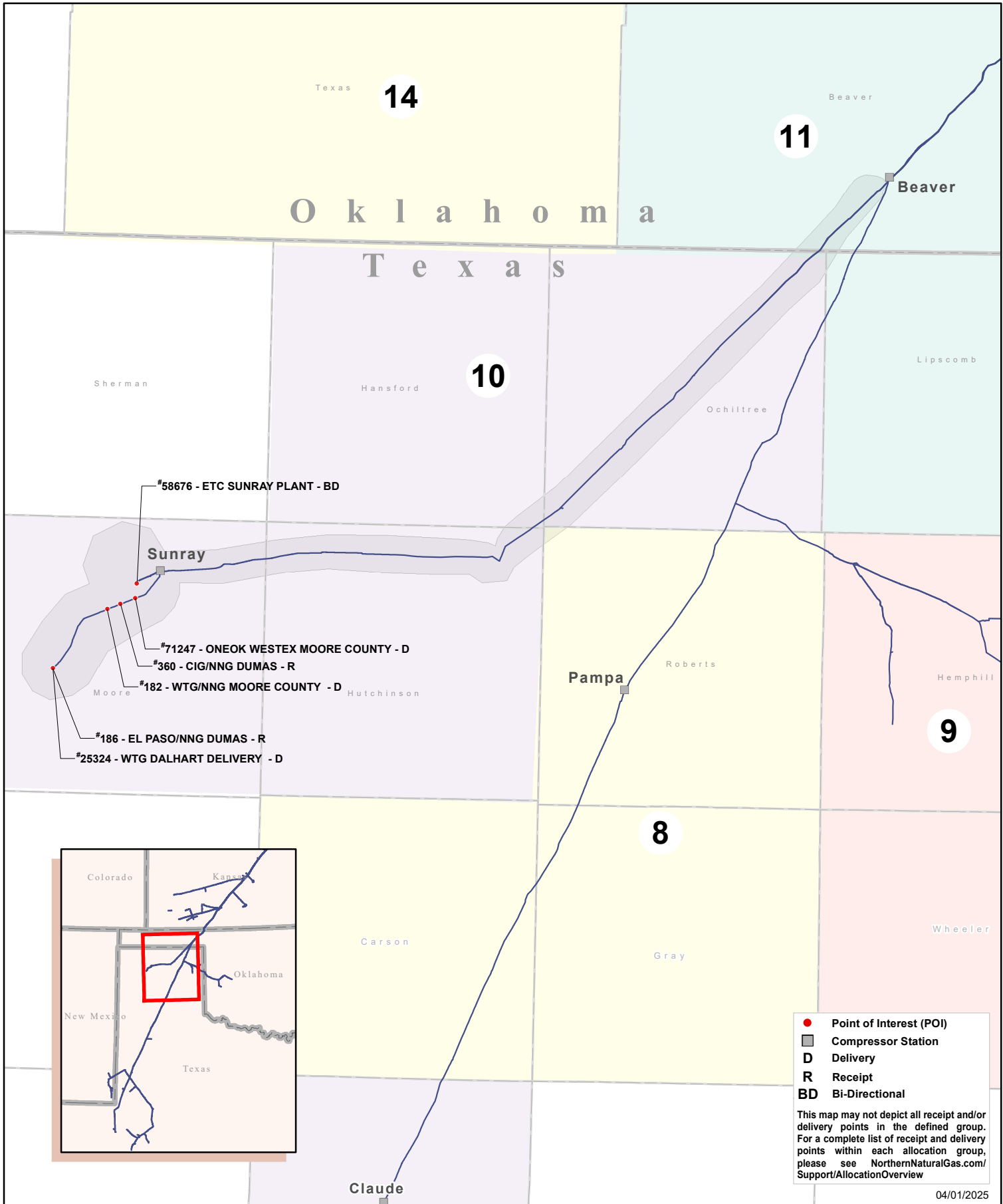
For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

Rate Schedule	INJ/WD	Transport R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
FDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled
PDD IDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled

Rate Schedule	INJ/WD	Pool R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
FDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled



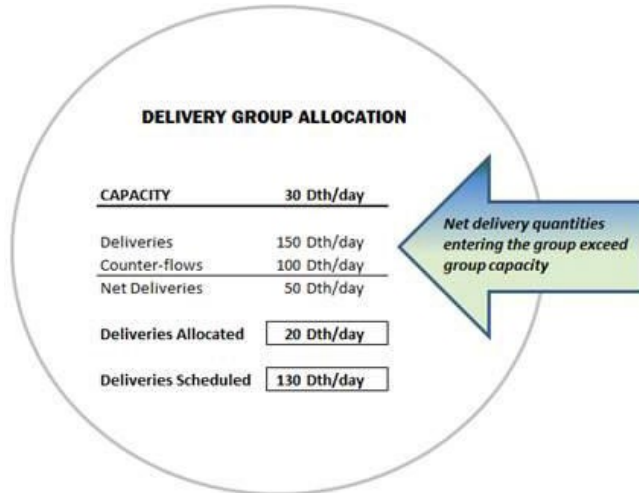
## BEAVER C SYSTEM ALLOCATION GROUP (31)



## BEAVER NORTH ALLOCATION GROUP (1025)

### Group Allocation Type: Delivery

A delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



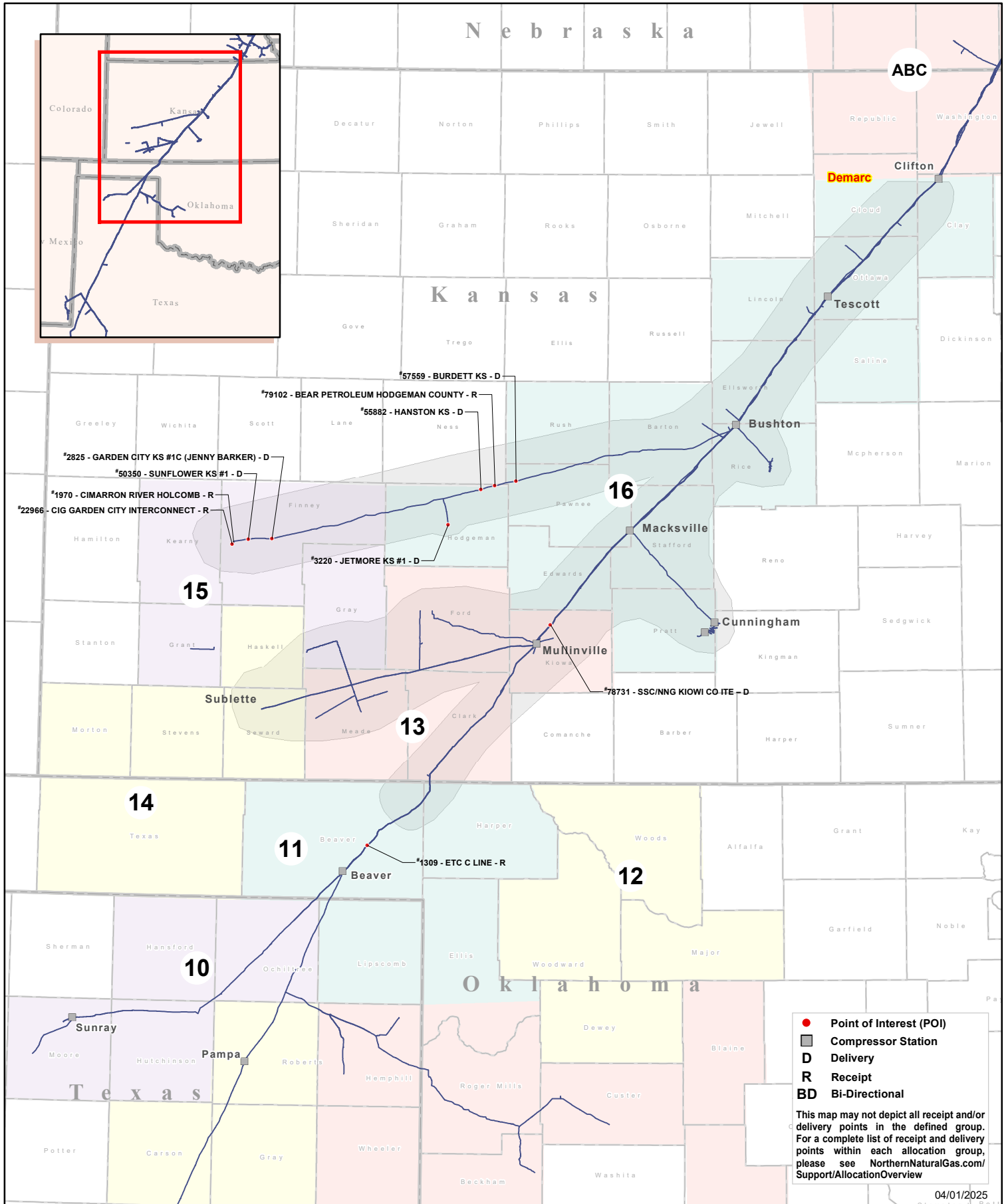
### Storage Usage

For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

Rate Schedule	INJ/WD	Transport R/D	Applicable Storage Points	
			Beaver North MID's 1 thru 11	Beaver North MID's 12 thru 16B
FDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
FDD	INJ	D	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	INJ	D	Impacted	Not Impacted
			SBS Disabled	SBS Enabled

Rate Schedule	INJ/WD	Pool R/D	Applicable Storage Points	
			Beaver North MID's 1 thru 11	Beaver North MID's 12 thru 16B
FDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
FDD	INJ	D	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	INJ	D	Impacted	Not Impacted
			SBS Disabled	SBS Enabled

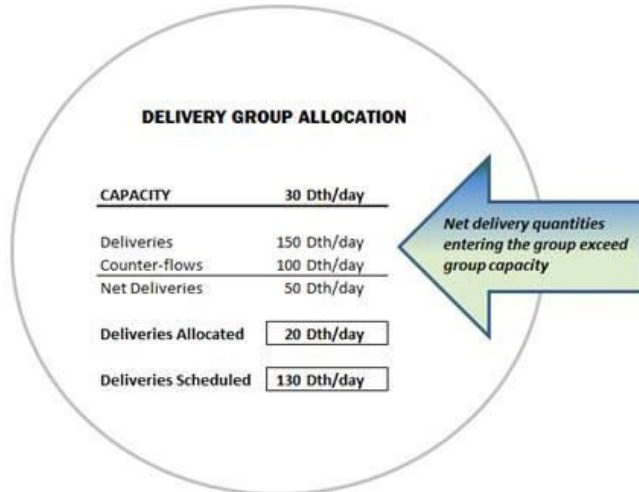
## BEAVER NORTH ALLOCATION GROUP (1025)



## BEAVER SYSTEM SOUTH ALLOCATION GROUP (13)

### Group Allocation Type: Delivery

A delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



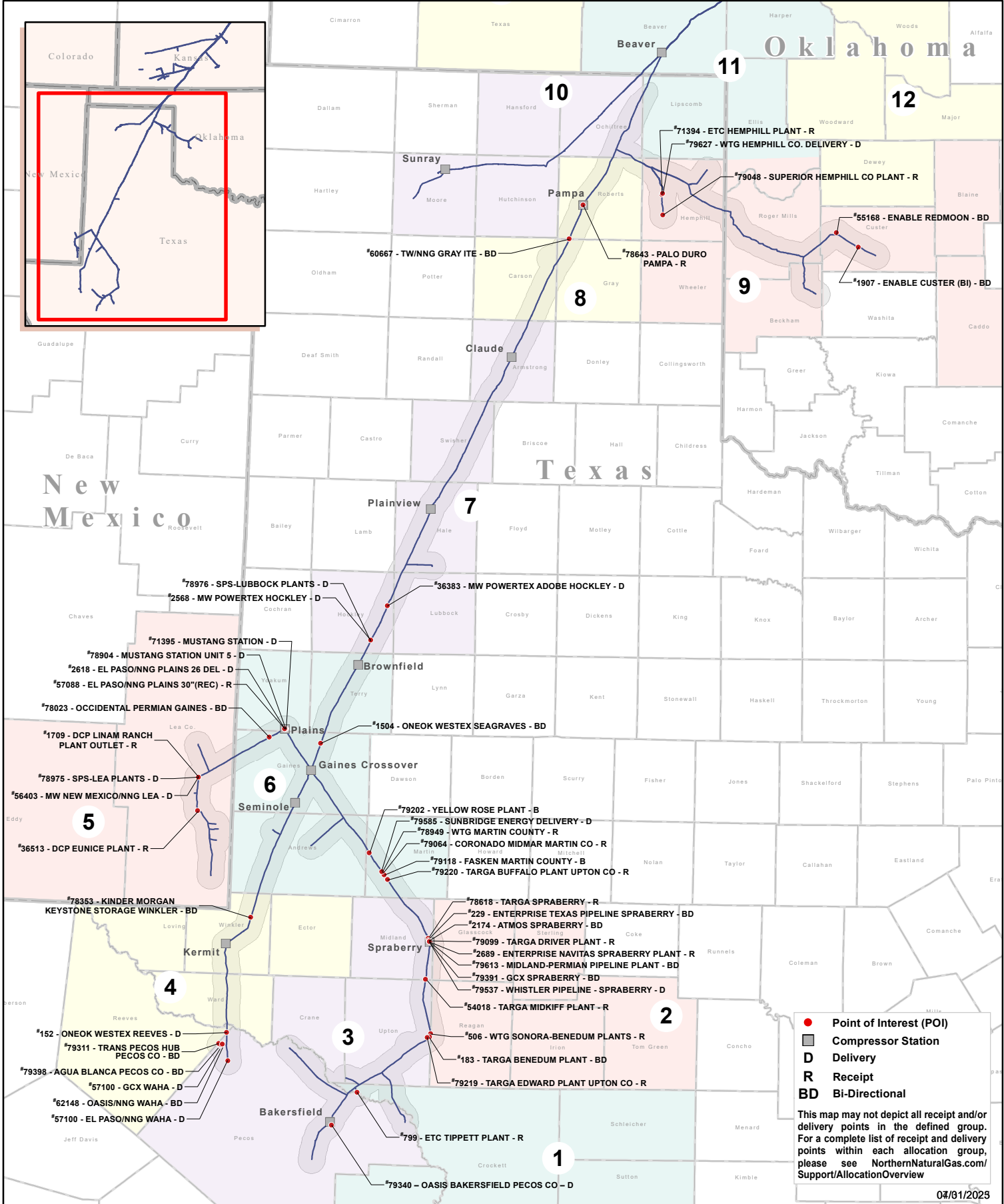
### Storage Usage

For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

Rate Schedule	INJ/WD	Transport R/D	Applicable Storage Points	
			Beaver System South MID's 1 thru 10	Beaver System South MID's 11 thru 16B
FDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
FDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled

Rate Schedule	INJ/WD	Pool R/D	Applicable Storage Points	
			Beaver System South MID's 1 thru 10	Beaver System South MID's 11 thru 16B
FDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
FDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled

## BEAVER SYSTEM SOUTH ALLOCATION GROUP (13)

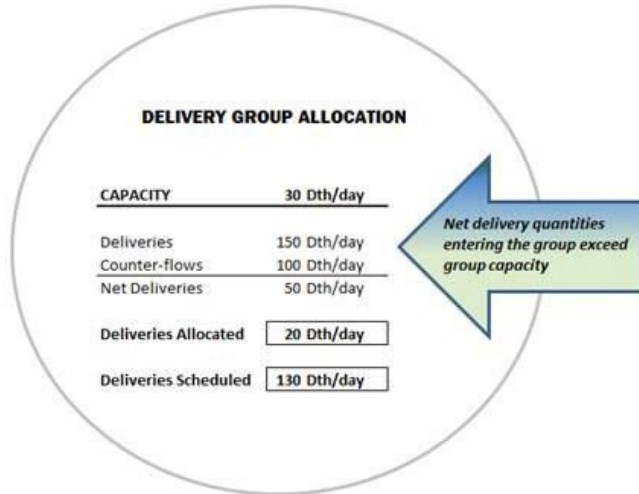


This map may not depict all receipt and/or delivery points in the defined group. For a complete list of receipt and delivery points within each allocation group, please see [NorthernNaturalGas.com/Support/AllocationOverview](http://NorthernNaturalGas.com/Support/AllocationOverview)

## BROWNFIELD NORTH ALLOCATION GROUP (1022)

### Group Allocation Type: Delivery

A delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



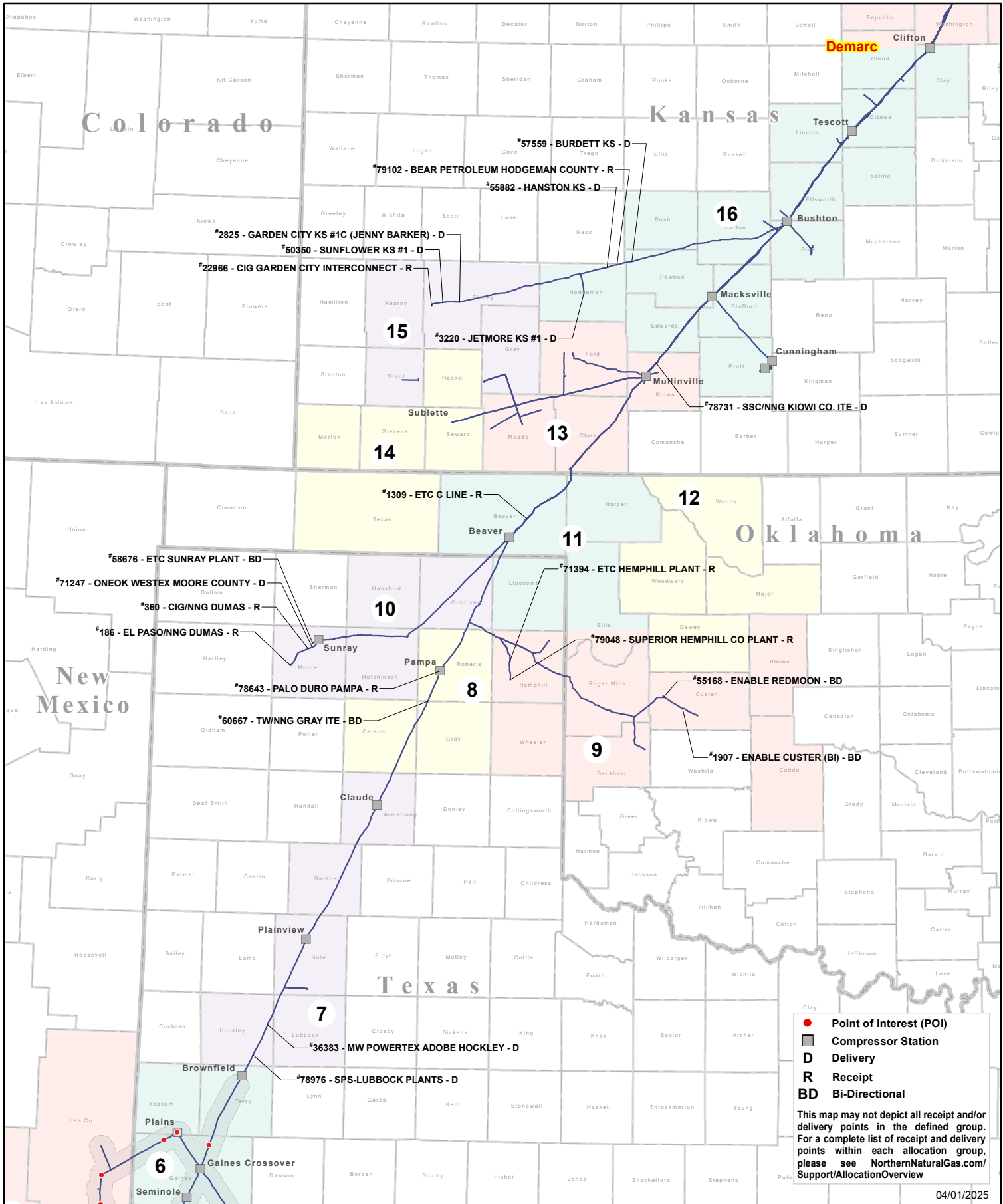
### Storage Usage

For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

Rate Schedule	INJ/WD	Transport R/D	Applicable Storage Points	
			Brownfield North MIDs 1 thru 6	Brownfield North MIDs 7 thru 16B
FDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
FDD	INJ	D	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	INJ	D	Impacted	Not Impacted
			SBS Disabled	SBS Enabled

