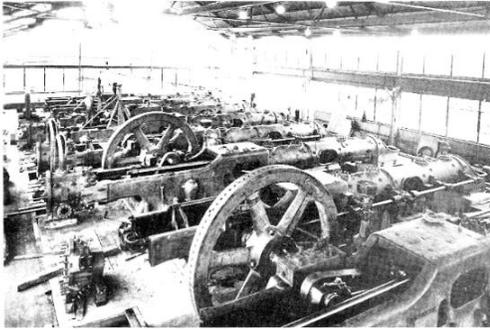


Southern Natural Gas

A 90 Year Legacy Of Serving You 1929 - 2019



The Early Years



Flow Calculations



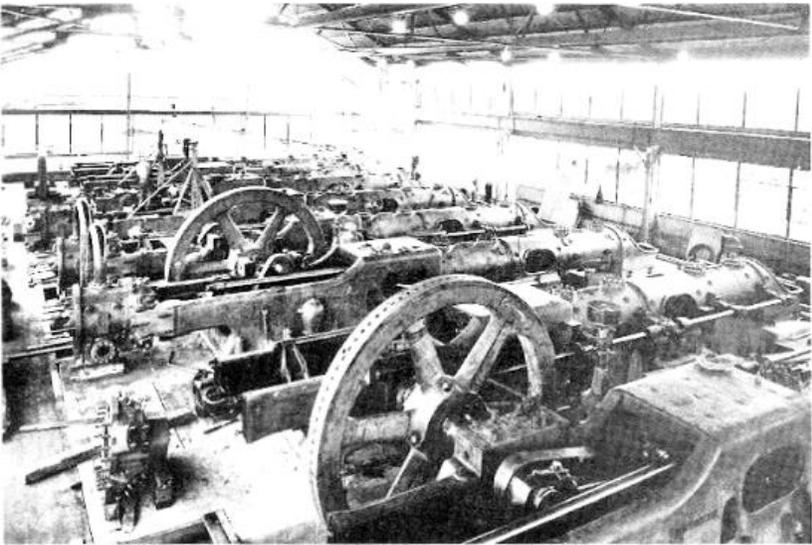
The Switch Board



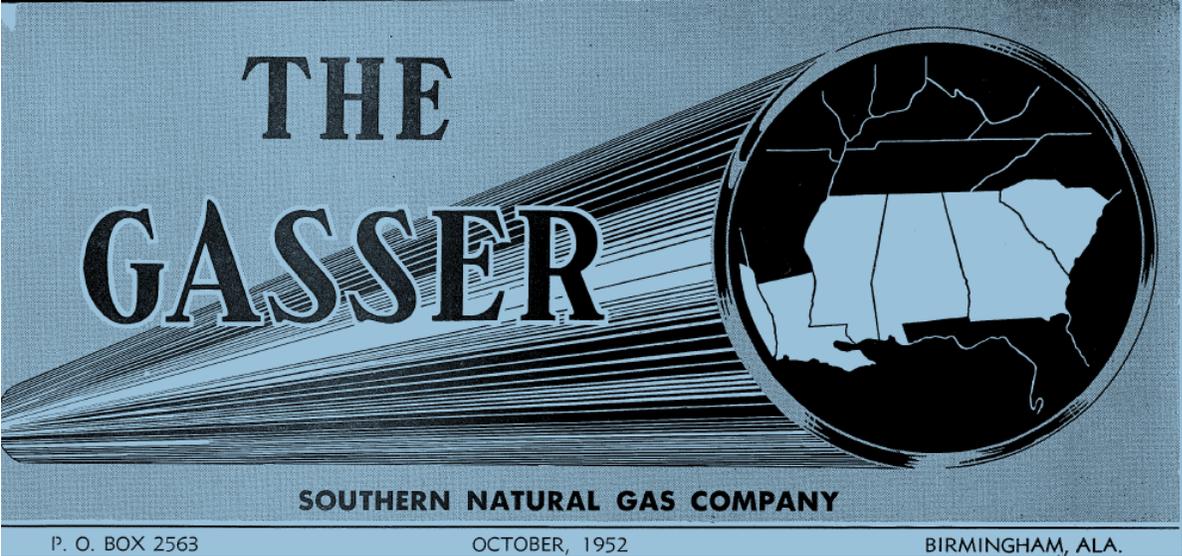
Valve Operators



Dispatchers



Compressor Station



Company Magazine

Opening Remarks

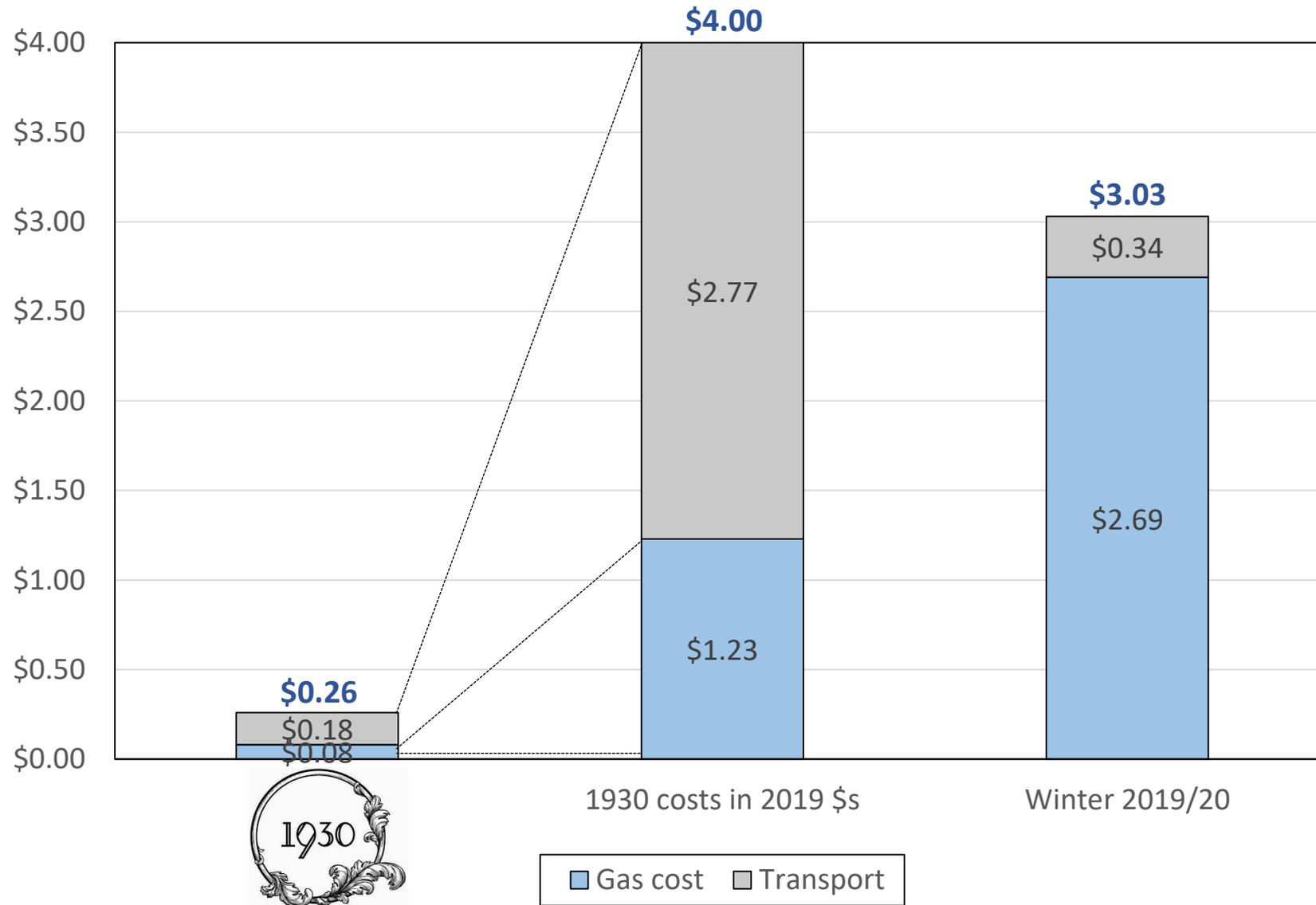
Carl Haga

Vice President - Commercial

SNG Shipper Meeting

Birmingham, AL ▪ September 19-20, 2019

Southern Natural Gas – 90 Years of Service



Welcome

Norman Holmes

President, South Region

SNG Shipper Meeting

Birmingham, AL ▪ September 19-20, 2019

General Session Agenda

- **Summer Throughput / Winter Preview**
 - Reese Hart, *Gas Control Manager*
- **Fuel Update**
 - Brooks Henderson, *Director - Rates*
- **Supply Update**
 - Devy Traylor, *Director – Business Development*
- **Announcements and Remaining Agenda**
 - Darryl Outlaw, *Director - Commercial*

