



**NORTHERN NATURAL GAS COMPANY**  
**FDD NON-TIMELY CYCLE NOMINATION ACTIVITY**  
**ALLOWED DURING STORAGE ALLOCATIONS**

	Storage Allocation Type <sup>1</sup>			
	Withdrawal Season (November through May)		Injection Season (June through October)	
	Injection	Withdrawal	Injection	Withdrawal
<b>Evening – Bump cycle</b>				
Increase Injections	Allowed	Allowed	Allowed	Allowed
Decrease Scheduled Injections	Allowed	Allowed	Allowed	Allowed
Increase Withdrawals	Allowed	Allowed	Allowed	Allowed
Decrease Scheduled Withdrawals	Allowed	Allowed	Allowed	Allowed
<b>Non-grid – Non-bump cycle</b>				
Increase Injections	<b>Not allowed</b>	Allowed	<b>Not allowed</b>	Allowed
Decrease Scheduled Injections	Allowed	Allowed	Allowed	Allowed
Increase Withdrawals	Allowed	<b>Not allowed</b>	Allowed	<b>Not allowed</b>
Decrease Scheduled Withdrawals	Allowed	Allowed	Allowed	Allowed
<b>Intraday 1 – Bump cycle</b>				
Increase Injections	Allowed	Allowed	Allowed	Allowed
Decrease Scheduled Injections	Allowed	Allowed	Allowed	Allowed
Increase Withdrawals	Allowed	Allowed	Allowed	Allowed
Decrease Scheduled Withdrawals	Allowed	Allowed	Allowed	Allowed
<b>Intraday 2 – Bump cycle</b>				
Increase Injections	Allowed	Allowed	Allowed	Allowed
Decrease Scheduled Injections	Allowed	Allowed	Allowed	Allowed
Increase Withdrawals	Allowed	Allowed	Allowed	Allowed
Decrease Scheduled Withdrawals	Allowed	Allowed	Allowed	Allowed
<b>Intraday 3 – Non-bump cycle</b>				
Increase Injections	<b>Not allowed</b>	Allowed	<b>Not allowed</b>	Allowed
Decrease Scheduled Injections	Allowed	Allowed	Allowed	Allowed
Increase Withdrawals	Allowed	<b>Not allowed</b>	Allowed	Not allowed
Decrease Scheduled Withdrawals	Allowed	Allowed	Allowed	Allowed
<b>Final</b>				
Increase Injections	Not allowed	Allowed	Not allowed	Allowed
Decrease Scheduled Injections	Allowed	Not allowed	Allowed	<b>Allowed - Limited <sup>3</sup></b>
Increase Withdrawals	Allowed	Not allowed	Allowed	Not allowed
Decrease Scheduled Withdrawals	<b>Allowed - Limited <sup>2</sup></b>	Allowed	Not allowed	Allowed

When determining the best strategy for utilization of FDD service, Northern encourages FDD customers to fully schedule what they believe is necessary for their business to be in balance. In the event there is an SOL or SUL in effect, Northern still encourages FDD customers to schedule in balance but with the understanding it may be more conservative to schedule maximum withdrawals or injections, depending on the situation, and adjust nominations in subsequent cycles.

Footnotes:

<sup>1</sup> The term "allowed" means that intraday nominations will be scheduled within the parameters of the customers' FDD Service Agreement, with the exception of a Force Majeure event.

<sup>2</sup> Customers can decrease their ID 3 scheduled withdrawal quantities (excluding FDD overrun) as long as the aggregate of all FDD customers' withdrawal reductions does not exceed the Daily Maximum Injection FDQ (Firm Daily Quantity) of all FDD customers for that applicable period (see FDD Rate Schedule Tariff Sheet Nos. 135A, 135B, 135C and 135C.03). If the aggregate withdrawal reduction quantity exceeds the FDQ of all FDD customers, TMS will calculate a pro-rata allocation to all FDD withdrawal reductions.

<sup>3</sup> Customers can decrease their ID 3 scheduled injection quantities (excluding FDD overrun) as long as the aggregate of all FDD customers' injection reductions does not exceed the Daily Maximum Withdrawal FDQ (Firm Daily Quantity) of all FDD customers for that applicable period (see FDD Rate Schedule Tariff Sheet Nos. 135A, 135B, 135C and 135C.03). If the aggregate injection reduction quantity exceeds the FDQ of all FDD customers, TMS will calculate a pro-rata allocation to all FDD injection reductions.