Rate Schedule	INJ/WD	Pool R/D	Applicable Storage Points	
			Brownfield North MIDs 1 thru 6	Brownfield North MIDs 7 thru 16B
FDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
FDD	INJ	D	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	INJ	D	Impacted	Not Impacted
			SBS Disabled	SBS Enabled

## BROWNFIELD NORTH ALLOCATION GROUP (1022)

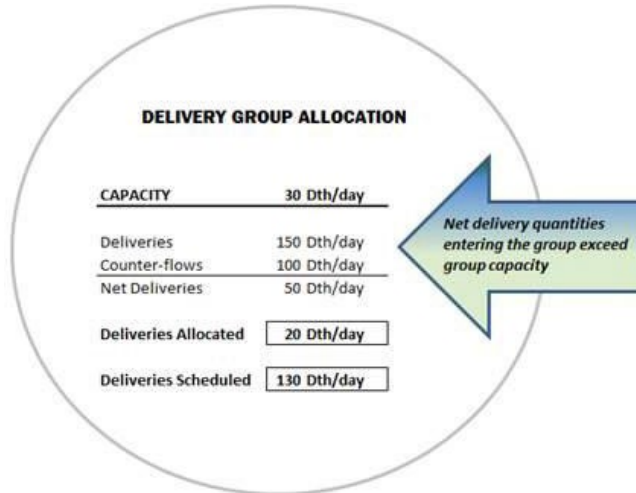




## BROWNFIELD SOUTH ALLOCATION GROUP (998)

### Group Allocation Type: Delivery

A delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



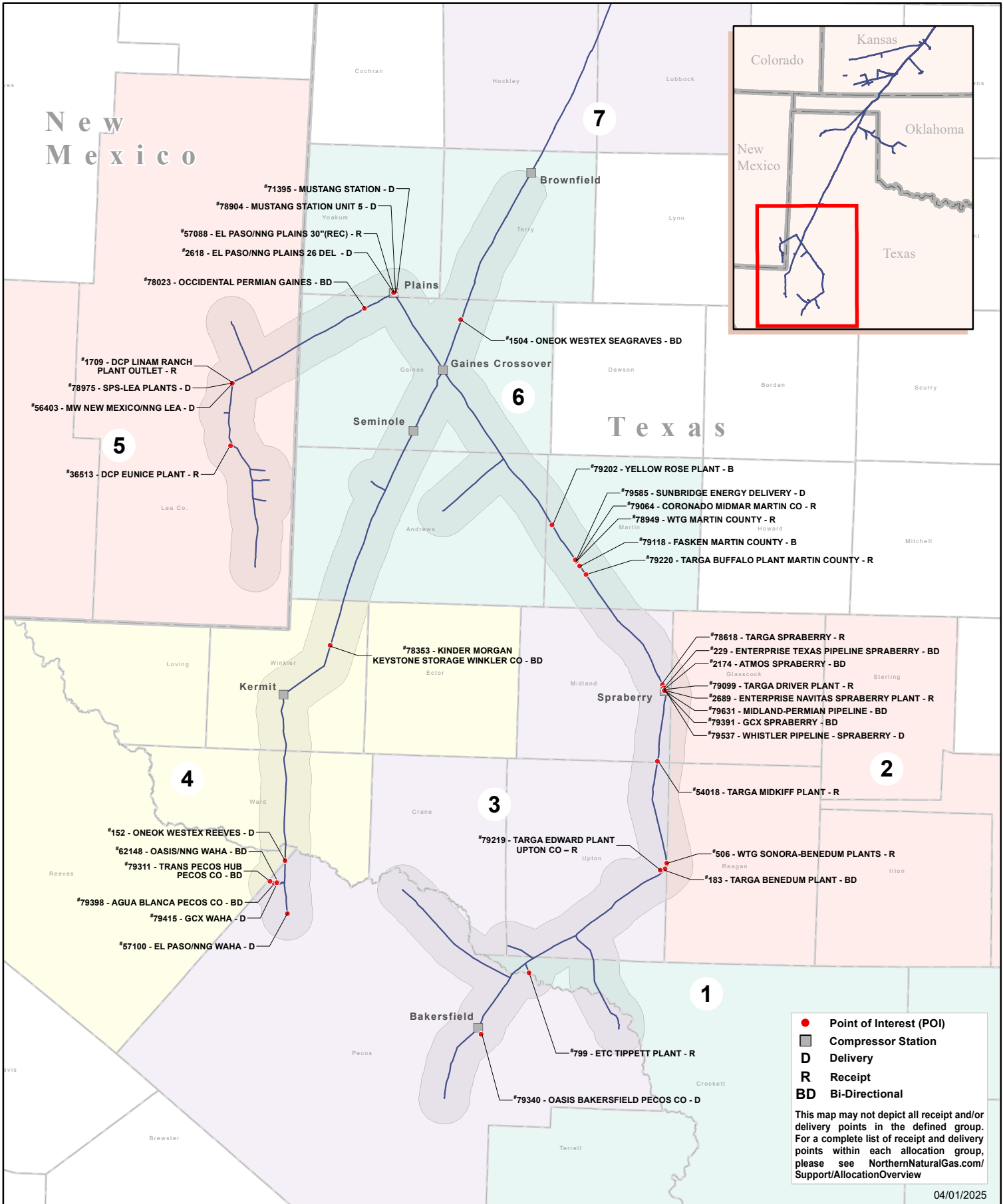
### Storage Usage

For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

Rate Schedule	INJ/WD	Transport R/D	Applicable Storage Points	
			Brownfield South MID's 1 thru 6	Brownfield South MID's 7 thru 16B
FDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
FDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled

Rate Schedule	INJ/WD	Pool R/D	Applicable Storage Points	
			Brownfield South MID's 1 thru 6	Brownfield South MID's 7 thru 16B
FDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
FDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled

## BROWNFIELD SOUTH ALLOCATION GROUP (998)

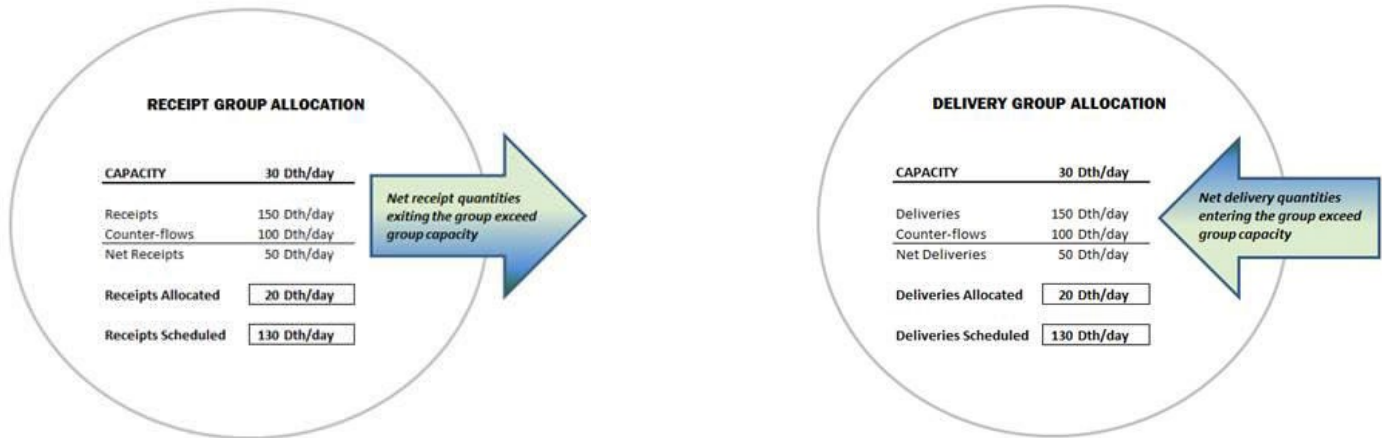


This map may not depict all receipt and/or delivery points in the defined group. For a complete list of receipt and delivery points within each allocation group, please see [NorthernNaturalGas.com/Support/AllocationOverview](http://NorthernNaturalGas.com/Support/AllocationOverview)

## EAST ROGER MILLS ALLOCATION GROUP (15)

### Group Allocation Type: Receipt or Delivery

A Field Area receipt group allocation will occur when the nominations at the receipt locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas out of the defined group of points. Conversely, a Field Area delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



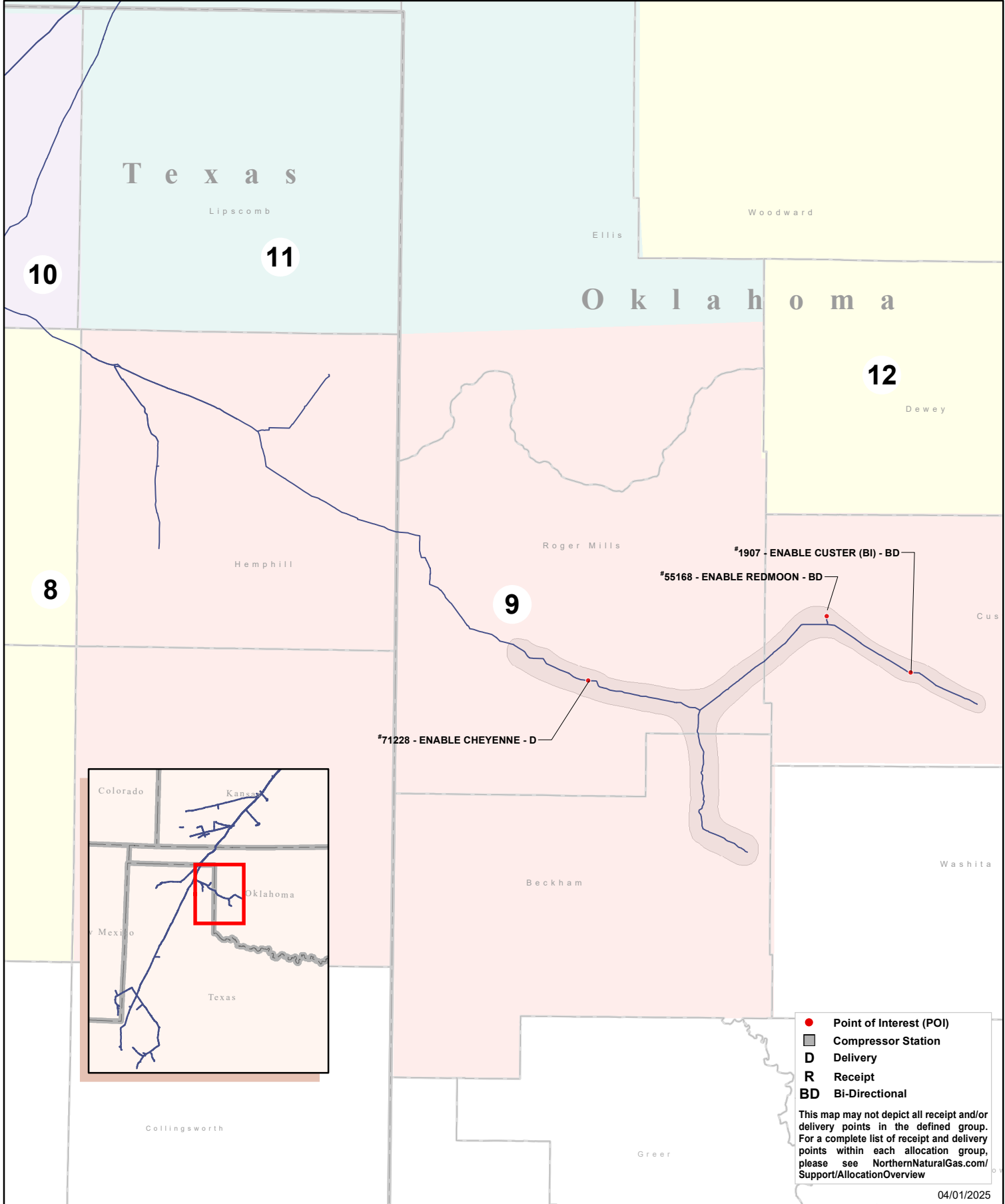
### Storage Usage

For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

Rate Schedule	INJ/WD	Transport R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
FDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled
PDD IDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled

Rate Schedule	INJ/WD	Pool R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
FDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled

## EAST ROGER MILLS ALLOCATION GROUP (15)



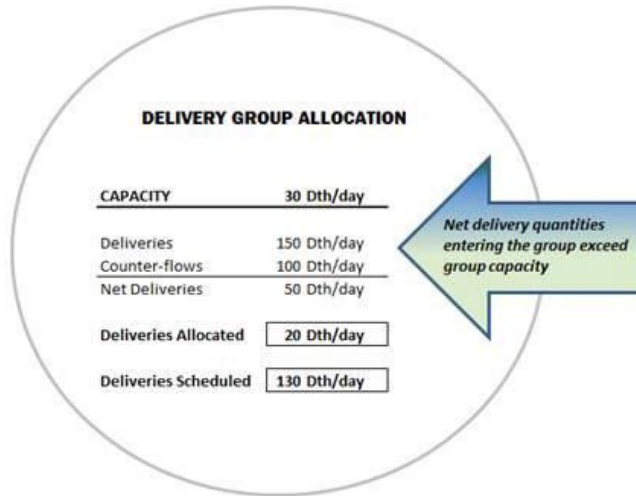
● Point of Interest (POI)  
 ■ Compressor Station  
 D Delivery  
 R Receipt  
 BD Bi-Directional  
 This map may not depict all receipt and/or delivery points in the defined group. For a complete list of receipt and delivery points within each allocation group, please see [NorthernNaturalGas.com/Support/AllocationOverview](http://NorthernNaturalGas.com/Support/AllocationOverview)



## FIELD TO DEMARC ALLOCATION GROUP (831)

### Group Allocation Type: Delivery

A delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.

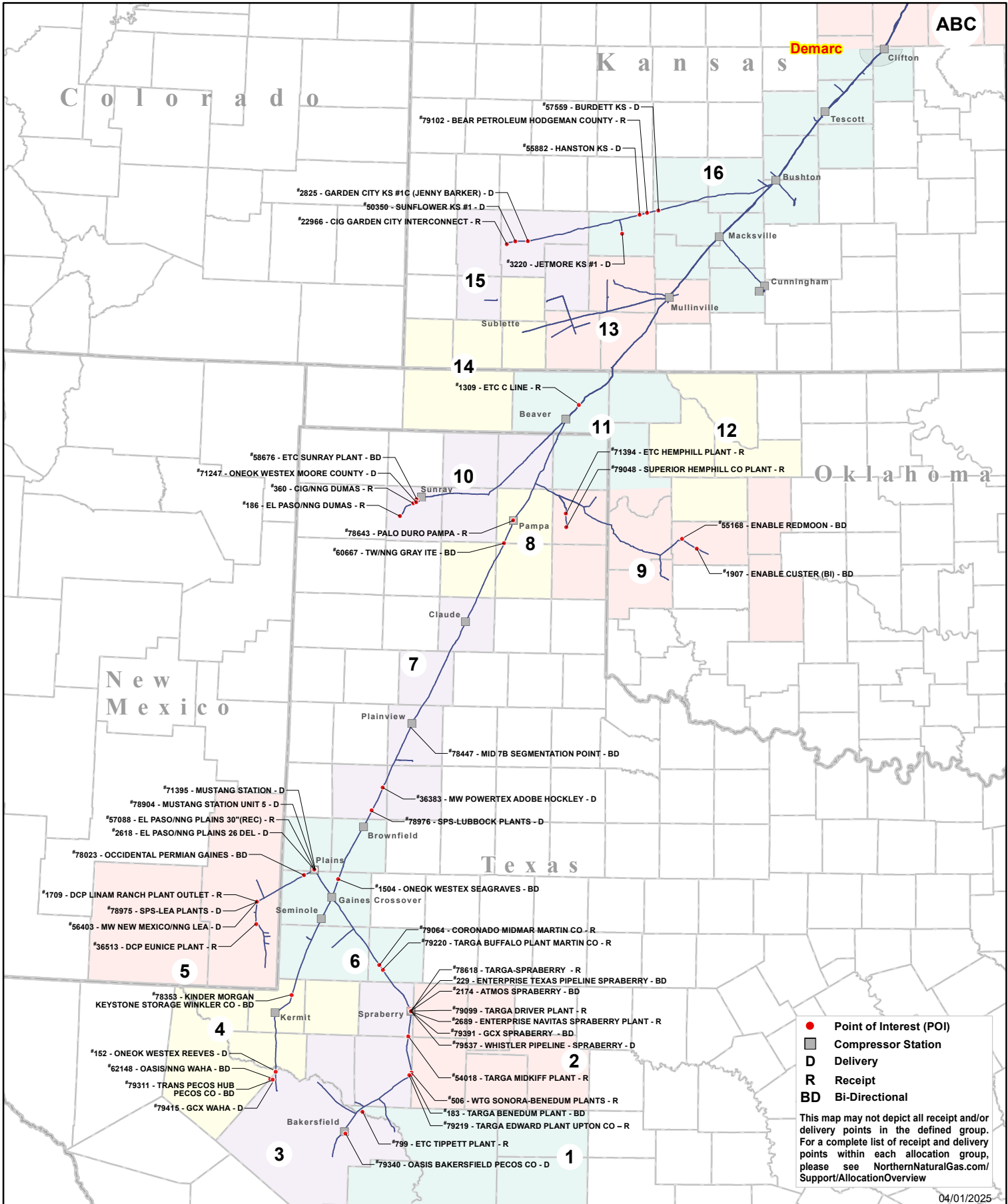


### Storage Usage

The matrix below illustrates the impact to transportation activity and Storage Balancing Service (SBS) at Demarc when a Field to Demarc group allocation occurs.

Rate Schedule	INJ/WD	Transport R/D	Storage Point					
			Field Area Storage	62389 Demarc Def. Delivery	71459 MID 17 Storage Pooling Point	98 Ogden Def. Delivery	71460 Ventura Def. Delivery	78126 Pleasant Valley Def. Delivery
FDD	WD	R	Not Impacted	Not Impacted	Not Impacted	Not Impacted	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled	SBS Enabled	SBS Enabled	SBS Enabled	SBS Enabled
PDD IDD	WD	R	Not Impacted	Not Impacted	Not Impacted	Not Impacted	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled	SBS Enabled	SBS Enabled	SBS Enabled	SBS Enabled
FDD	INJ	D	Not Impacted	Not Impacted	Not Impacted	Not Impacted	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled	SBS Enabled	SBS Enabled	SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Not Impacted	Not Impacted	Not Impacted	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled	SBS Enabled	SBS Enabled	SBS Enabled	SBS Enabled
			Noted exception: SBS disabled for system-generated Field Area transportation paths for delivery to Demarc or Demarc Deferred.					
			Noted exception: SBS disabled for confirmation process in cycle where confirmation process follows the storage allocation process (all non-Timely cycles) and storage has been allocated.					