SNG Pipeline Operations Review

Reese Hart

Manager, SNG Gas Control

September 19, 2019

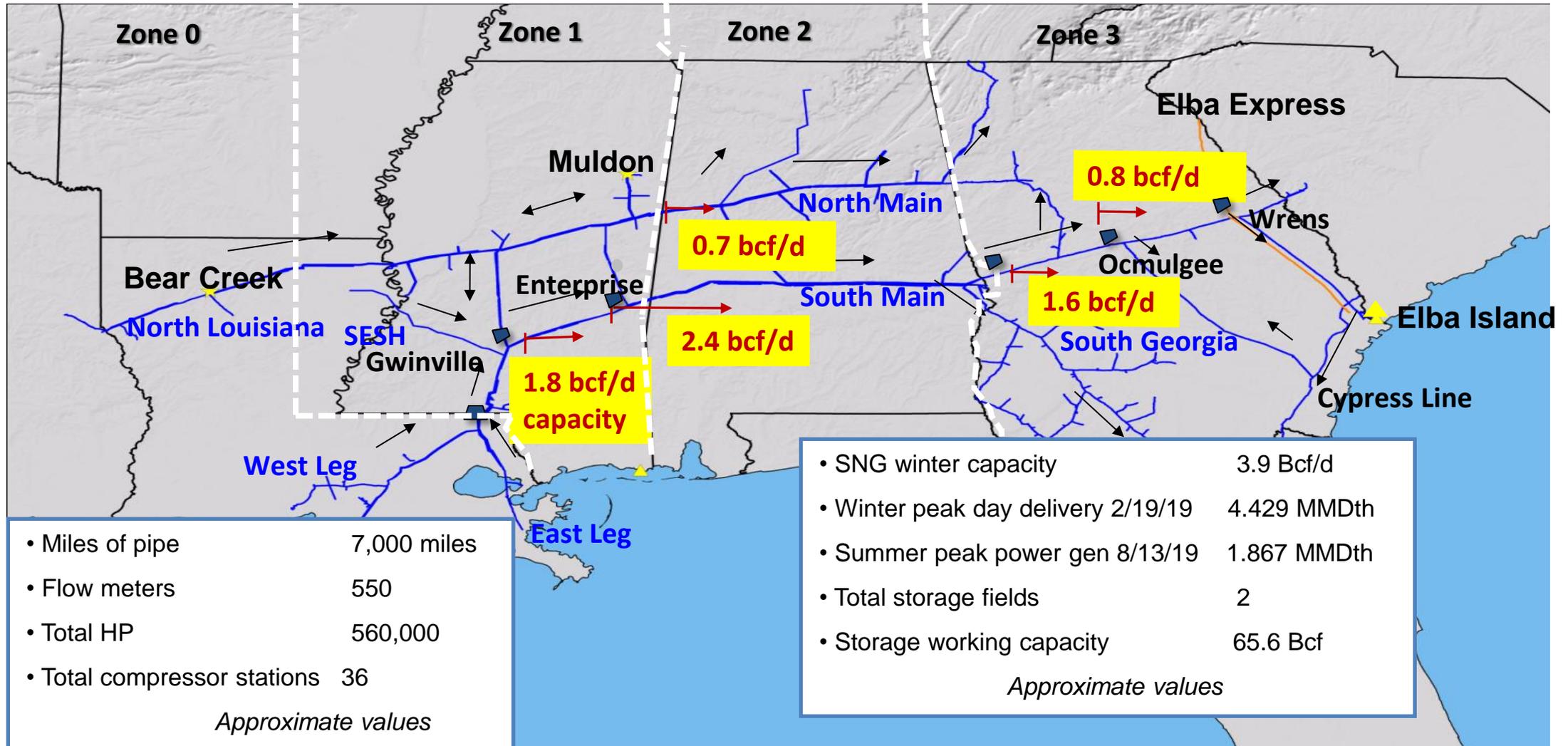


Agenda

- System and Transportation Overview
- Operations Review
 - 2019 Summer Review
 - 2018-2019 Winter Review
 - Operational Flow Orders
 - Maintenance Update
- Getting Ready for Winter 2019/2020



SNG System Overview



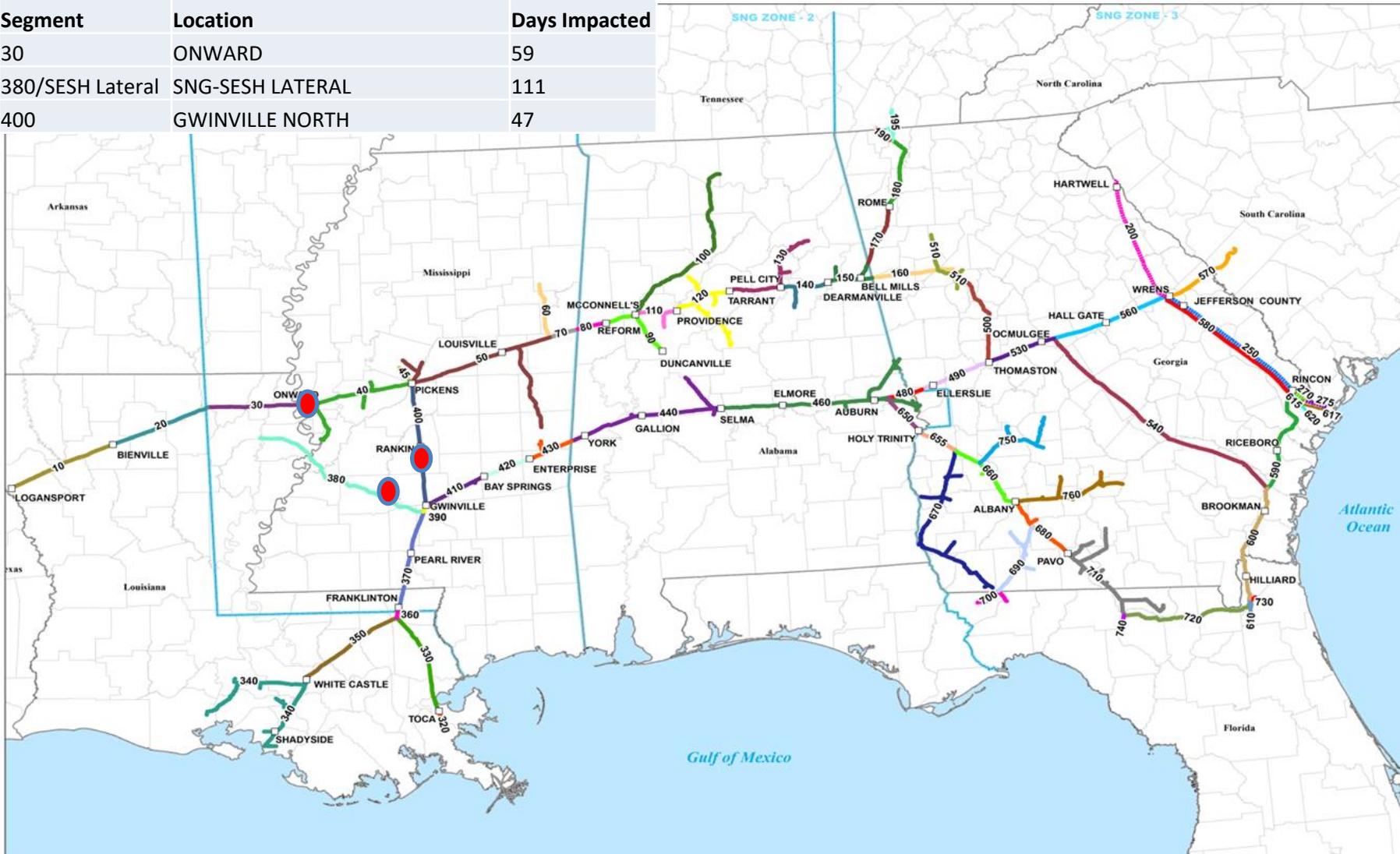
Summer 2019



Southern Natural Gas Company, L.L.C.
a Kinder Morgan operated company

Segment Constraints (April-August)

Segment	Location	Days Impacted
30	ONWARD	59
380/SESH Lateral	SNG-SESH LATERAL	111
400	GWINVILLE NORTH	47



