



## North Branch Maintenance Supplemental Information

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Northern has scheduled pipeline maintenance beginning in June and continuing into July near the North Branch Compressor Station in Northern's Market Area where portions of the system will be temporarily segmented. Due to the scope and physical segmentation created by this outage, receipts upstream of the affected segment are not able to flow freely across the maintenance area. To ensure accurate scheduling, allocation, and transparency during this period, Northern created a new receipt allocation group:

### **North Branch Receipt Points Group (1151) – New group**

This group consolidates receipt points located on the northern portion of the outage segment, allowing those supplies to be managed independently from receipts south of the maintenance area.

The following receipt points are included in **Group 1151**:

<b>POI</b>	<b>Receipt Point Name</b>
196	VIKING CHISAGO/ISANTI
388	GRLKS/NNG CARLTON
21972	GRLKS/NNG WAKEFIELD
61667	VIKING/NNG PIERZ INTER
78994	GRLKS/NNG GRAND RAPIDS
79374	SEMCO MARQUETTE M-35
79379	SEMCO MARQUETTE EMERGENCY RECEIPT

### **Receipt Capacity and Other Potential Allocations During the Maintenance**

The receipt capacity of Group 1151 will vary during the maintenance outage to reflect actual system demand in the northern portion of the outage segment and Northern's physical ability to flow gas south. Due to the fluctuations of system demand in the area and varying outage impacts during the maintenance period, the anticipated range of receipts that Northern will be able to accommodate will also vary. During these maintenance events, Northern estimates the ability to accommodate as much as 200,000 to 300,000 Dth/day in June, and will require between 120,000 to 220,000 Dth/day from these receipts in July.



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### North Branch Allocation Group (835D)

During the month of June, Northern will have reduced capacity flowing north through the North Branch delivery group and expects to be able to schedule a minimum of 250,000 Dth/day through this group in addition to any scheduled receipts within the North Branch Receipt Points Group to support deliveries in the North Branch group.

During the maintenance period in July, Northern will have limited operational flexibility to support deliveries in the North Branch group from receipt points south of the maintenance. To the extent customers schedule the maximum operational capacity into Northern at the receipt points included in Group 1151, the outage segment will be supported exclusively by receipts within that group, consistent with the physical configuration of the system during the maintenance. Northern will have the ability to vaporize liquefied natural gas (LNG) from its Wrenshall facilities, if necessary, to support deliveries in the North Branch group. However, LNG inventory is limited and if scheduled receipts from points in the North Branch Receipt Points Group are insufficient to meet required system demand in the affected area, Northern may be required to allocate deliveries in the [North Branch Group \(Group 835\)](#) that are being sourced from points not in the North Branch Receipt Points Group to ensure system integrity.

This allocation management ensures system reliability while maintaining proper separation between the north and south portions of the outage area.

		June		July	
		Affected area expected load			
		<u>Low Load</u>	<u>High Load</u>	<u>Low Load</u>	<u>High Load</u>
		100,000	200,000	100,000	200,000
High NB Receipts	North Branch Receipts North Branch Delivery Group	>200,000* no constraint	>300,000* no constraint	>120,000* no constraint	>220,000* no constraint
Average NB Receipts	North Branch Receipts North Branch Delivery Group	100,000 no constraint	100,000 no constraint	100,000 less likely	100,000 0*
Low NB Receipts	North Branch Receipts North Branch Delivery Group	0 no constraint	0 >250,000*	0 0*	0 0*

\*Allocation likely