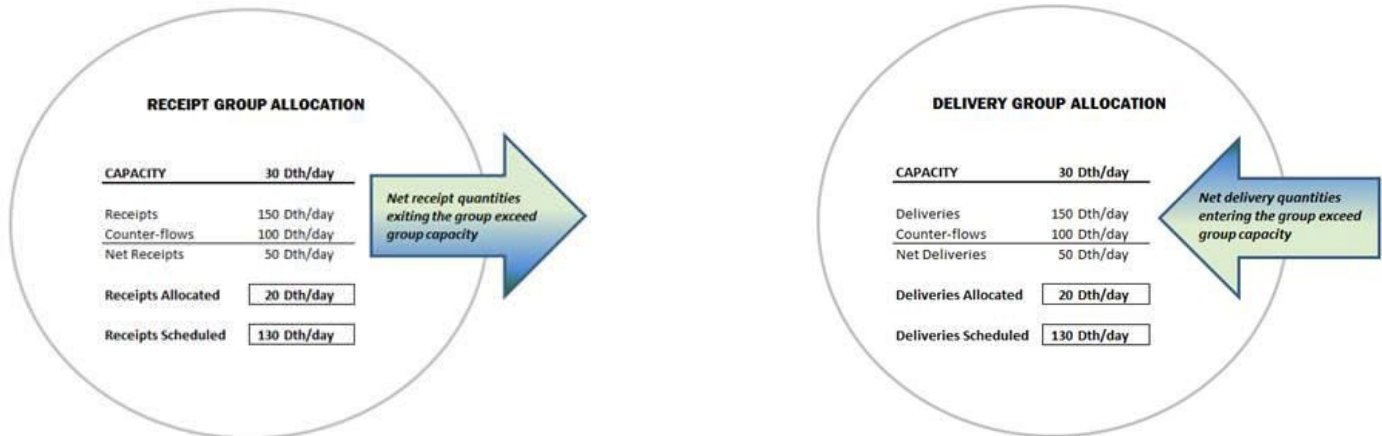
## FIELD TO DEMARC ALLOCATION GROUP (831)



## HEMPHILL SYSTEM ALLOCATION GROUP (747)

### Group Allocation Type: Receipt or Delivery

A Field Area receipt group allocation will occur when the nominations at the receipt locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas out of the defined group of points. Conversely, a Field Area delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



### Storage Usage

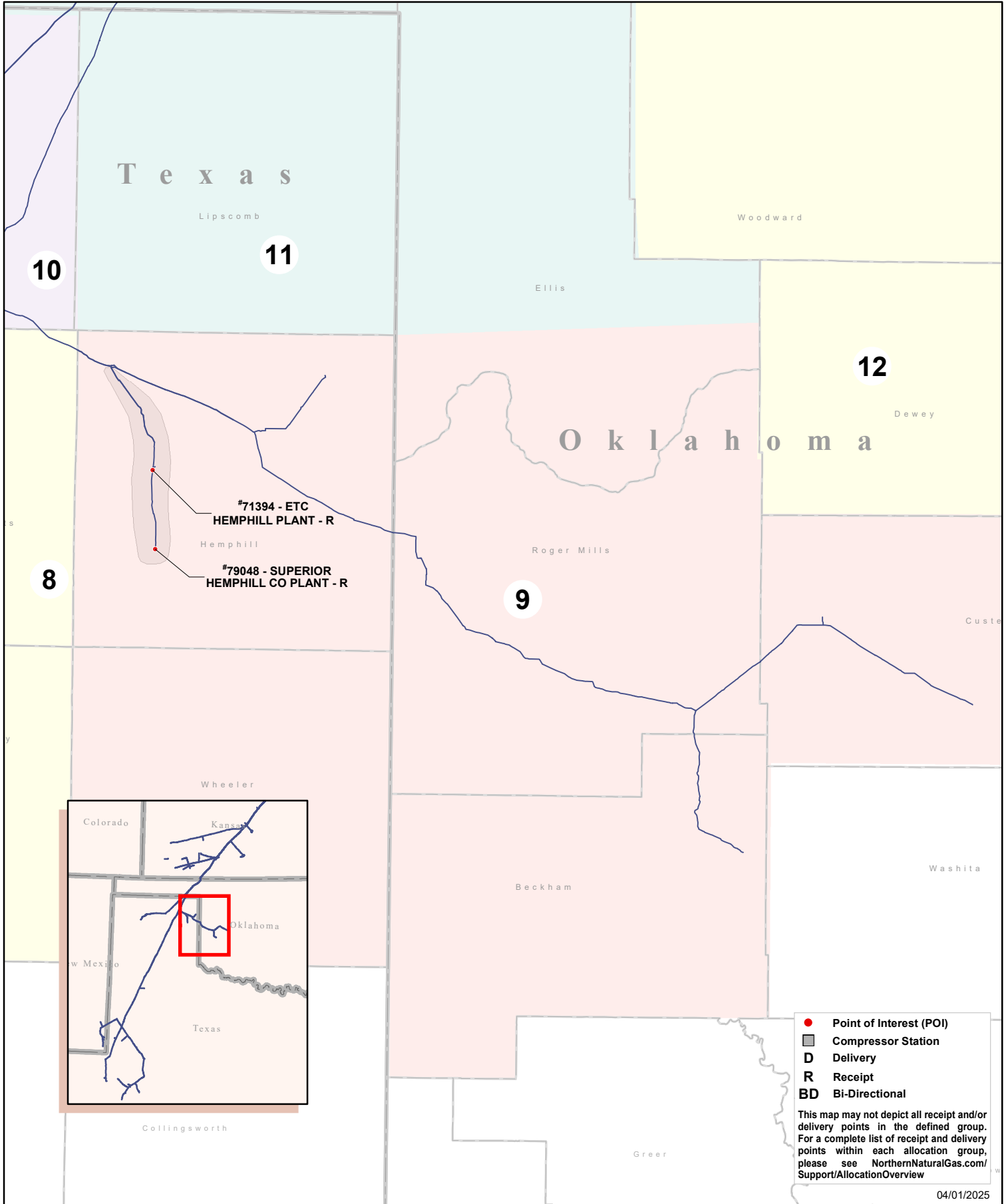
For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

Rate Schedule	INJ/WD	Transport R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
FDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled
PDD IDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled

Rate Schedule	INJ/WD	Pool R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
FDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled



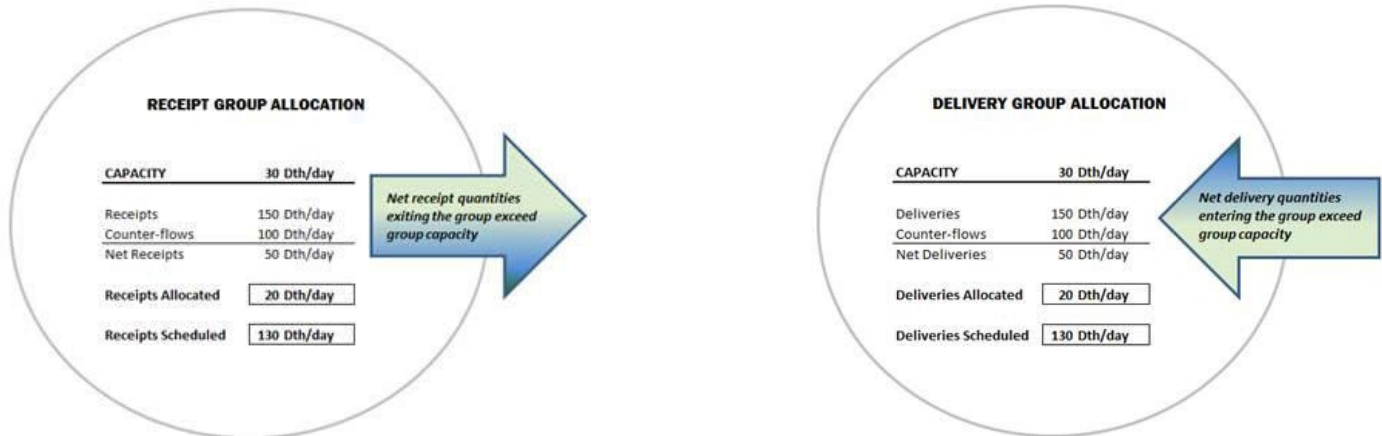
## HEMPHILL SYSTEM ALLOCATION GROUP (747)



## HOLCOMB BURDETT ALLOCATION GROUP (5)

### Group Allocation Type: Receipt or Delivery

A Field Area receipt group allocation will occur when the nominations at the receipt locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas out of the defined group of points. Conversely, a Field Area delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



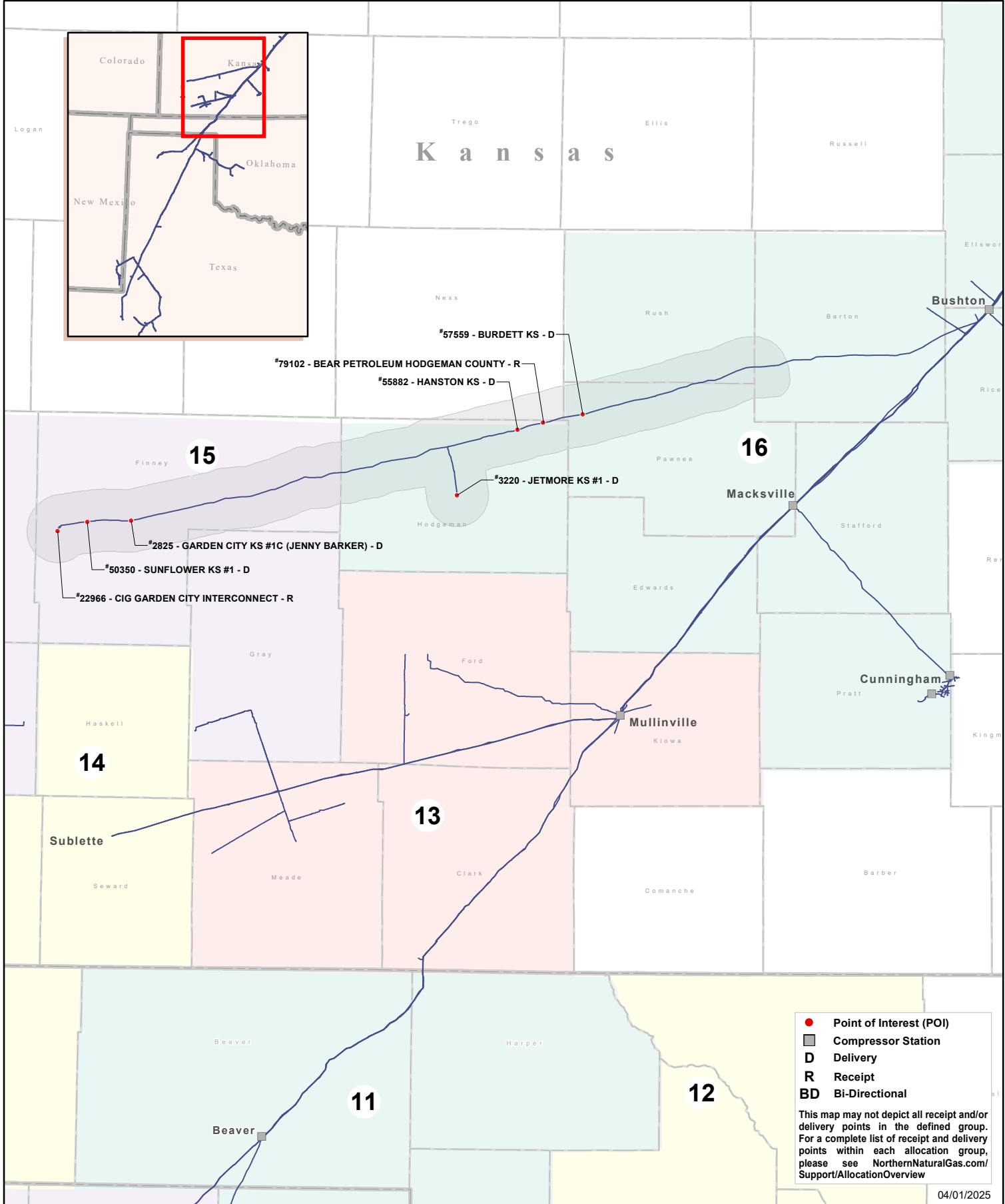
### Storage Usage

For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

Rate Schedule	INJ/WD	Transport R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
FDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled
PDD IDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled

Rate Schedule	INJ/WD	Pool R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
FDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled

## HOLCOMB BURDETT ALLOCATION GROUP (5)



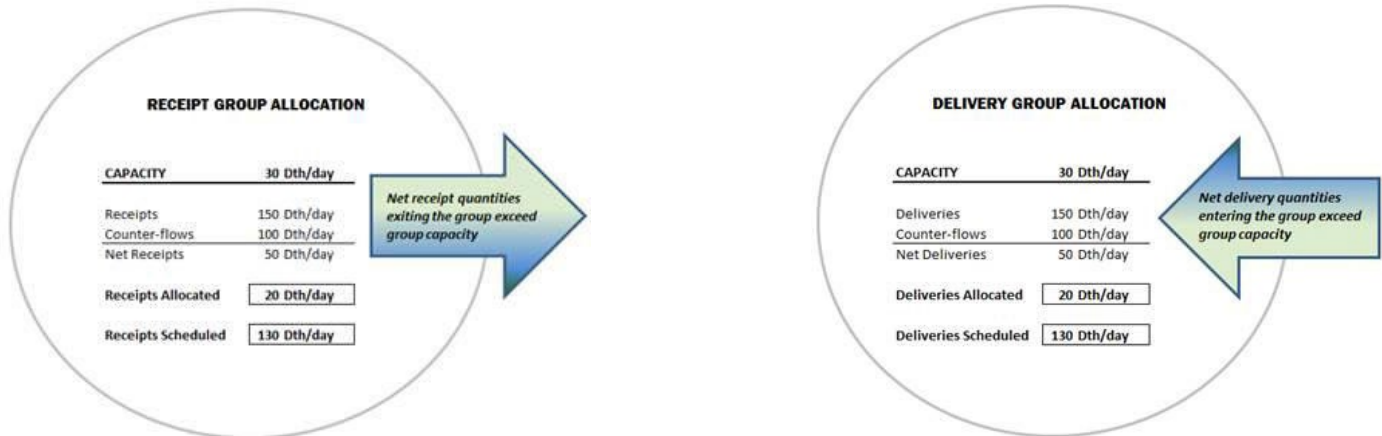
- Point of Interest (POI)
- Compressor Station
- D Delivery
- R Receipt
- BD Bi-Directional

This map may not depict all receipt and/or delivery points in the defined group. For a complete list of receipt and delivery points within each allocation group, please see [NorthernNaturalGas.com/Support/AllocationOverview](http://NorthernNaturalGas.com/Support/AllocationOverview)

## JAL TO GAINES ALLOCATION GROUP (824)

### Group Allocation Type: Receipt or Delivery

A Field Area receipt group allocation will occur when the nominations at the receipt locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas out of the defined group of points. Conversely, a Field Area delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



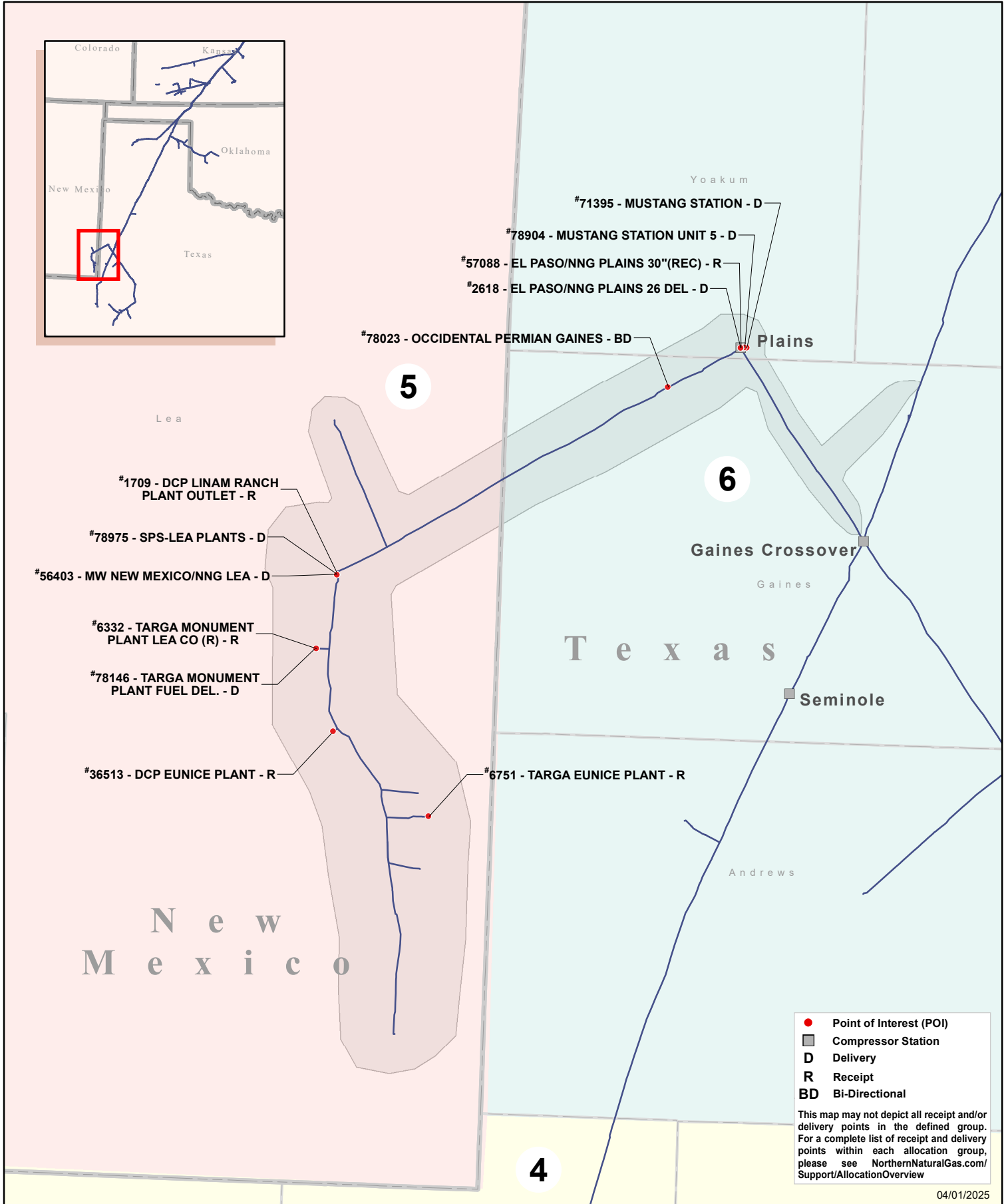
### Storage Usage

For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

Rate Schedule	INJ/WD	Transport R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
FDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled
PDD IDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled

Rate Schedule	INJ/WD	Pool R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
FDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled

## JAL TO GAINES ALLOCATION GROUP (824)



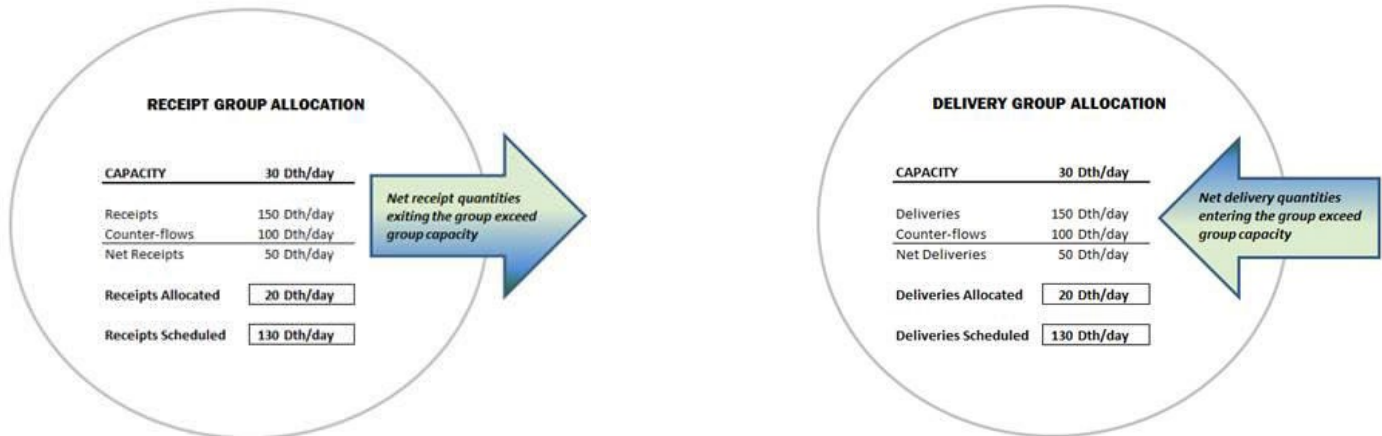
● Point of Interest (POI)  
 Compressor Station  
**D** Delivery  
**R** Receipt  
**BD** Bi-Directional