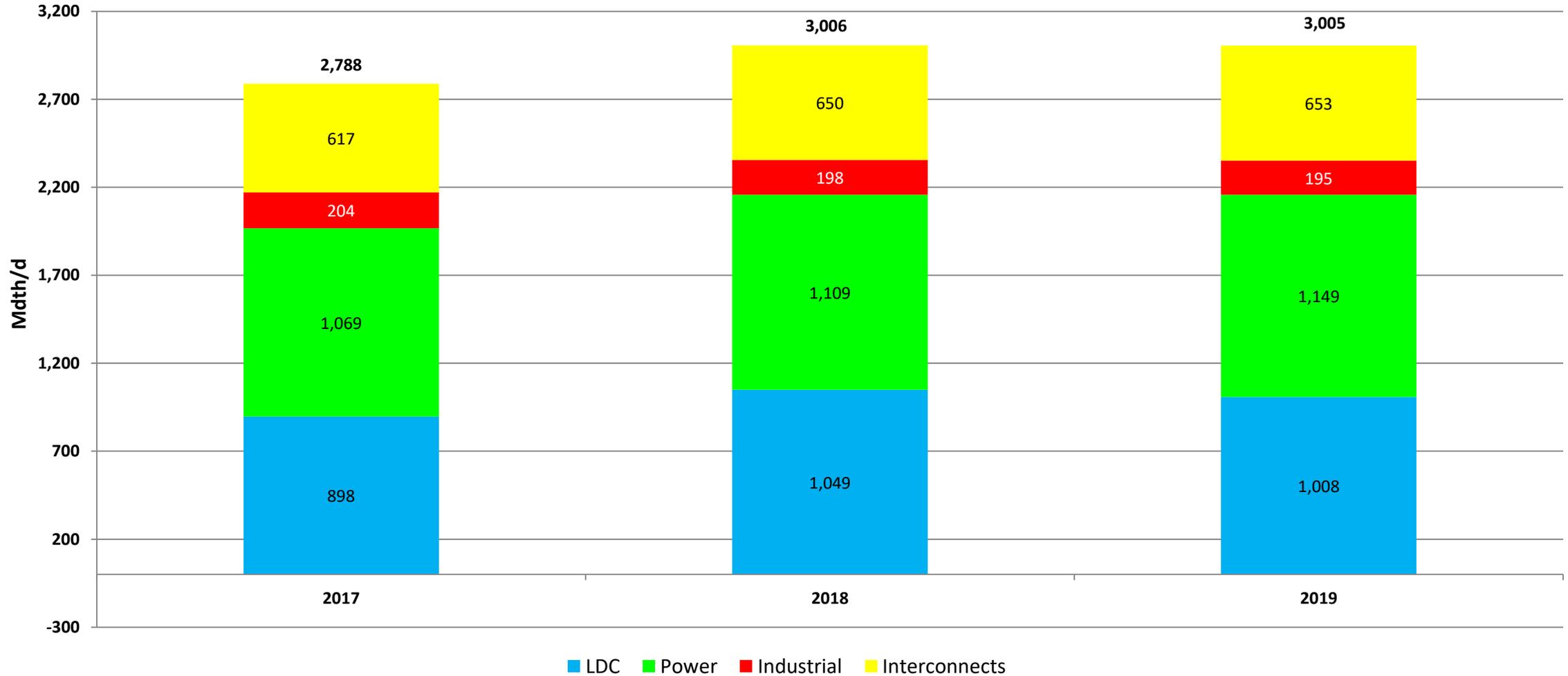


2019 Transportation YTD

- 2019 Transport Summary
 - Power Generation markets are up 3.6% from 2018
 - New power generation record on 8/13/19 - 1.867 MMDth
 - Lower gas prices
 - Driven primarily by higher storage inventories and available flowing supply
 - Total System Deliveries averaged 3,005 MDth/d
 - Flat over 2018
 - Storage is on track to fill to above average levels in November
 - Increases risk of Type 6 penalty if weather is mild
 - Outages completed on a timely schedule

Average Daily Deliveries

YTD – AUG





Year on Year Deliveries

	<u>2019 YTD</u> <u>August</u>	<u>2018 YTD</u> <u>August</u>	<u>% Change</u>
LDC	1,008	1,049	-3.9%
Power	1,149	1,109	+3.6%
Industrial	195	198	-1.3%
Interconnects	653	650	+0.4%
TOTAL	3,005	3,006	+0.0%

