



Southern Company Gas

# Jefferson Island Storage and Hub

October 25, 2017





# Jefferson Island Storage & Hub Details

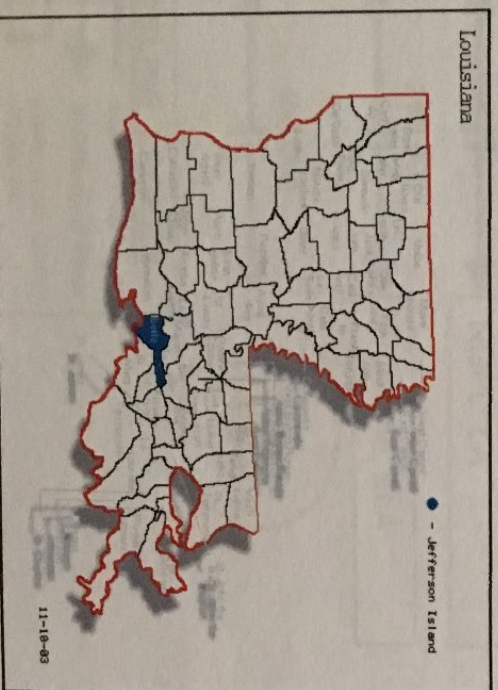
- Total Capacity
- Working Gas
- Number of Caverns
- Max Injection Capability
- Max Withdrawal Capability
- Interconnects
- Header System

## Existing Configuration

: 10.0 MMDth  
: 7.2 MMDth  
: 2  
: 360 MDth/Day  
: 720 MDth/Day  
: 9  
: 15 miles dual 16"

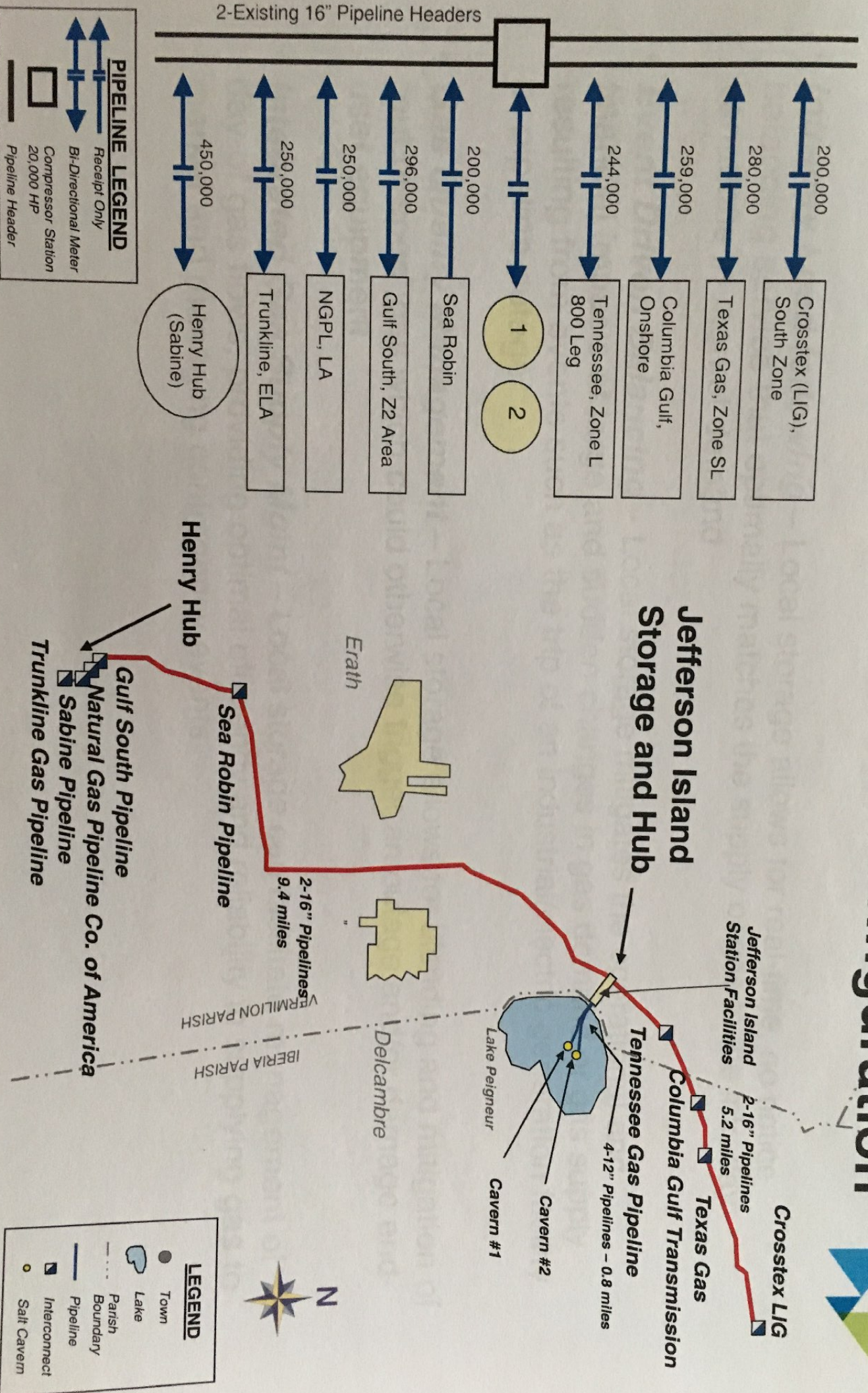
## Expanded Configuration

: 28.0 MMDth  
: 20.0 MMDth  
: 4  
: 360 MDth/Day  
: 720 MDth/Day  
: 9  
: 15 miles dual 16"





# JISH Interconnects and Configuration





# Local Storage Value Drivers



- ***Intraday Load following*** – Local storage allows for real-time, no notice balancing service that optimally matches the supply of gas to the intraday variations in market demand
- ***Event Driven Balancing*** – Local storage mitigates the operational and financial impacts of large and sudden changes in gas demand or gas supply resulting from events such as the trip of an industrial/electric generation facility or pipeline outage
- ***Gas Quality Management*** – Local storage allows for blending and mitigation of “out of spec” gas which could otherwise trigger an outage and/or damage end-user equipment
- ***Integrated Gas Supply Mgmt*** – Local storage can facilitate management of day-of gas flows, providing optimal efficiency and reliability in supplying gas to market and managing contingency events



# Available Storage Services



- Firm Storage Service
- Interruptible Storage Service
- Park & Loan Service (firm & interruptible)
- Jefferson Island Wheeling Service (interruptible)
- Hourly Balancing Service (interruptible)







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<u>Existing Configuration</u>		<u>Expanded Configuration</u>	
:	10.0 MMMDth	:	28.0 MMMDth
:	7.2 MMMDth	:	20.0 MMMDth
:	2	:	4
:	360 MDth/Day	:	360 MDth/Day
:	720 MDth/Day	:	720 MDth/Day
:	9	:	9
:	15 miles dual 16"	:	15 miles dual 16"