This map may not depict all receipt and/or delivery points in the defined group. For a complete list of receipt and delivery points within each allocation group, please see [NorthernNaturalGas.com/Support/AllocationOverview](http://NorthernNaturalGas.com/Support/AllocationOverview)

## JAL TO HOBBS ALLOCATION GROUP (738)

### Group Allocation Type: Receipt or Delivery

A Field Area receipt group allocation will occur when the nominations at the receipt locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas out of the defined group of points. Conversely, a Field Area delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



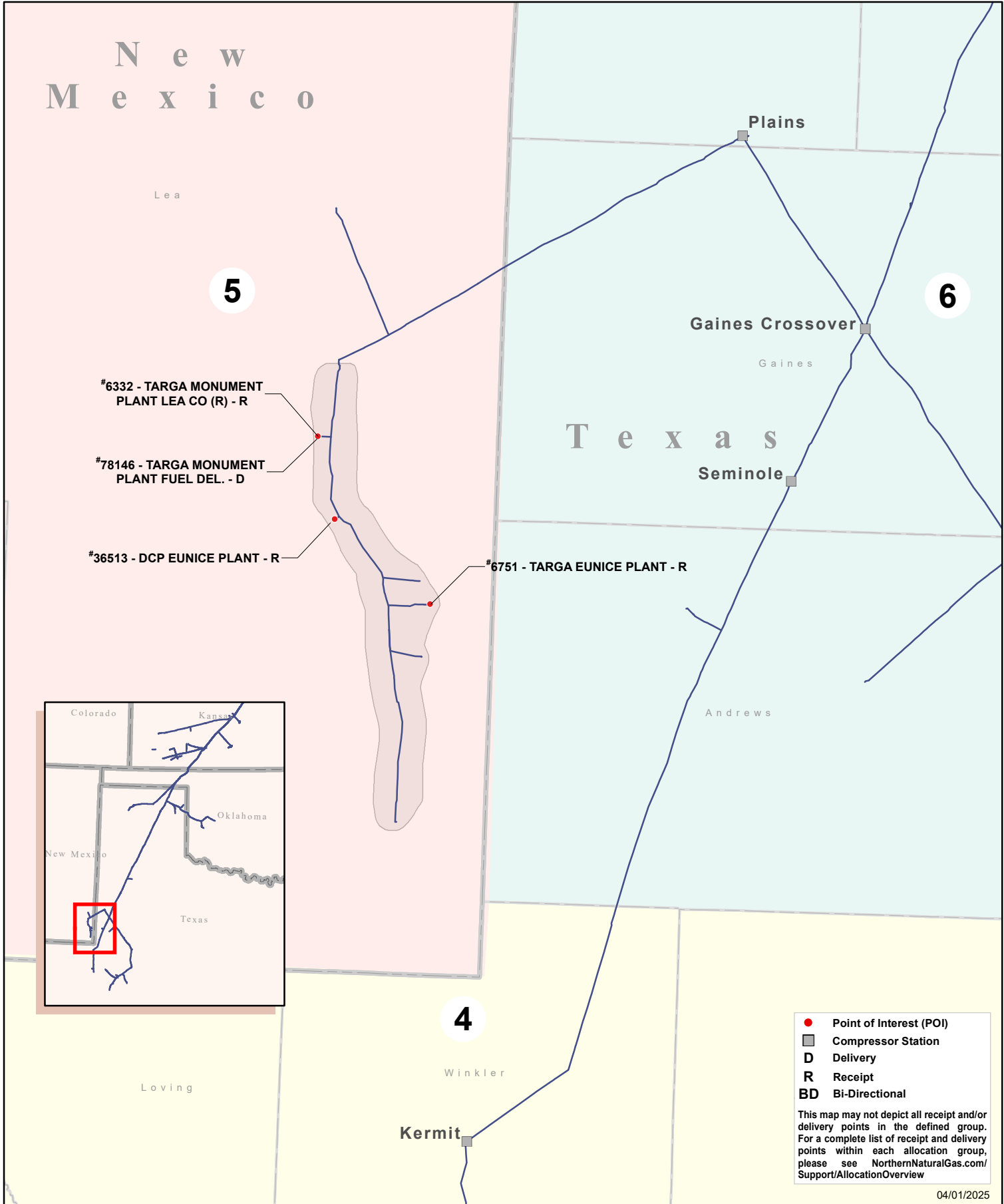
### Storage Usage

For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

Rate Schedule	INJ/WD	Transport R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
FDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled
PDD IDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled

Rate Schedule	INJ/WD	Pool R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
FDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled

### JAL TO HOBBS ALLOCATION GROUP (738)

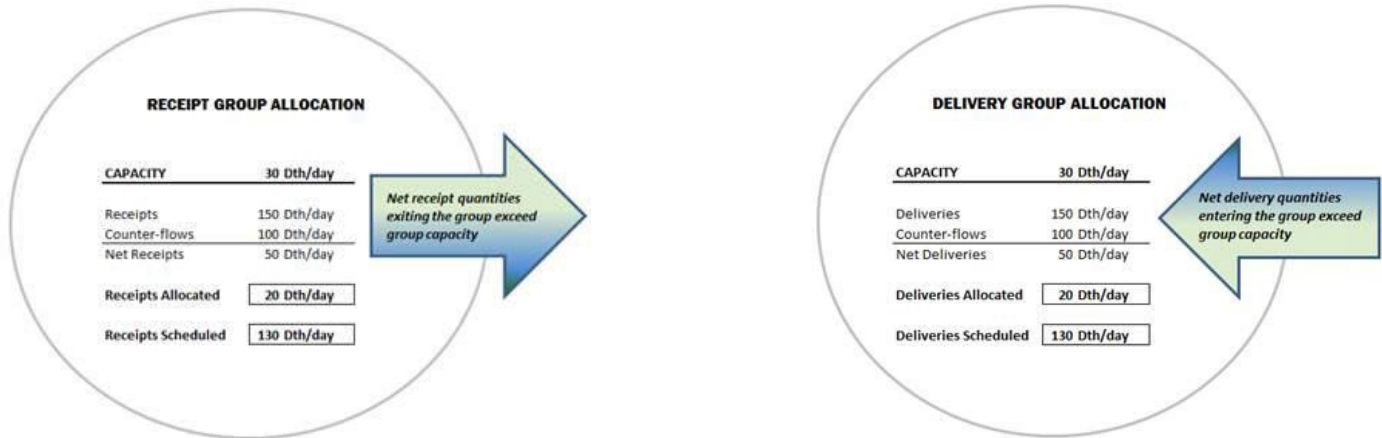




## JAL-HOBBS-PLAINS SYSTEM ALLOCATION GROUP (605)

### Group Allocation Type: Receipt or Delivery

A Field Area receipt group allocation will occur when the nominations at the receipt locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas out of the defined group of points. Conversely, a Field Area delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



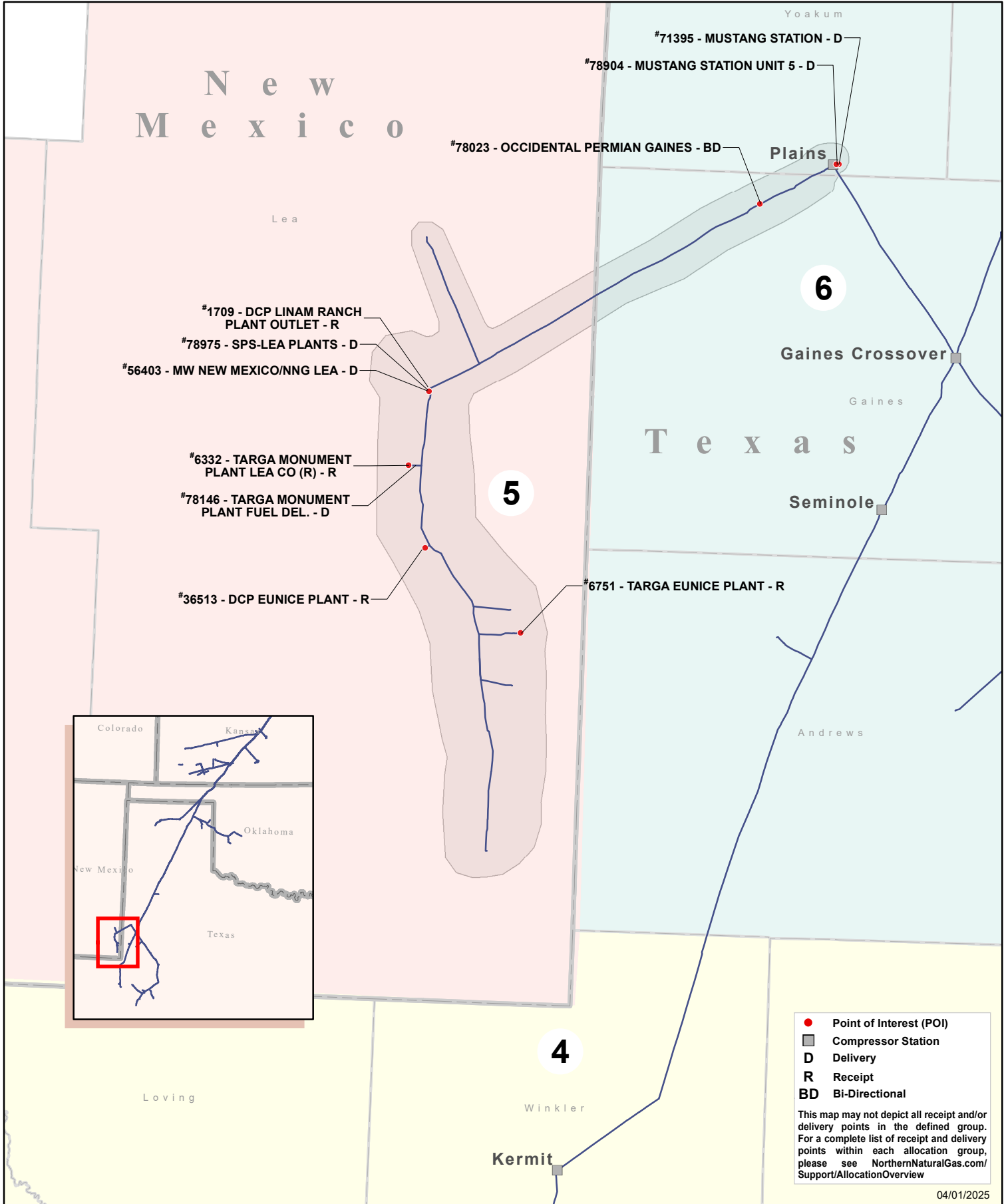
### Storage Usage

For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

Rate Schedule	INJ/WD	Transport R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
FDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled
PDD IDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled

Rate Schedule	INJ/WD	Pool R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
FDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled

## JAL-HOBBS-PLAINS ALLOCATION GROUP (605)



New  
Mexico

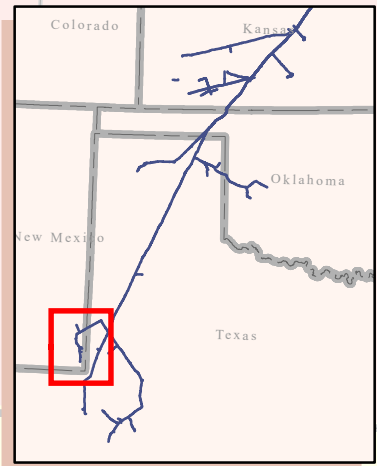
Texas

- #1709 - DCP LINAM RANCH PLANT OUTLET - R
- #78975 - SPS-LEA PLANTS - D
- #56403 - MW NEW MEXICO/NNG LEA - D
- #6332 - TARGA MONUMENT PLANT LEA CO (R) - R
- #78146 - TARGA MONUMENT PLANT FUEL DEL. - D
- #36513 - DCP EUNICE PLANT - R

- #71395 - MUSTANG STATION - D
- #78904 - MUSTANG STATION UNIT 5 - D

#78023 - OCCIDENTAL PERMIAN GAINES - BD

#6751 - TARGA EUNICE PLANT - R



**●** Point of Interest (POI)

**■** Compressor Station

**D** Delivery

**R** Receipt

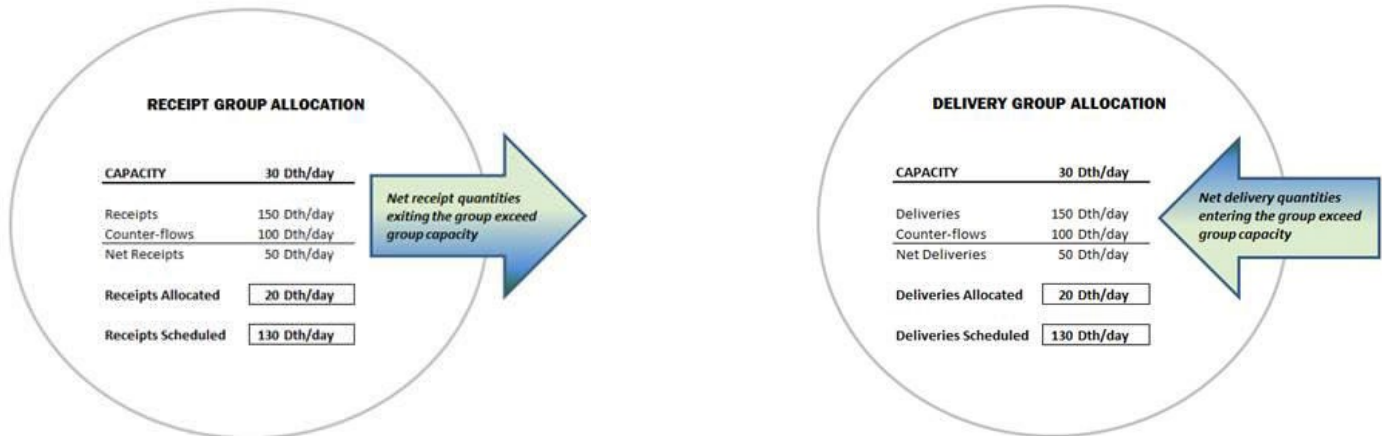
**BD** Bi-Directional

This map may not depict all receipt and/or delivery points in the defined group. For a complete list of receipt and delivery points within each allocation group, please see [NorthernNaturalGas.com/Support/AllocationOverview](http://NorthernNaturalGas.com/Support/AllocationOverview)

## MITCHELL TO GAINES ALLOCATION GROUP (825)

### Group Allocation Type: Receipt or Delivery

A Field Area receipt group allocation will occur when the nominations at the receipt locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas out of the defined group of points. Conversely, a Field Area delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



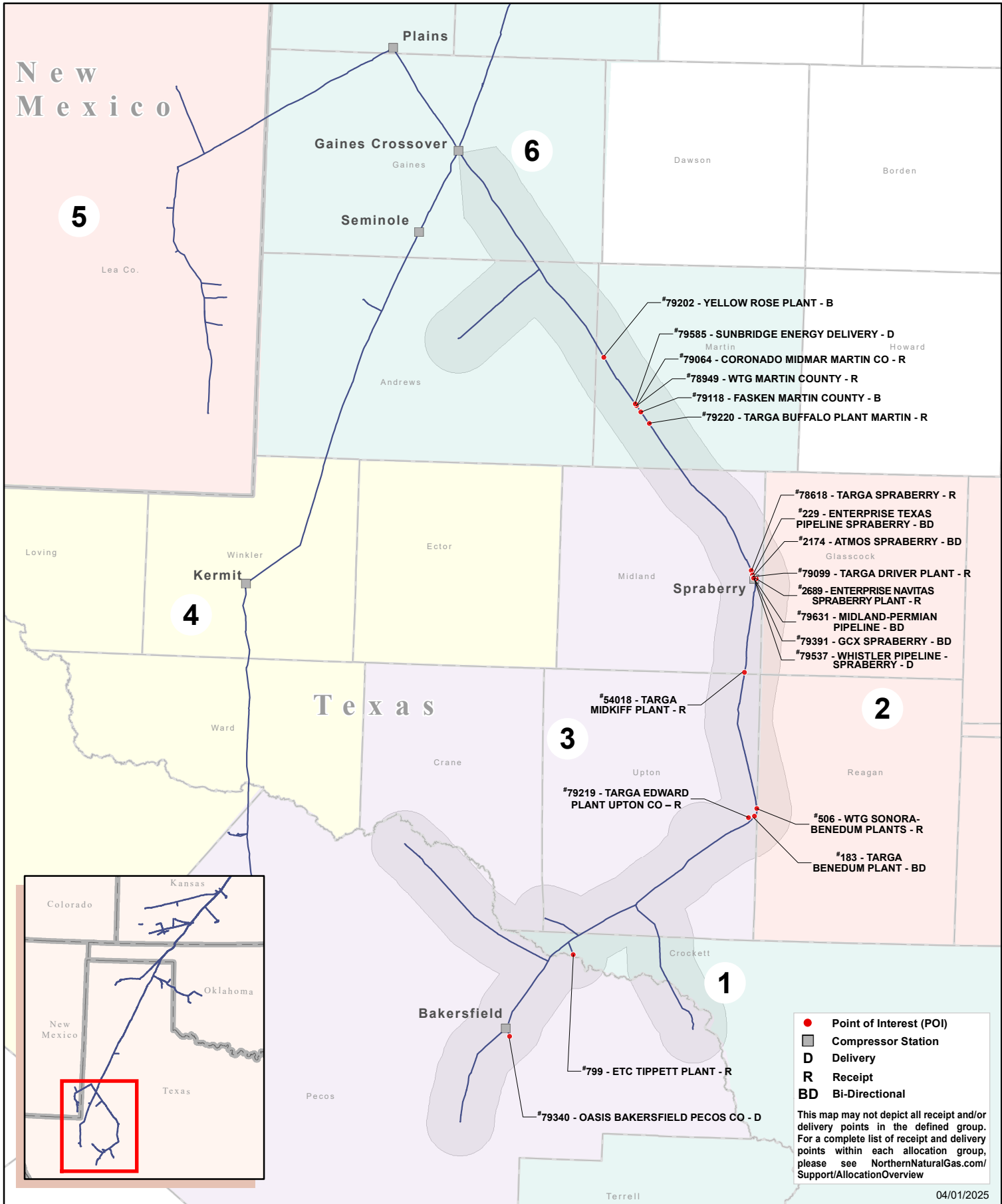
### Storage Usage

For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

Rate Schedule	INJ/WD	Transport R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
FDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled
PDD IDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled

Rate Schedule	INJ/WD	Pool R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
FDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled

## MITCHELL TO GAINES ALLOCATION GROUP (825)

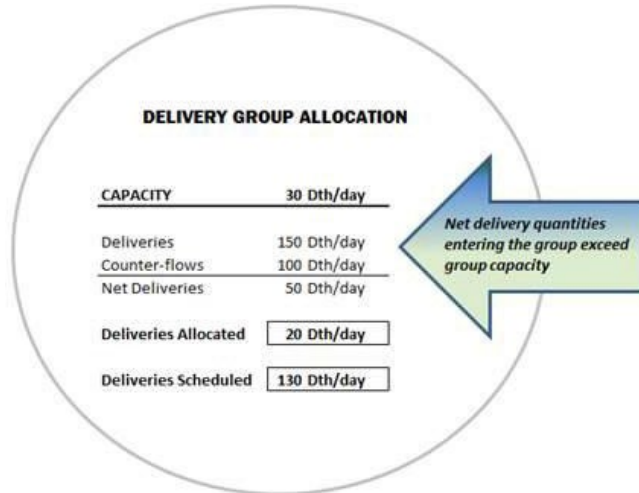




## MITCHELL TO PLYMOUTH ALLOCATION GROUP (760)

### Group Allocation Type: Delivery

A delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



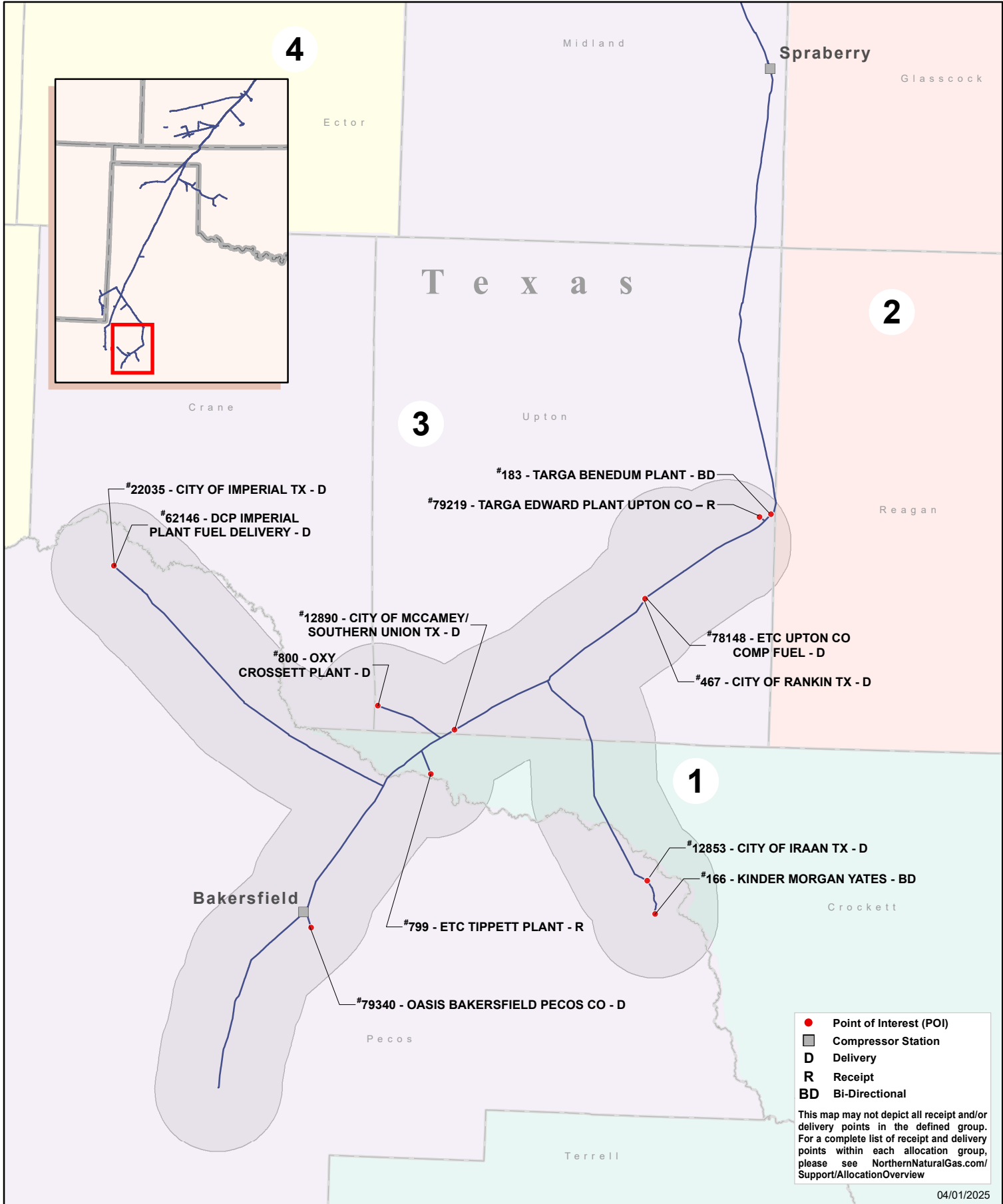
### Storage Usage

For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

Rate Schedule	INJ/WD	Transport R/D	Applicable Storage Points	
			Mitchell to Plymouth MIDs 1 Thru 3	Mitchell to Plymouth MIDs 4 thru 16b
FDD	WD	R	Disabled	Disabled
			SBS Disabled	SBS Disabled
PDD IDD	WD	R	Disabled	Disabled
			SBS Disabled	SBS Disabled
FDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Enabled

Rate Schedule	INJ/WD	Pool R/D	Applicable Storage Points	
			Mitchell to Plymouth MIDs 1 Thru 3	Mitchell to Plymouth MIDs 4 thru 16b
FDD	WD	R	Disabled	Disabled
			SBS Disabled	SBS Disabled
PDD IDD	WD	R	Disabled	Disabled
			SBS Disabled	SBS Disabled
FDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled

## MITCHELL TO PLYMOUTH ALLOCATION GROUP (760)

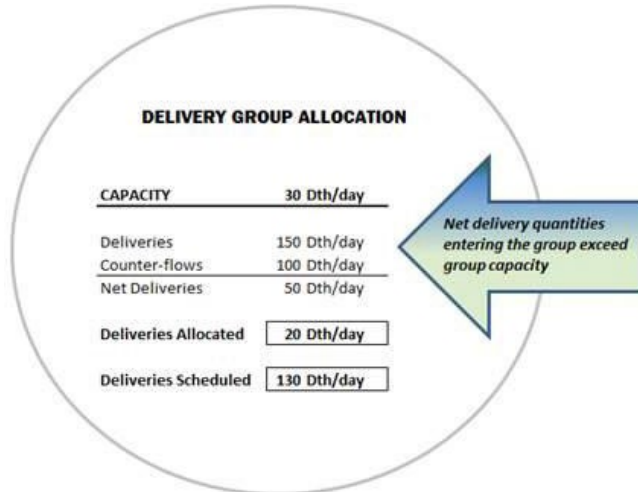




## PAMPA NORTH ALLOCATION GROUP (1023)

### Group Allocation Type: Delivery

A delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



### Storage Usage

For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

Rate Schedule	INJ/WD	Transport R/D	Applicable Storage Points	
			Pampa North MID's 1 thru 8	Pampa North MID's 9 thru 16B
FDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
FDD	INJ	D	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	INJ	D	Impacted	Not Impacted
			SBS Disabled	SBS Enabled

Rate Schedule	INJ/WD	Pool R/D	Applicable Storage Points	
			Pampa North MID's 1 thru 8	Pampa North MID's 9 thru 16B
FDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
FDD	INJ	D	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	INJ	D	Impacted	Not Impacted
			SBS Disabled	SBS Enabled

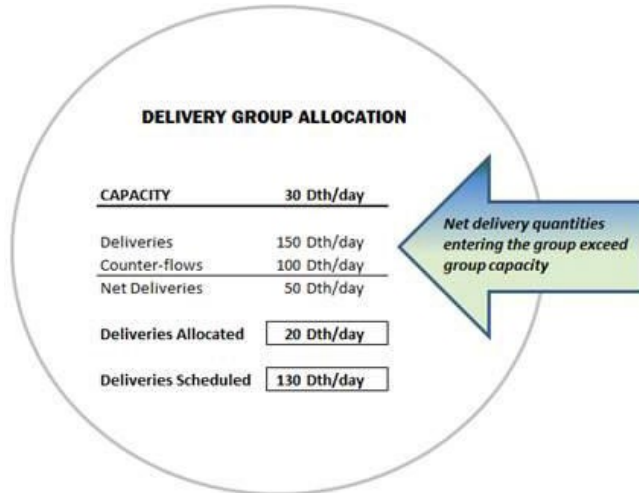




## PAMPA SOUTH ALLOCATION GROUP (19)

### Group Allocation Type: Delivery

A delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



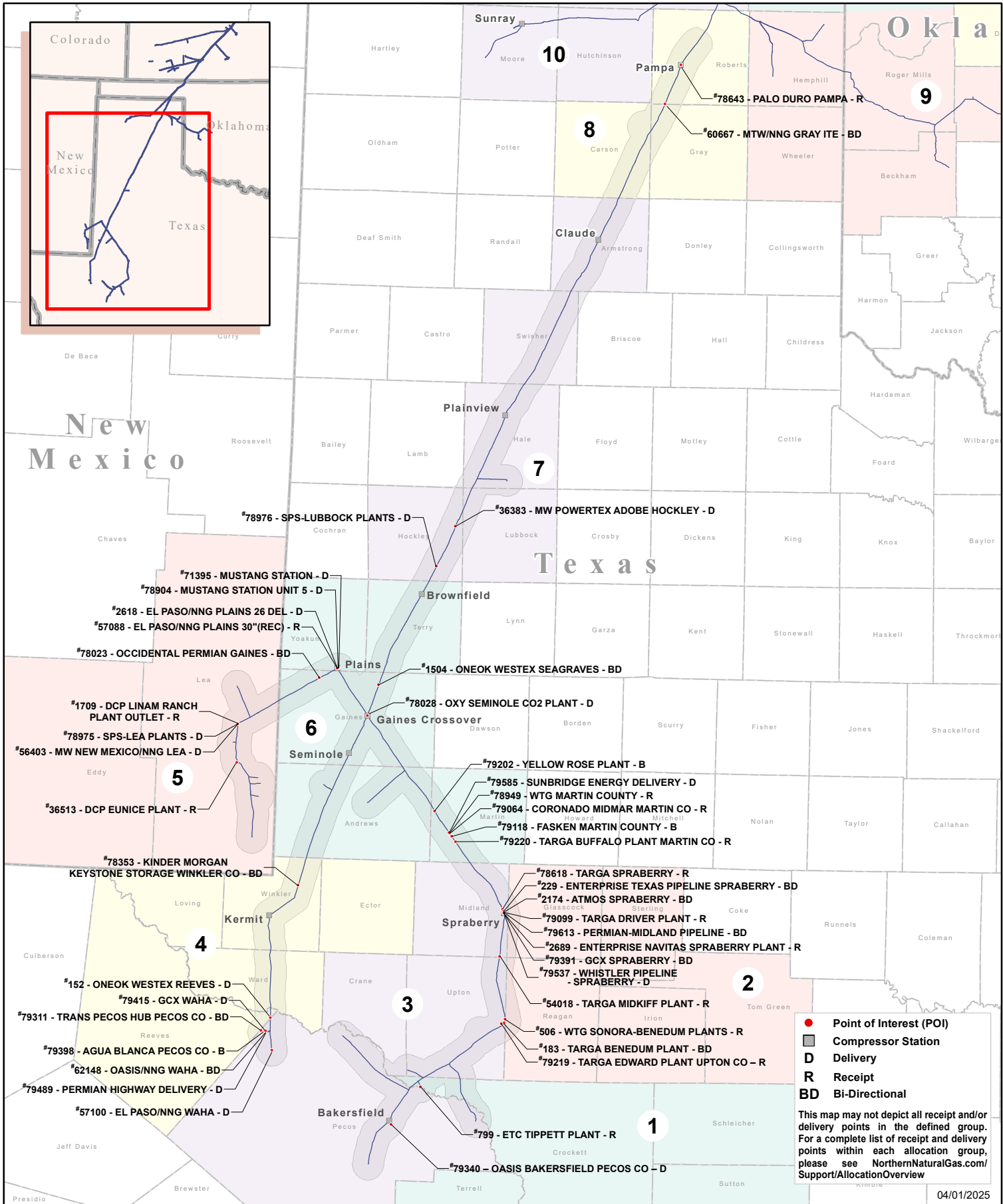
### Storage Usage

For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

Rate Schedule	INJ/WD	Transport R/D	Applicable Storage Points	
			Pampa MID's 1 thru 8	Pampa South MID's 9 thru 16B
FDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
FDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled

Rate Schedule	INJ/WD	Pool R/D	Applicable Storage Points	
			Pampa South MID's 1 thru 8	Pampa South MID's 9 thru 16B
FDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
FDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled

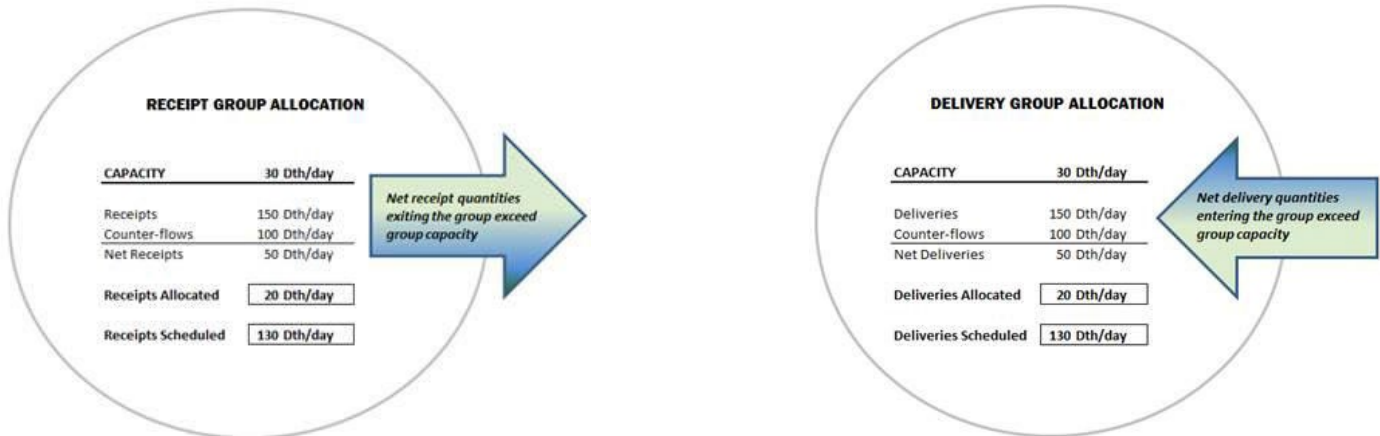
## PAMPA SOUTH ALLOCATION GROUP (19)



## PLYMOUTH TO SPRABERRY ALLOCATION GROUP (761)

### Group Allocation Type: Receipt or Delivery

A Field Area receipt group allocation will occur when the nominations at the receipt locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas out of the defined group of points. Conversely, a Field Area delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



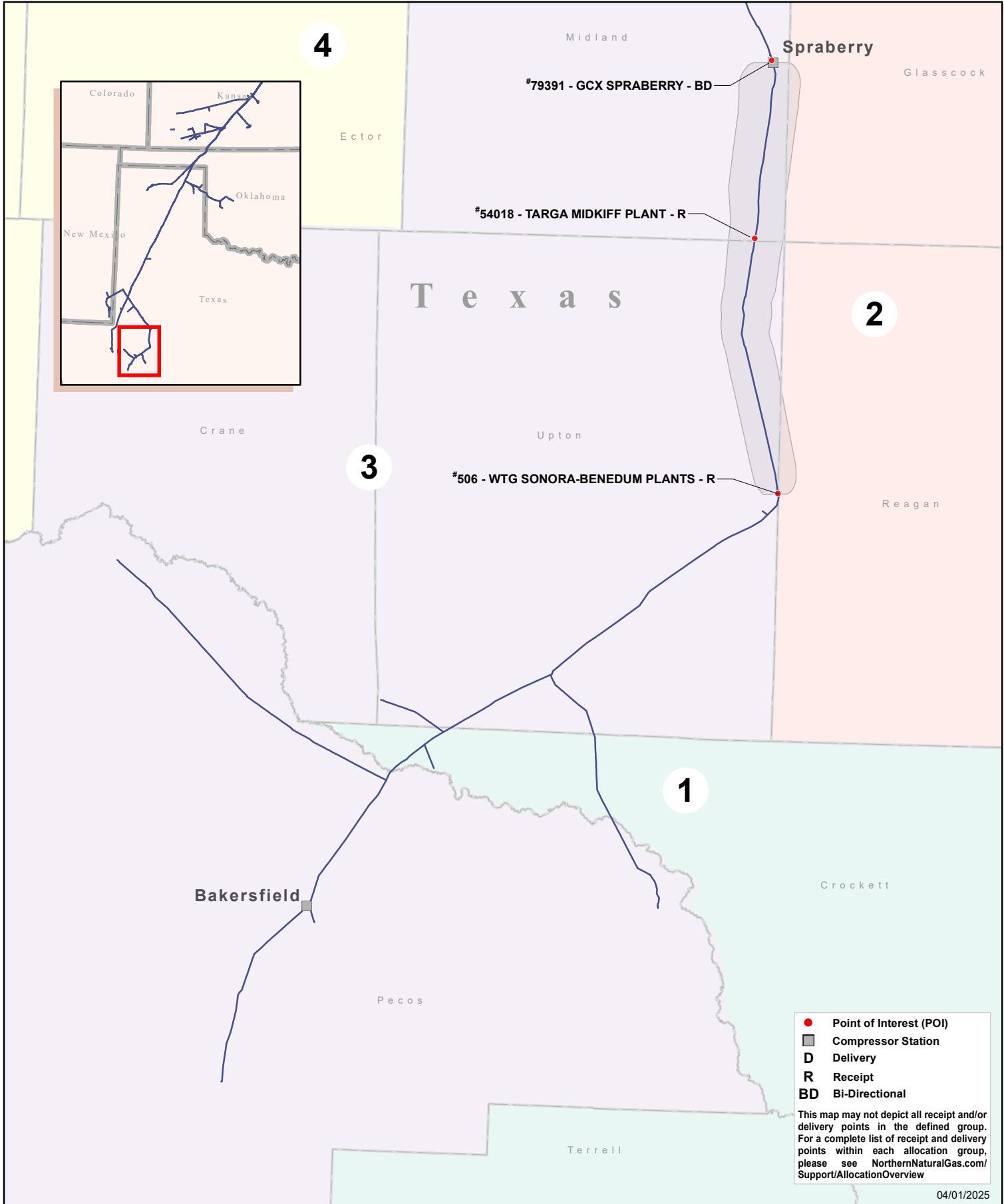
### Storage Usage

For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

Rate Schedule	INJ/ WD	Transport R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
FDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled
PDD IDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled

Rate Schedule	INJ/ WD	Pool R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
FDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled

## PLYMOUTH TO SPRABERRY ALLOCATION GROUP (761)



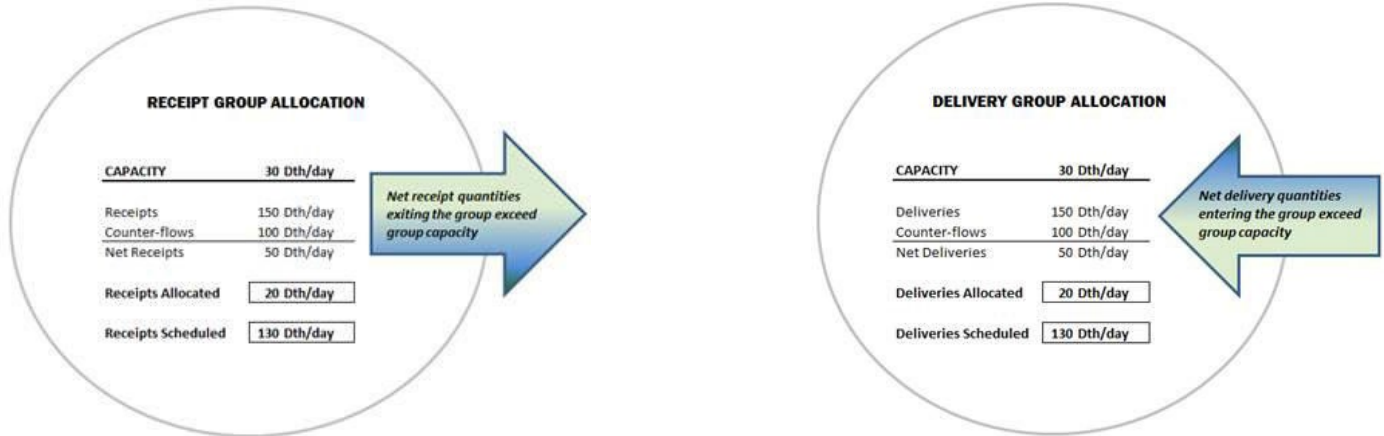
- Point of Interest (POI)
- Compressor Station
- D** Delivery
- R** Receipt
- BD** Bi-Directional

This map may not depict all receipt and/or delivery points in the defined group. For a complete list of receipt and delivery points within each allocation group, please see [NorthernNaturalGas.com/Support/AllocationOverview](http://NorthernNaturalGas.com/Support/AllocationOverview)

## ROGER MILLS HEMPHILL SYSTEM ALLOCATION GROUP (14)

### Group Allocation Type: Receipt or Delivery

A Field Area receipt group allocation will occur when the nominations at the receipt locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas out of the defined group of points. Conversely, a Field Area delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