• All volumes are MDth/d



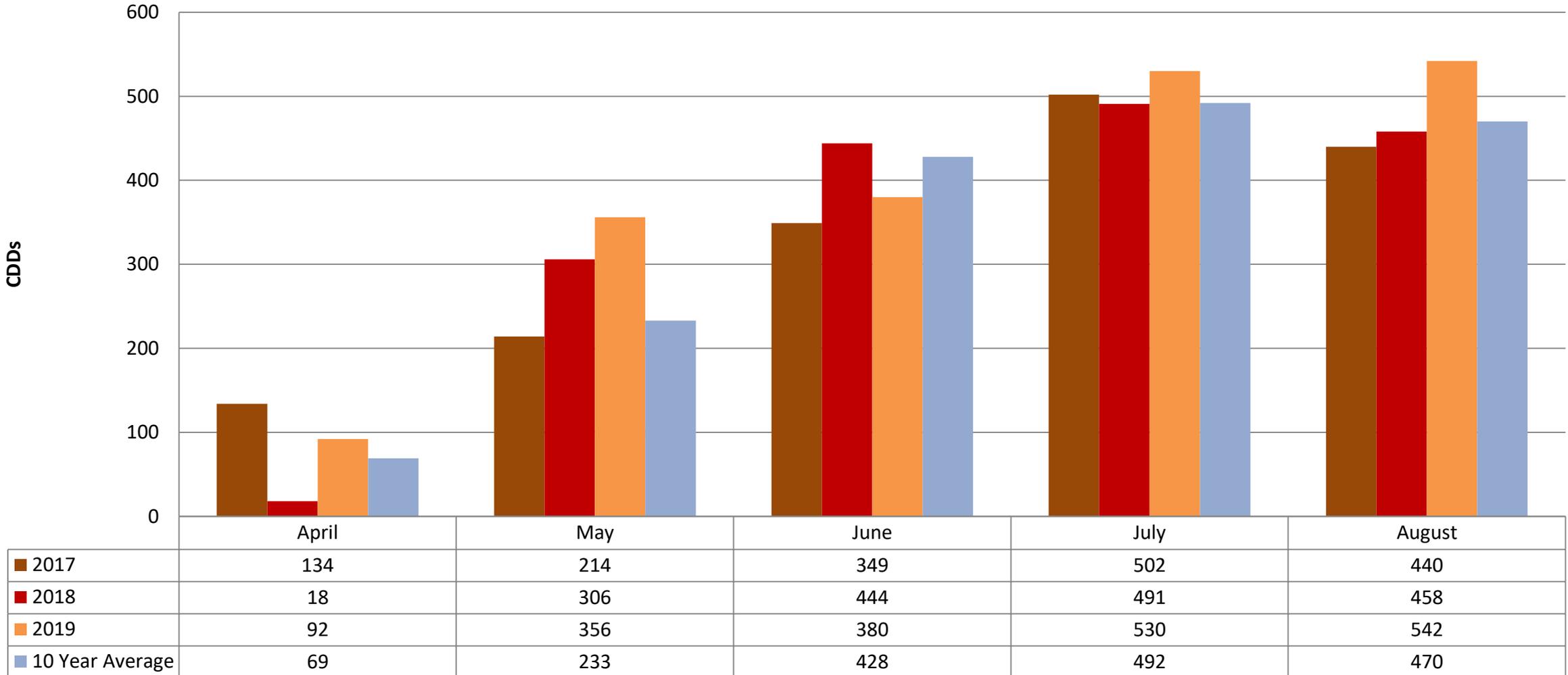
2019 Summer Review



2019 Summer Overview

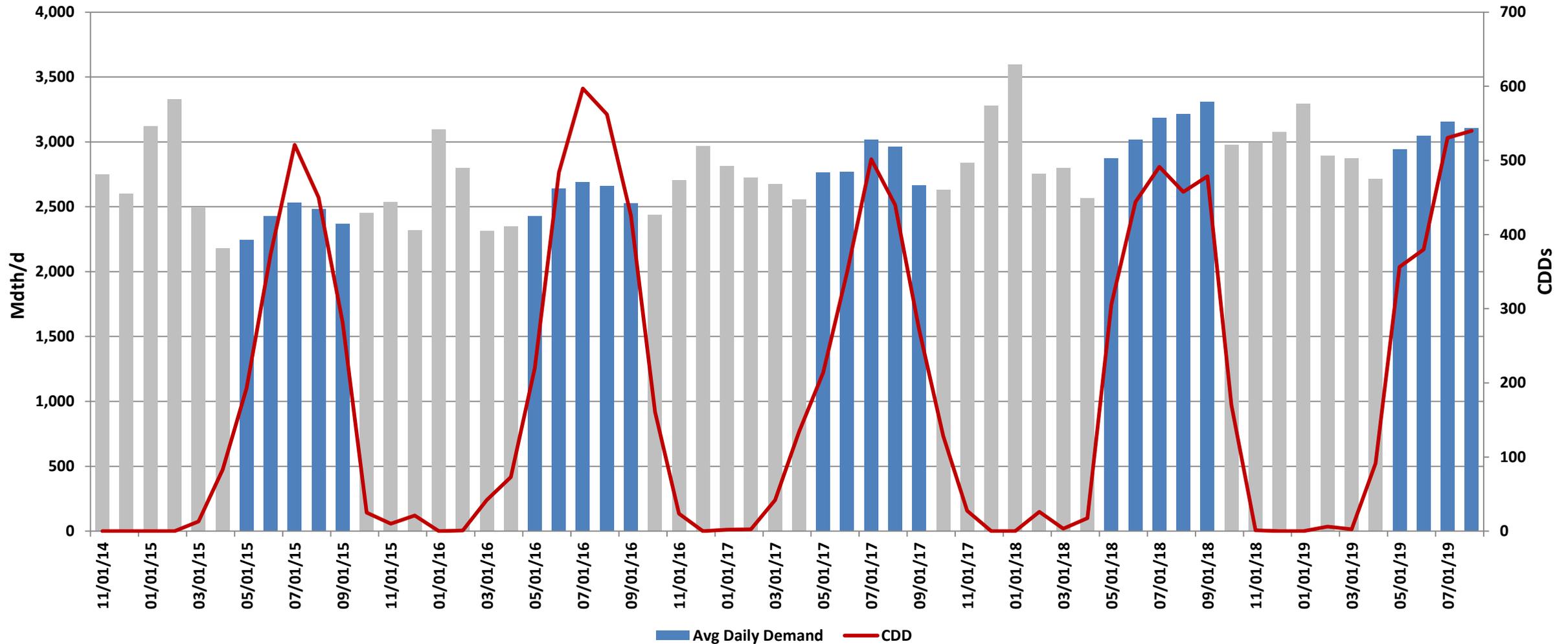
- SNG's facility performance was good during hot weather
 - Compressor stations were staffed as needed during maintenance projects
 - East end supply reduced the dependence on south system compression and long haul capacity.
- Record power generation
- 2018 Summer vs 2019 Summer
 - 2018 – milder than this year, shorter duration.
 - 2019 – higher temperatures, longer duration.
- Storage facilities performed well

Summer Cooling Degree Days (CDDs*)



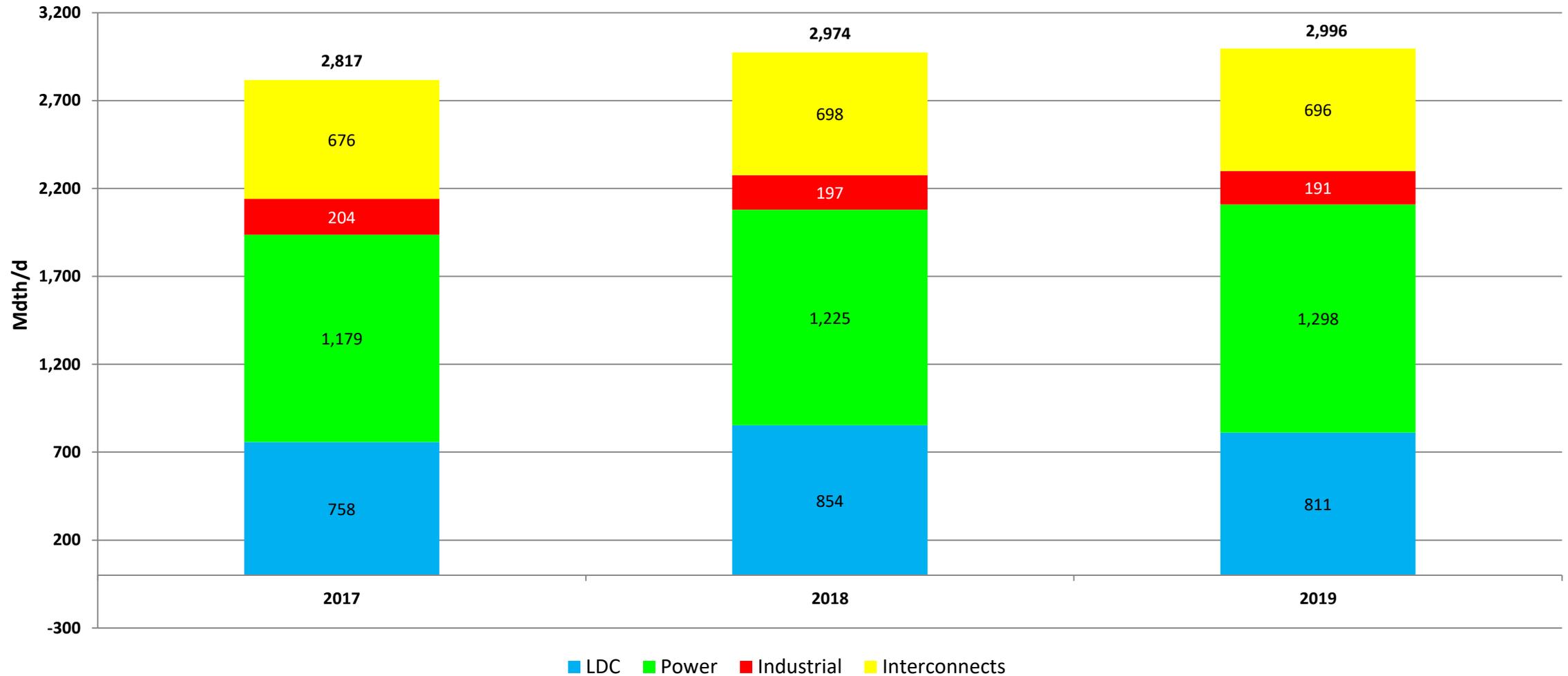
*CDD = System Mean Temperature Minus 65 Degrees

Impact of Summer Weather on Total Demand



Average Daily Deliveries

APR – AUG





2019 Summer Throughput

- Total System Deliveries averaged 2,996 MDth/d
- Peak power generation days for 2019
 - 08/13/19 1,867 MDth
 - 07/02/19 1,825 MDth
 - 08/12/19 1,809 MDth
- SNG set several Power Demand Records this summer (includes EEC)
 - 3 out of top 5 days
 - 4 out of top 10 days
 - 9 out of top 20 days
- Power Generation increase
 - Warmer than average summer