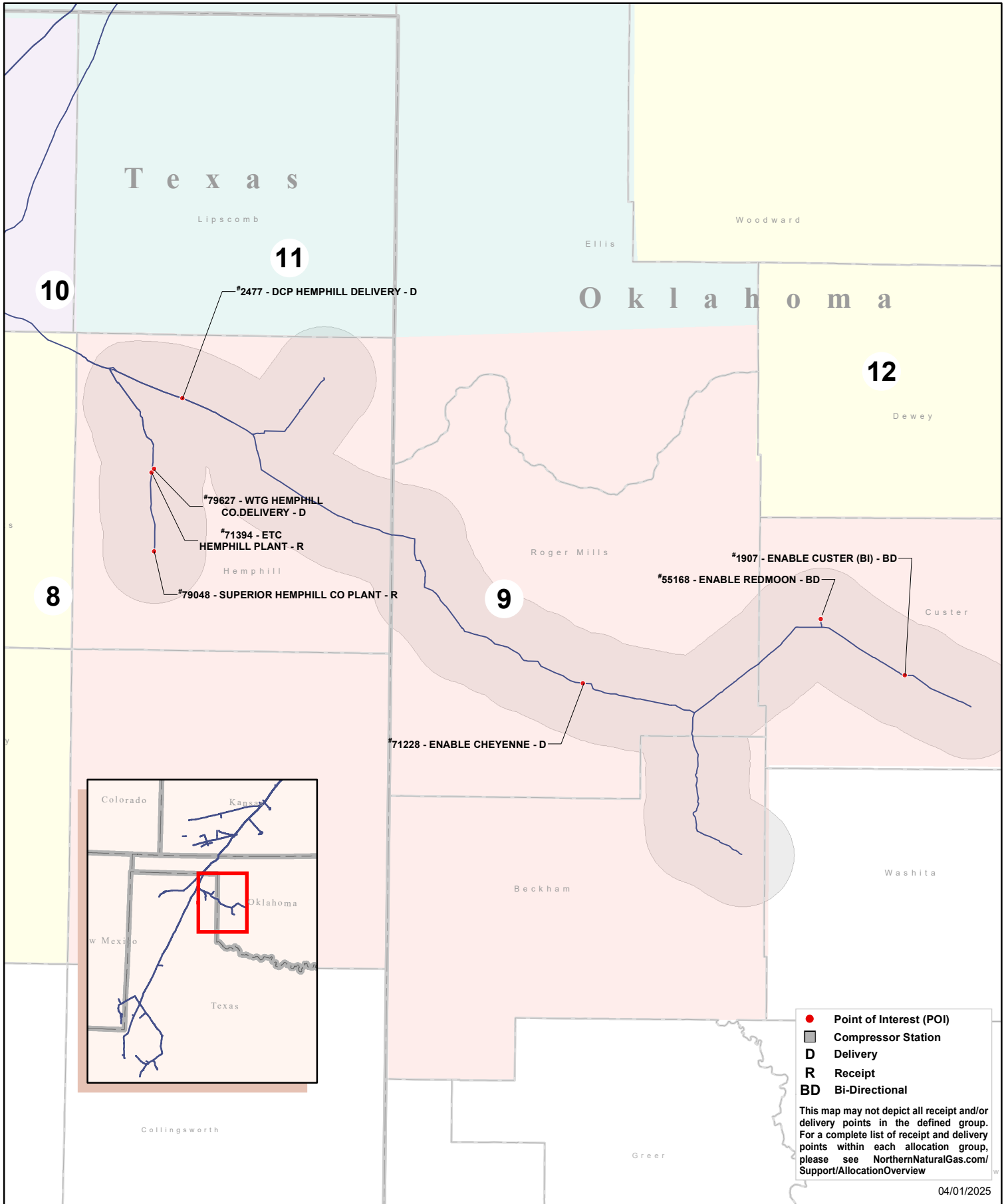
### Storage Usage

For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

Rate Schedule	INJ/WD	Transport R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
FDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled
PDD IDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled

Rate Schedule	INJ/WD	Pool R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
FDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled

## ROGER MILLS HEMPHILL ALLOCATION GROUP (14)

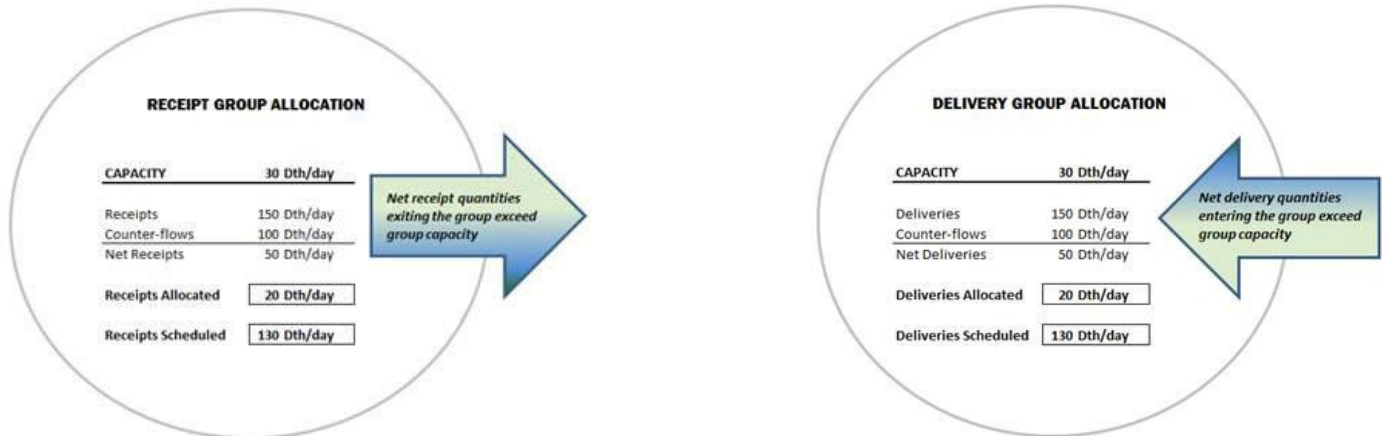




## ROGER MILLS SYSTEM ALLOCATION GROUP (16)

### Group Allocation Type: Receipt or Delivery

A Field Area receipt group allocation will occur when the nominations at the receipt locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas out of the defined group of points. Conversely, a Field Area delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



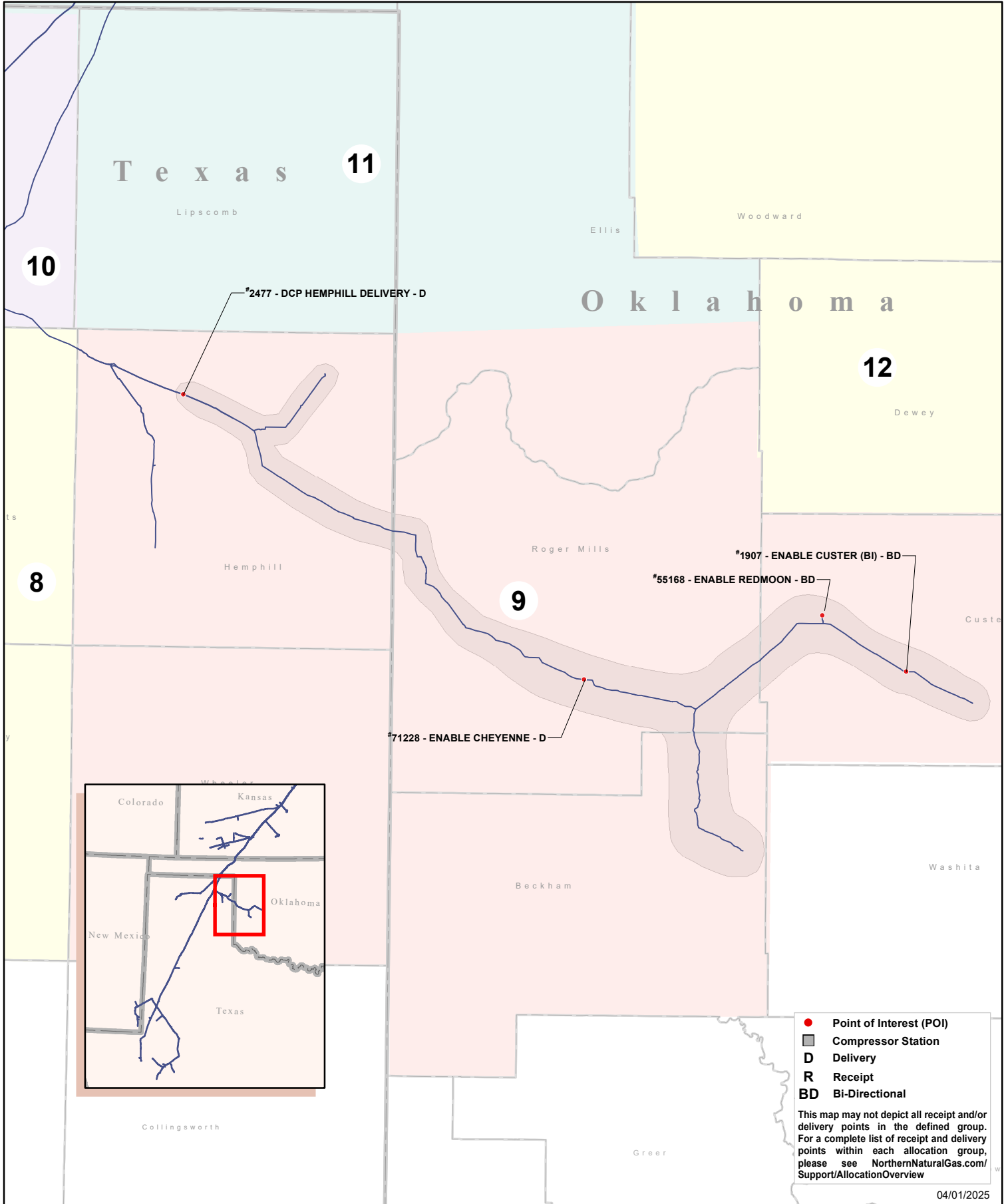
### Storage Usage

For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

Rate Schedule	INJ/WD	Transport R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
FDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled
PDD IDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled

Rate Schedule	INJ/WD	Pool R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
FDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled

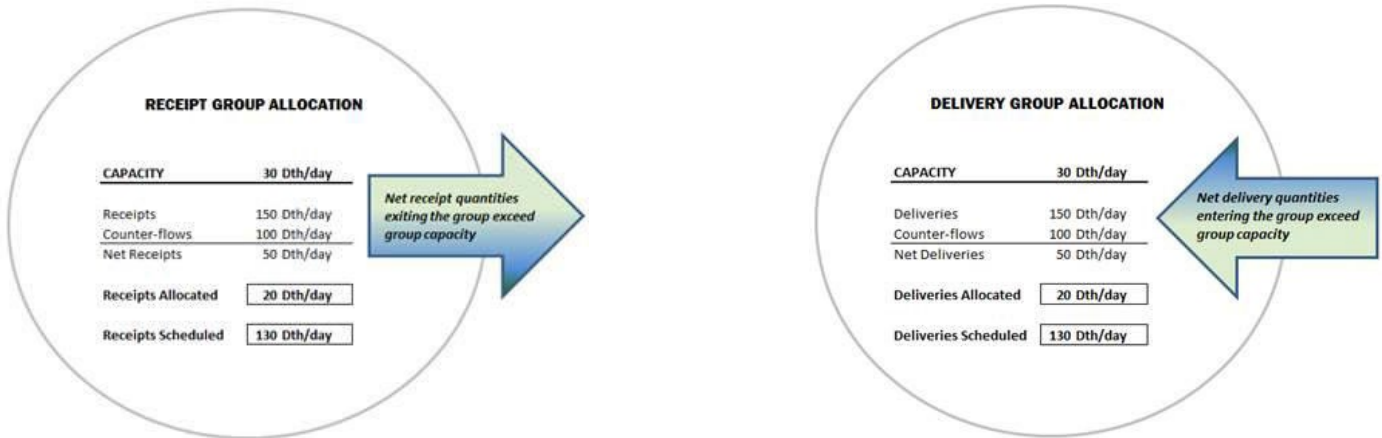
## ROGER MILLS SYSTEM ALLOCATION GROUP (16)



## SEMINOLE SUBSYSTEM ALLOCATION GROUP (598)

### Group Allocation Type: Receipt or Delivery

A Field Area receipt group allocation will occur when the nominations at the receipt locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas out of the defined group of points. Conversely, a Field Area delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



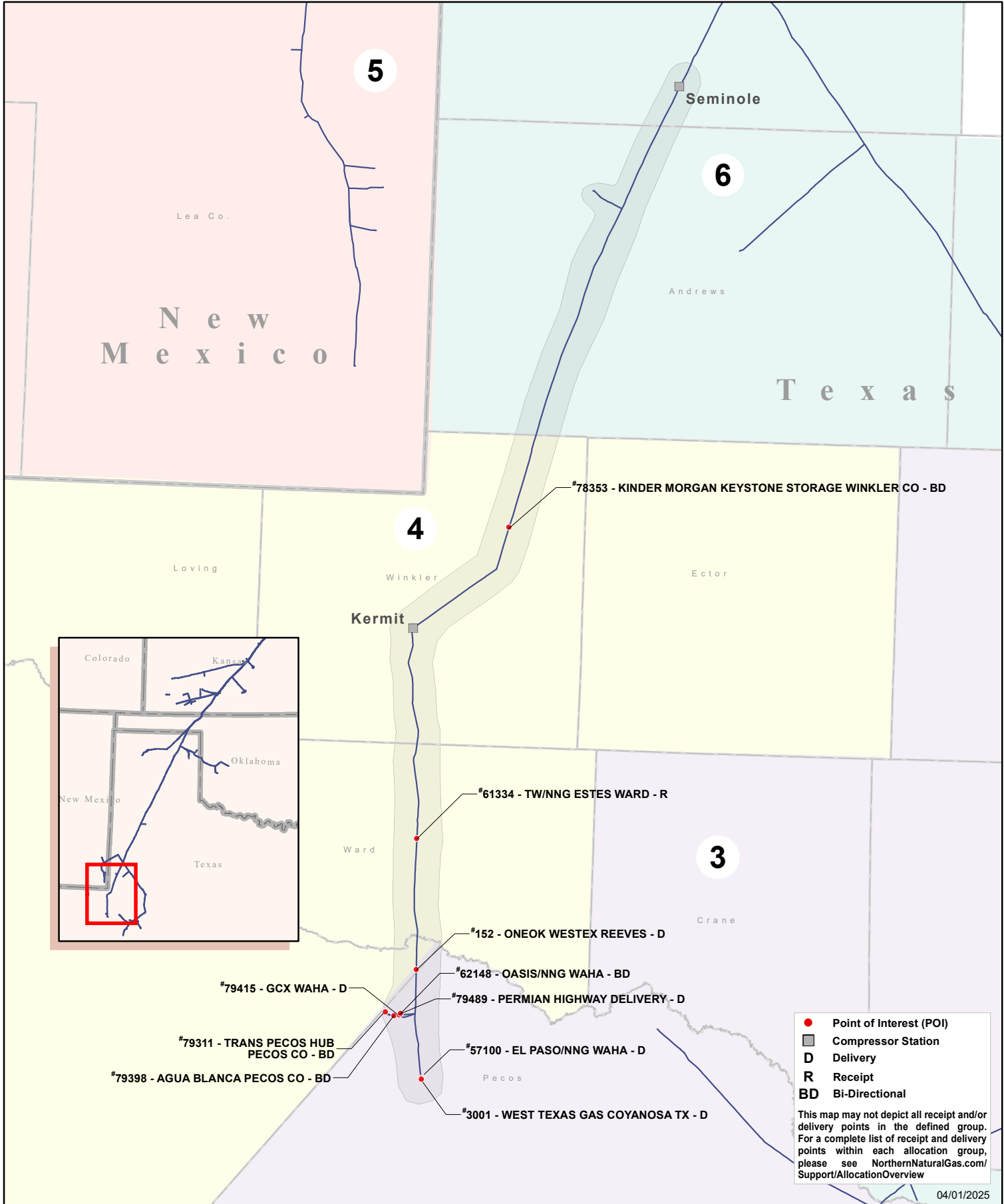
### Storage Usage

For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

Rate Schedule	INJ/WD	Transport R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
FDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled
PDD IDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled

Rate Schedule	INJ/WD	Pool R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
FDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled

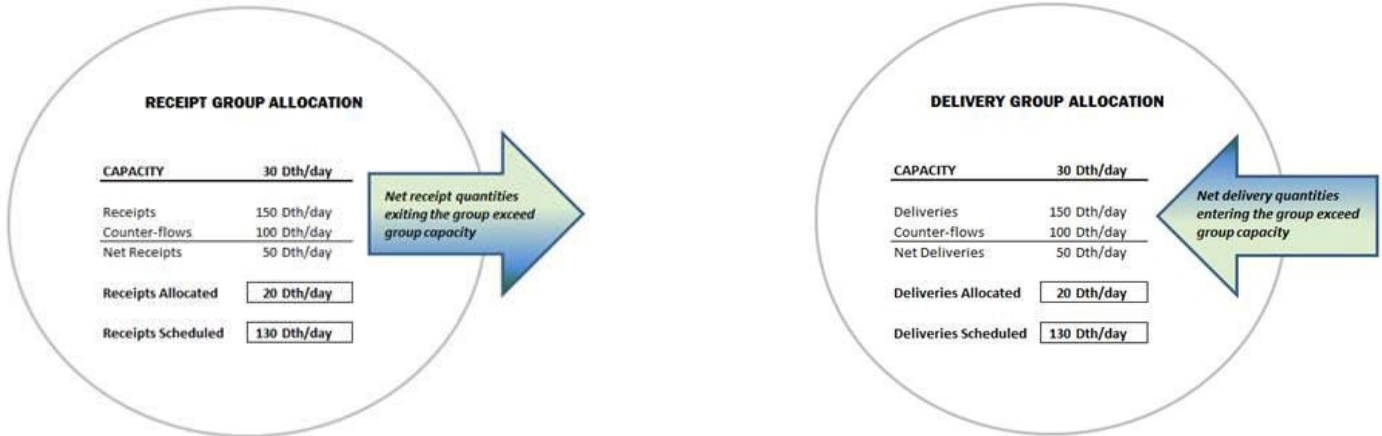
## SEMINOLE SUBSYSTEM ALLOCATION GROUP (598)



## SPRABERRY ALLOCATION GROUP (600)

### Group Allocation Type: Receipt or Delivery

A Field Area receipt group allocation will occur when the nominations at the receipt locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas out of the defined group of points. Conversely, a Field Area delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