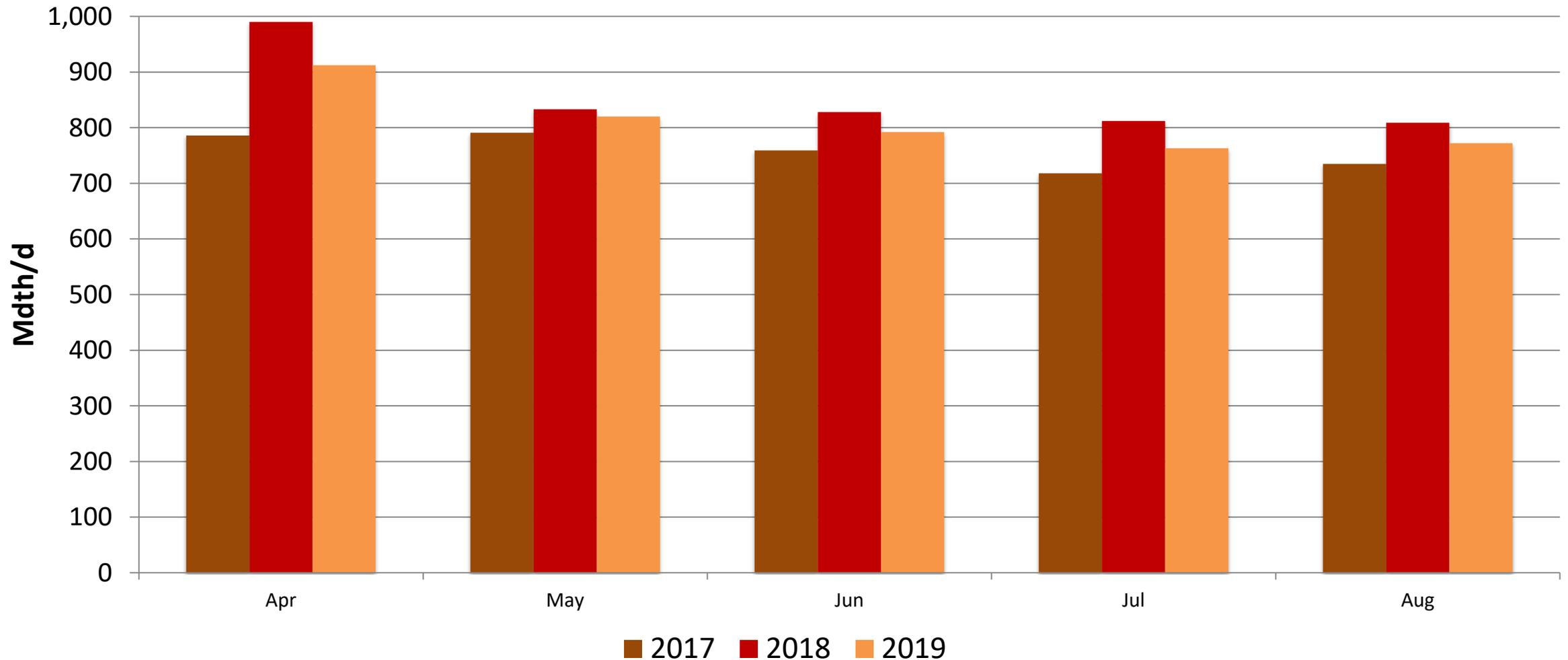


Summer Throughput

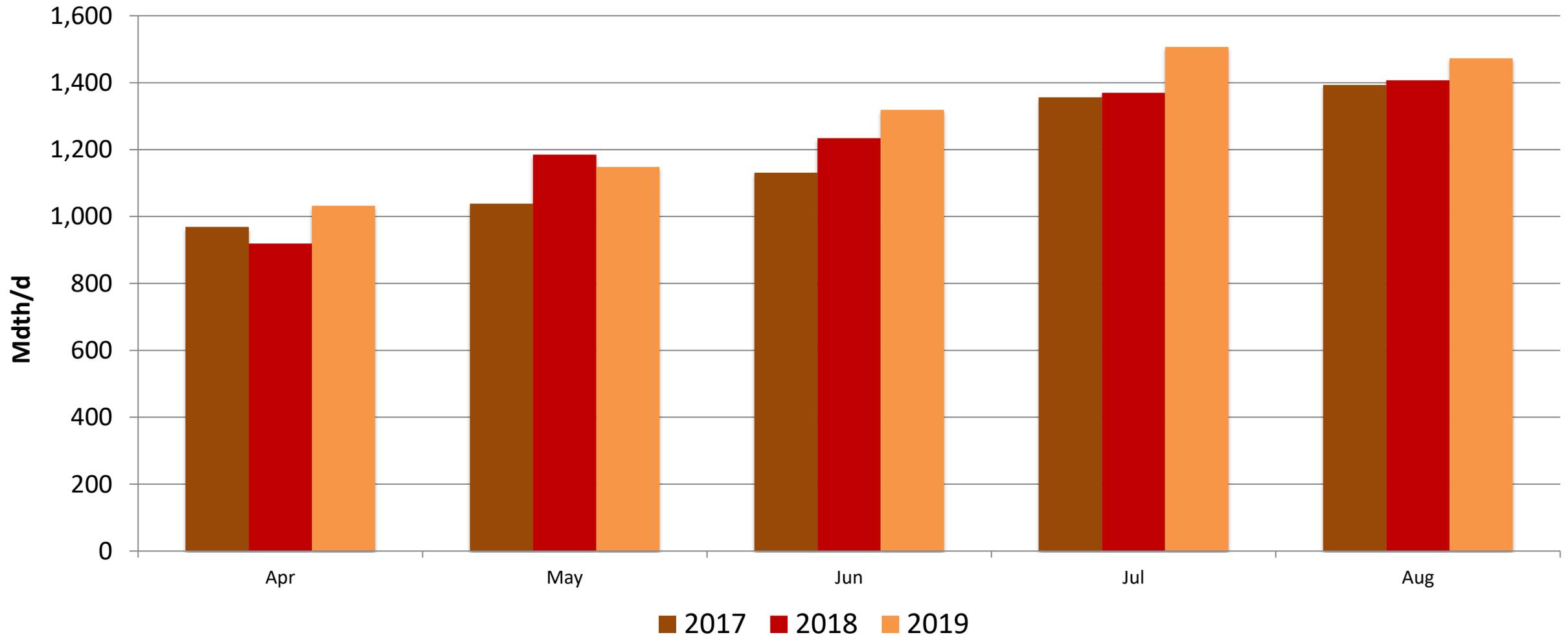
	<u>2019</u> <u>Apr – Aug</u>	<u>2018</u> <u>Apr – Aug</u>	<u>% Change</u>
LDC	811	854	-5.0%
Power	1,298	1,225	+6.0%
Industrial	191	197	-3.0%
Interconnects	696	698	-0.3%
TOTAL	2,996	2,974	+0.7%