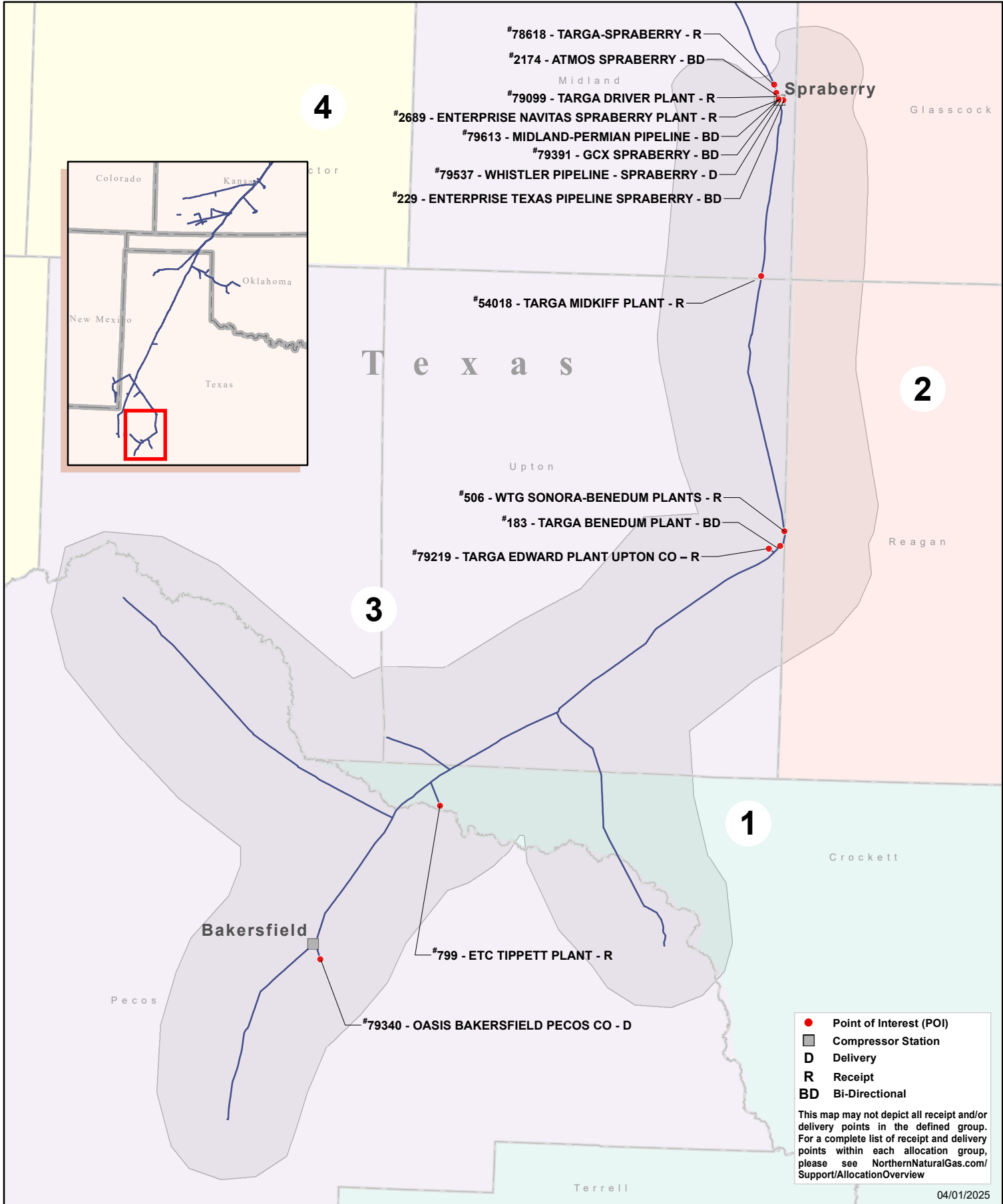
### Storage Usage

For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

Rate Schedule	INJ/WD	Transport R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
FDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled
PDD IDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled

Rate Schedule	INJ/WD	Pool R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
FDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled

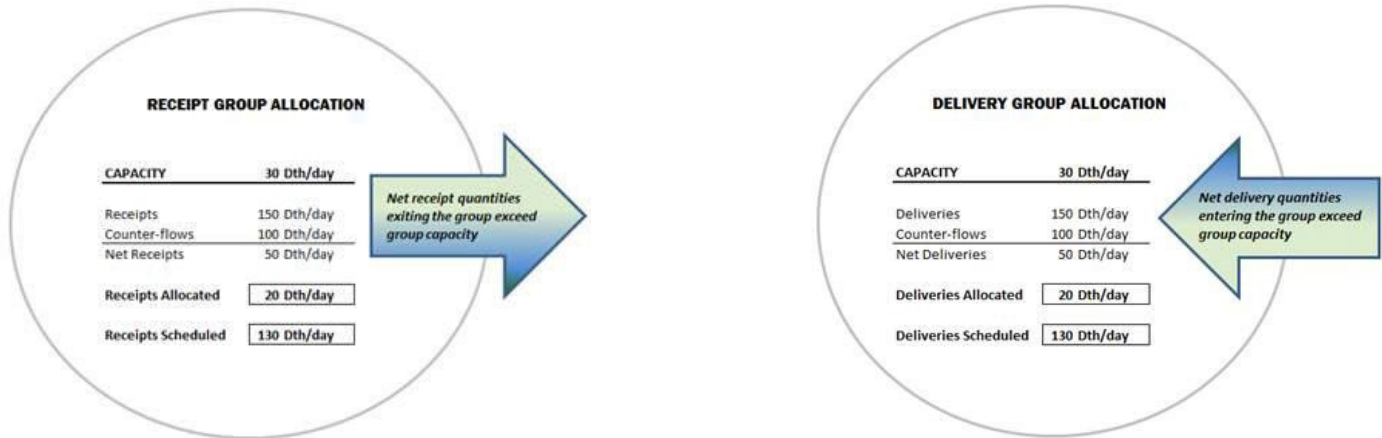
## SPRABERRY ALLOCATION GROUP (600)



## SPRABERRY12-INCH ALLOCATION GROUP (601)

### Group Allocation Type: Receipt or Delivery

A Field Area receipt group allocation will occur when the nominations at the receipt locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas out of the defined group of points. Conversely, a Field Area delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



### Storage Usage

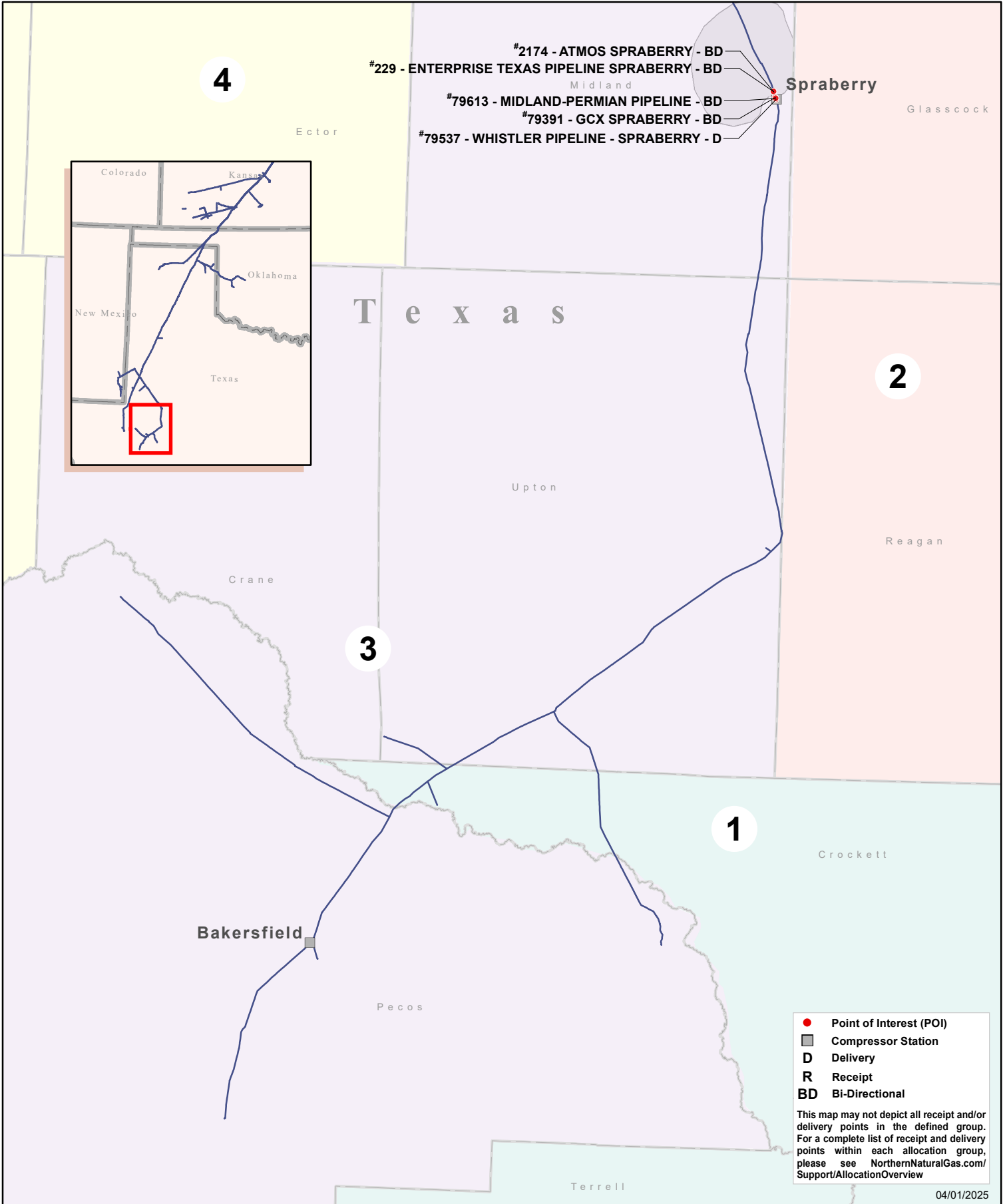
For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

Rate Schedule	INJ/WD	Transport R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
FDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled
PDD IDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled

Rate Schedule	INJ/WD	Pool R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
FDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled



## SPRABERRY 12-INCH ALLOCATION GROUP (601)





## SPRABERRY 16-INCH ALLOCATION GROUP (1112)

### Group Allocation Type: Delivery

A delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



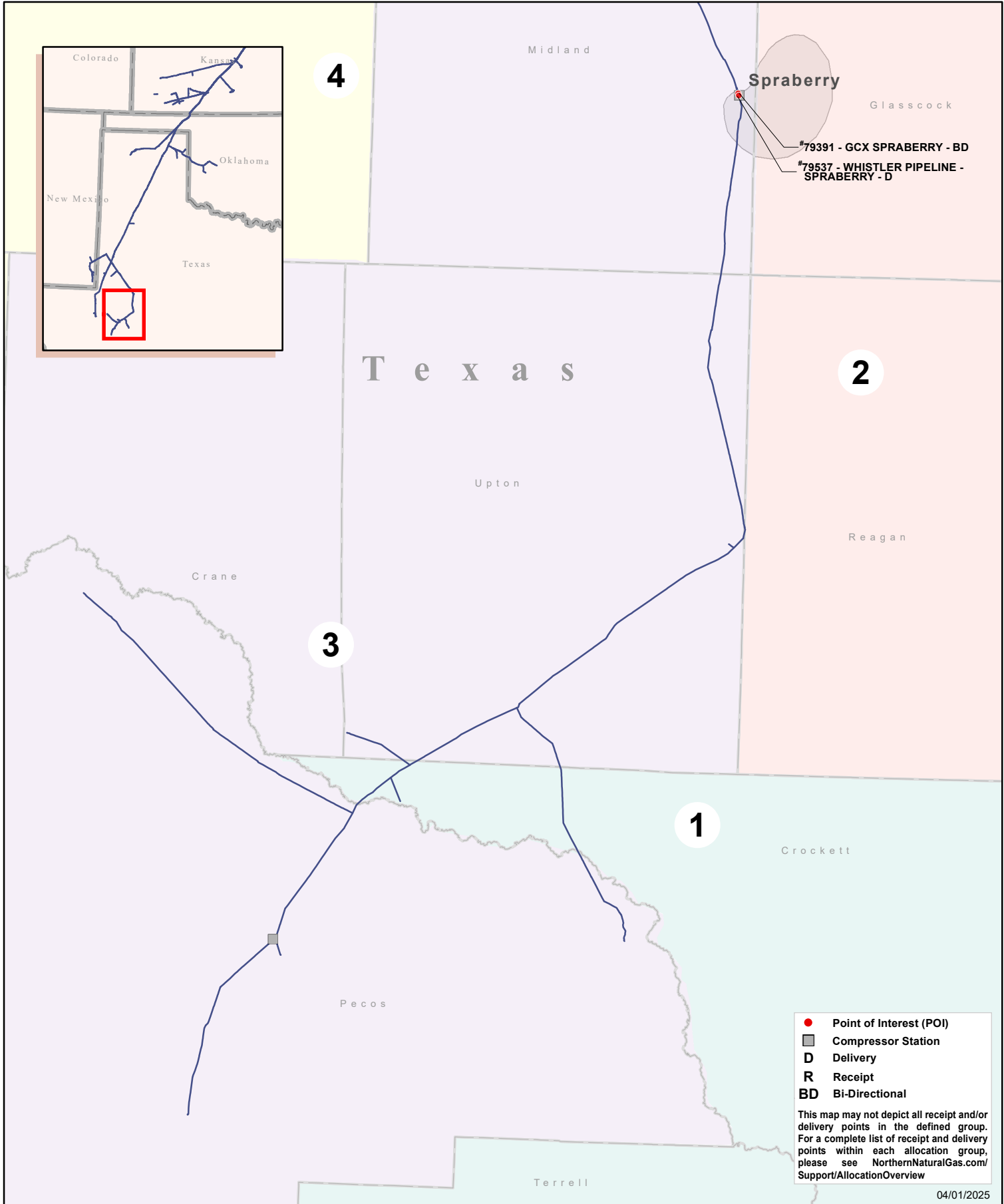
### Storage Usage

For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

			Applicable Storage Points
Rate Schedule	INJ/WD	Transport R/D	Spraberry 16-Inch MIDs 1 Thru 16b
FDD	WD	R	Impacted
			SBS Disabled
PDD IDD	WD	R	Impacted
			SBS Disabled
FDD	INJ	D	Not Impacted
			SBS Enabled
PDD IDD	INJ	D	Not Impacted
			SBS Enabled

			Applicable Storage Points
Rate Schedule	INJ/WD	Pool R/D	Spraberry 16-Inch MIDs 1 Thru 16b
FDD	WD	R	Impacted
			SBS Disabled
PDD IDD	WD	R	Impacted
			SBS Disabled
FDD	INJ	D	Not Impacted
			SBS Enabled
PDD IDD	INJ	D	Not Impacted
			SBS Enabled

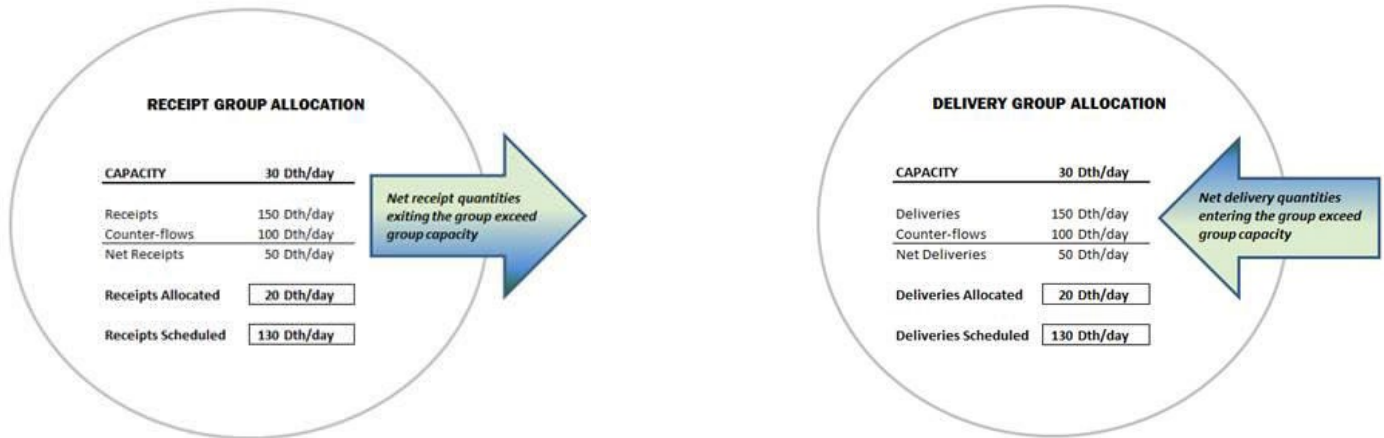
## SPRABERRY 16-INCH ALLOCATION GROUP (1112)



## SPRABERRY STATION ALLOCATION GROUP (602)

### Group Allocation Type: Receipt or Delivery

A Field Area receipt group allocation will occur when the nominations at the receipt locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas out of the defined group of points. Conversely, a Field Area delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



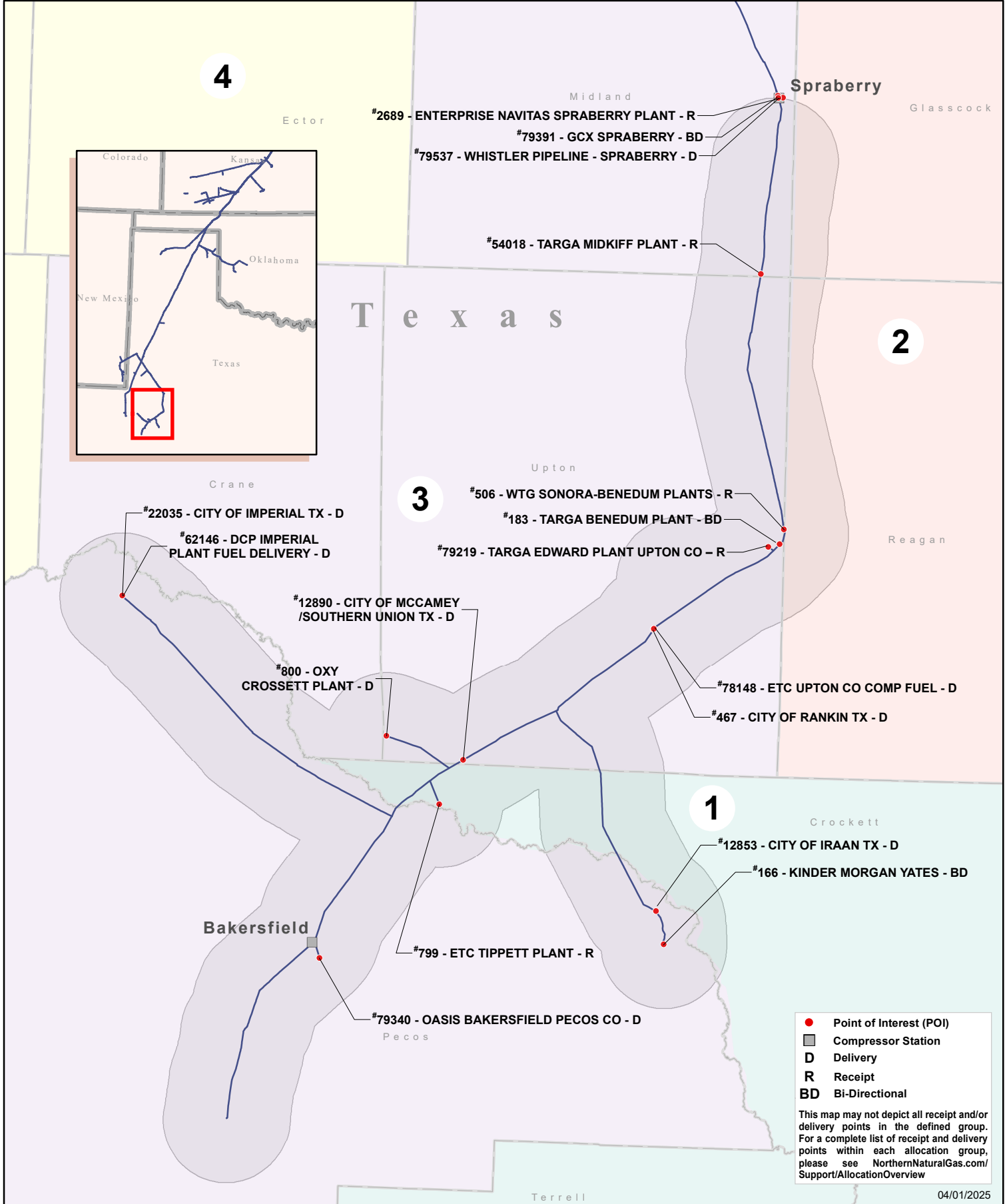
### Storage Usage

For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

Rate Schedule	INJ/WD	Transport R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
			FDD	WD
PDD IDD	WD	R	Impacted ----- SBS Disabled	Not Impacted ----- SBS Enabled
FDD	INJ	D	Not Impacted ----- SBS Enabled	Impacted ----- SBS Disabled
PDD IDD	INJ	D	Not Impacted ----- SBS Enabled	Impacted ----- SBS Disabled

Rate Schedule	INJ/WD	Pool R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
			FDD	WD
PDD IDD	WD	R	Not Impacted ----- SBS Enabled	Not Impacted ----- SBS Enabled
FDD	INJ	D	Not Impacted ----- SBS Enabled	Not Impacted ----- SBS Enabled
PDD IDD	INJ	D	Not Impacted ----- SBS Enabled	Not Impacted ----- SBS Enabled

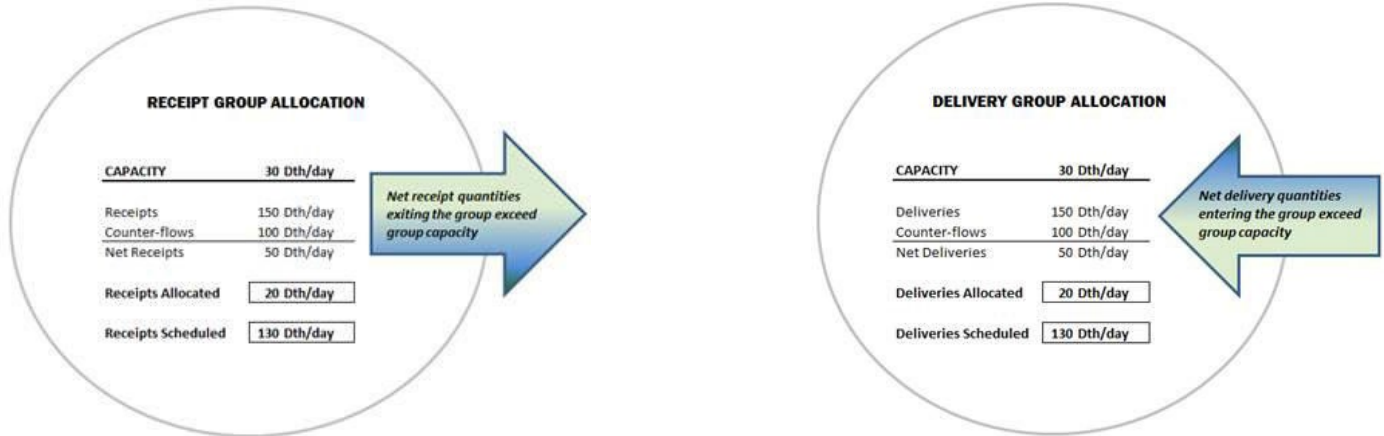
## SPRABERRY STATION ALLOCATION GROUP (602)



## SPRABERRY TO PLAINS ALLOCATION GROUP (599)

### Group Allocation Type: Receipt or Delivery

A Field Area receipt group allocation will occur when the nominations at the receipt locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas out of the defined group of points. Conversely, a Field Area delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



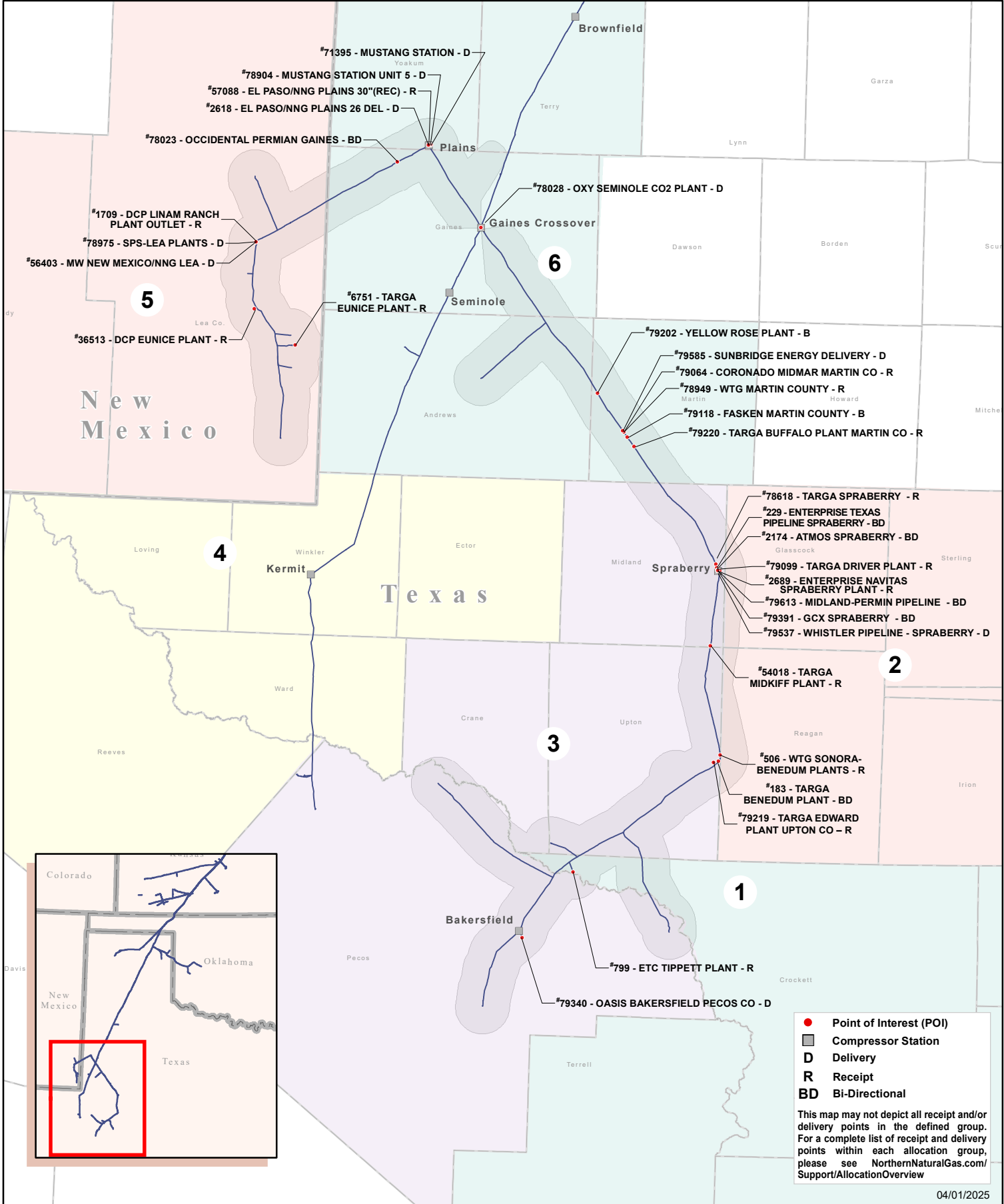
### Storage Usage

For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

Rate Schedule	INJ/WD	Transport R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
FDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled
PDD IDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled

Rate Schedule	INJ/WD	Pool R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
FDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled

## SPRABERRY TO PLAINS ALLOCATION GROUP (599)



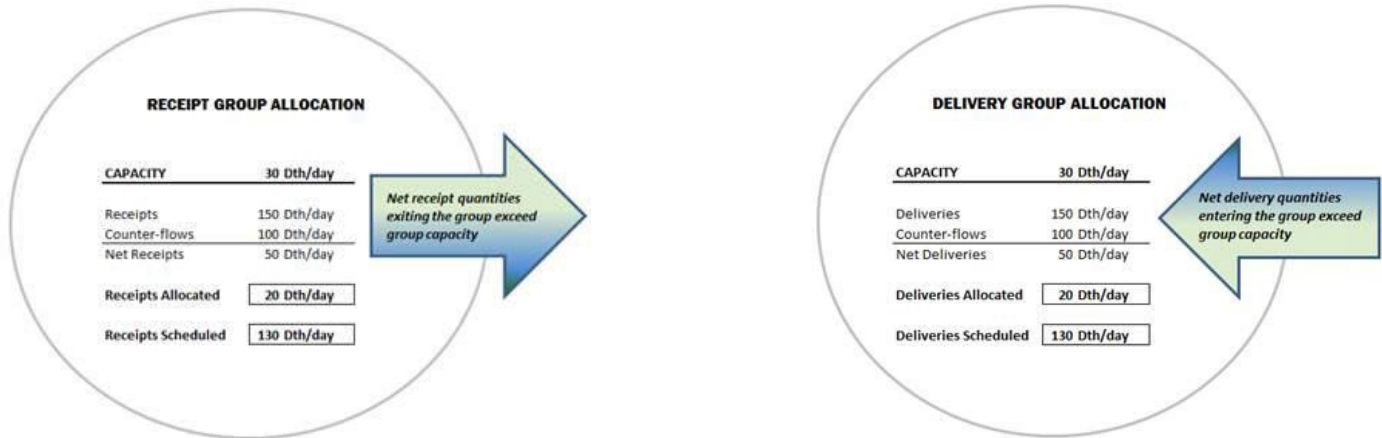
This map may not depict all receipt and/or delivery points in the defined group. For a complete list of receipt and delivery points within each allocation group, please see [NorthernNaturalGas.com/Support/AllocationOverview](http://NorthernNaturalGas.com/Support/AllocationOverview)



## SUNRAY HIGH ALLOCATION GROUP (32)

### Group Allocation Type: Receipt or Delivery

A Field Area receipt group allocation will occur when the nominations at the receipt locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas out of the defined group of points. Conversely, a Field Area delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



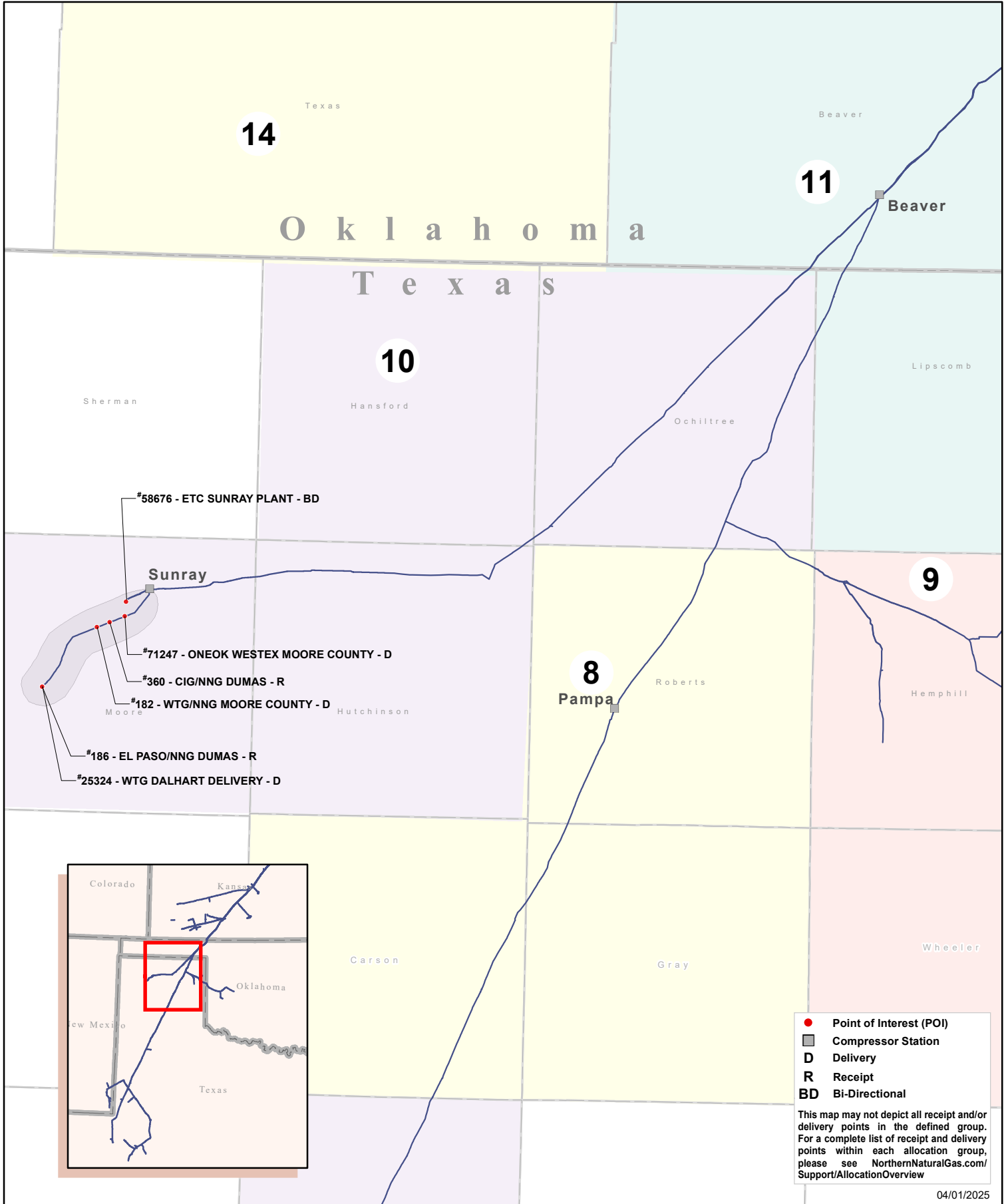
### Storage Usage

For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

Rate Schedule	INJ/WD	Transport R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
FDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled
PDD IDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled

Rate Schedule	INJ/WD	Pool R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
FDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled

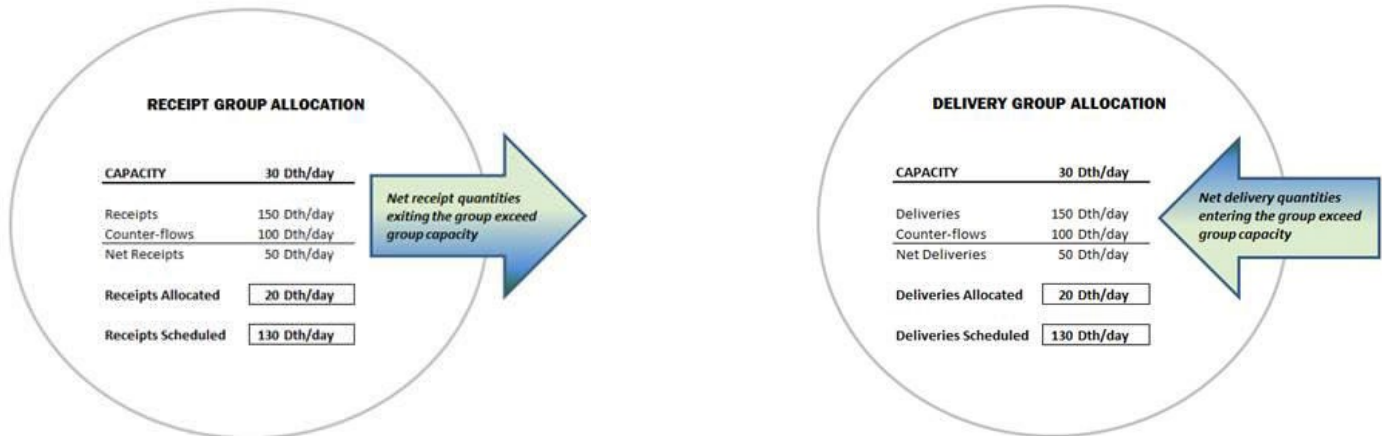
## SUNRAY HIGH ALLOCATION GROUP (32)



## SUNRAY LOW ALLOCATION GROUP (10)

### Group Allocation Type: Receipt or Delivery

A Field Area receipt group allocation will occur when the nominations at the receipt locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas out of the defined group of points. Conversely, a Field Area delivery group allocation will occur when the nominations at the delivery locations of a defined group adjusted for counter-flow activity exceed the pipeline capacity available to move the gas into the defined group of points.



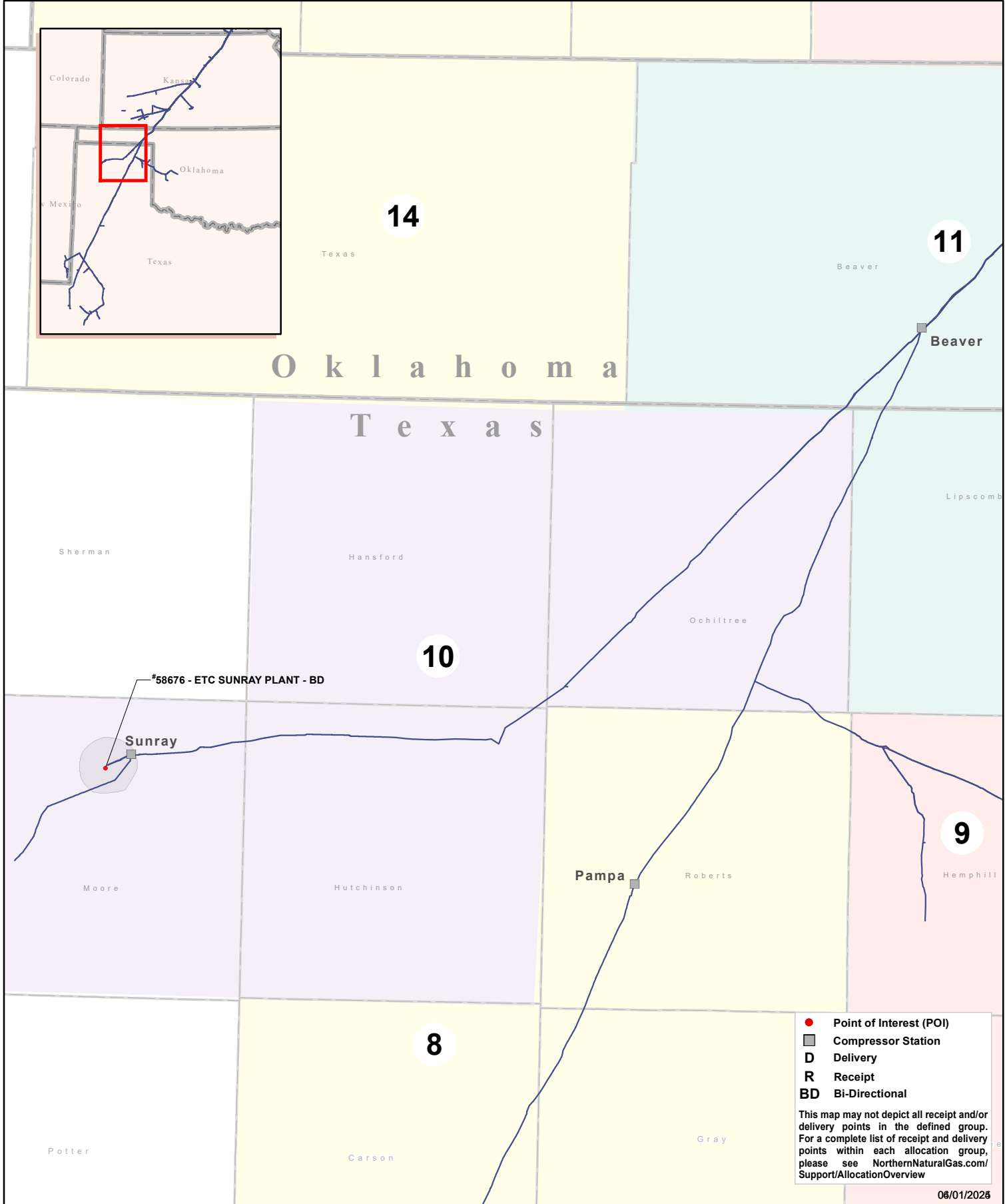
### Storage Usage

For each Field Area allocation group, a matrix that illustrates the impact to transportation activity and Storage Balancing Service (SBS) when a Field Area group allocation occurs is provided below. Nominations to and from storage on FDD, IDD and PDD injections and withdrawals during a Field Area group allocation are illustrated as "Not Impacted" or "Impacted". The availability of SBS during a Field Area group allocation is denoted as "SBS Enabled" or "SBS Disabled."

Rate Schedule	INJ/WD	Transport R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
PDD IDD	WD	R	Impacted	Not Impacted
			SBS Disabled	SBS Enabled
FDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled
PDD IDD	INJ	D	Not Impacted	Impacted
			SBS Enabled	SBS Disabled

Rate Schedule	INJ/WD	Pool R/D	Applicable Storage Points	
			Groups with Net Delivery	Groups with Net Receipts
FDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	WD	R	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
FDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled
PDD IDD	INJ	D	Not Impacted	Not Impacted
			SBS Enabled	SBS Enabled

## SUNRAY LOW ALLOCATION GROUP (10)



- Point of Interest (POI)
- Compressor Station
- D Delivery
- R Receipt
- BD Bi-Directional

This map may not depict all receipt and/or delivery points in the defined group. For a complete list of receipt and delivery points within each allocation group, please see [NorthernNaturalGas.com/Support/AllocationOverview](http://NorthernNaturalGas.com/Support/AllocationOverview)