• All volumes are MDth/d

Summer Average Daily LDC Demand

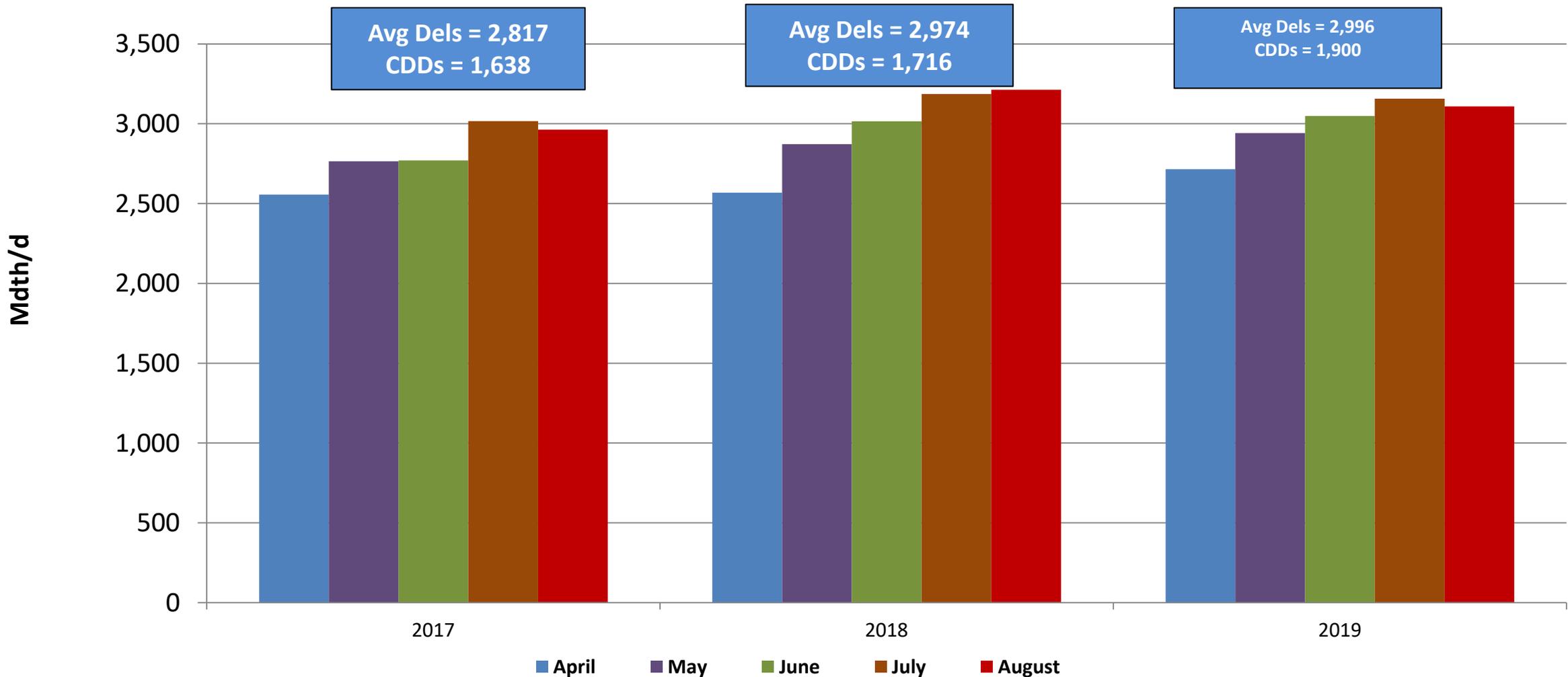


Summer Average Daily Power Demand





Summer Deliveries By Year





2018-2019 Winter Review



Winter Review

- SNG's facilities performed well during this winter
 - Compressor stations staffed 24x7 as needed
 - Horsepower reliability
- Overall, winter had milder temperatures
- Storage assets were heavily utilized. Extended customer withdrawals through March



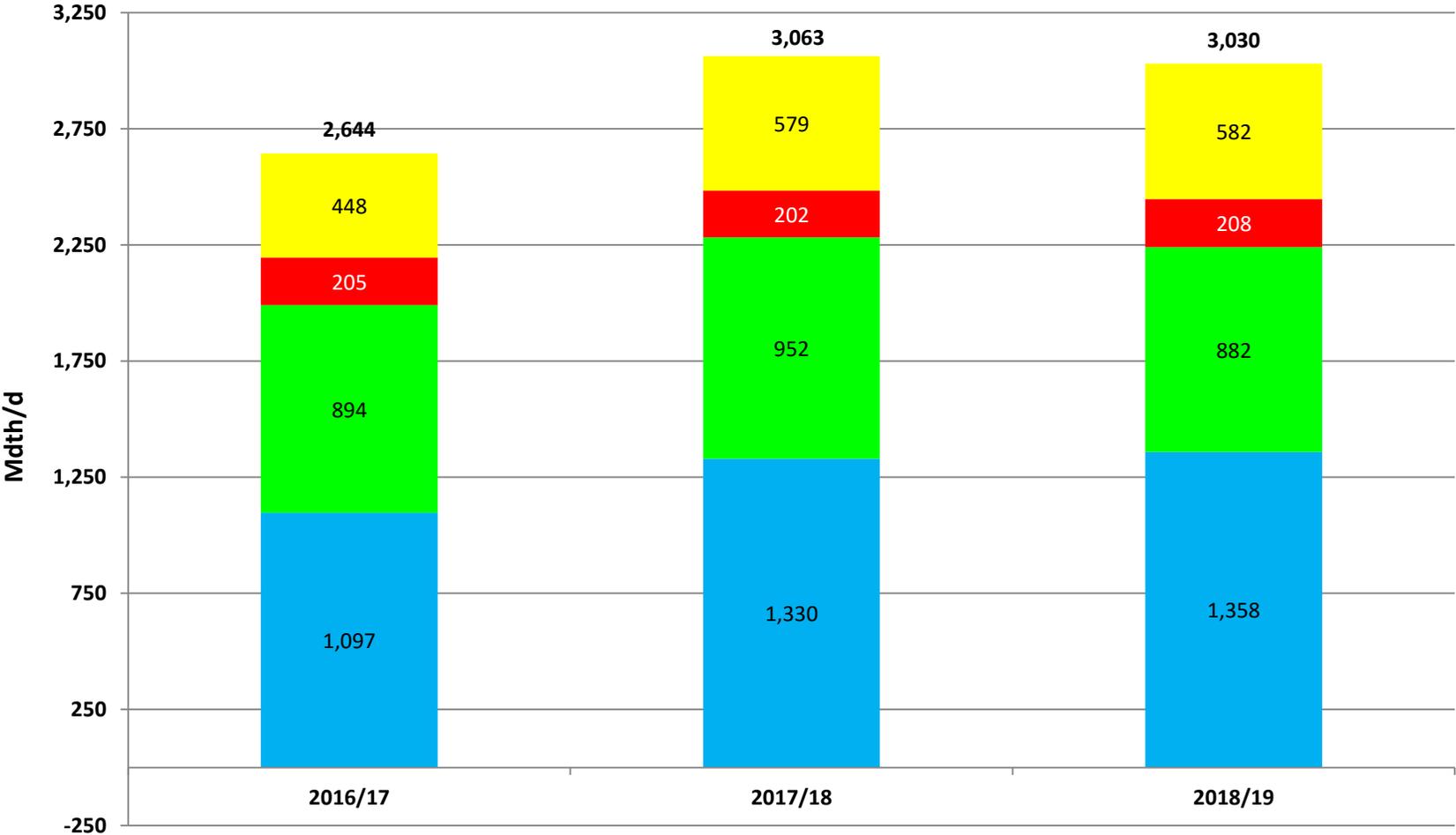
Peak Winter Day Rankings

RANK	GAS FLOW DAY	MDTH
1	1/17/2018	4,428
2	1/18/2018	4,411
3	12/15/2016	4,396
4	1/4/2018	4,319
5	1/7/2017	4,301
6	1/3/2018	4,254
7	1/2/2018	4,249
8	2/19/2019	4,249
9	1/8/2017	4,208
10	12/13/2010	4,188

Average Daily Deliveries (November – March)



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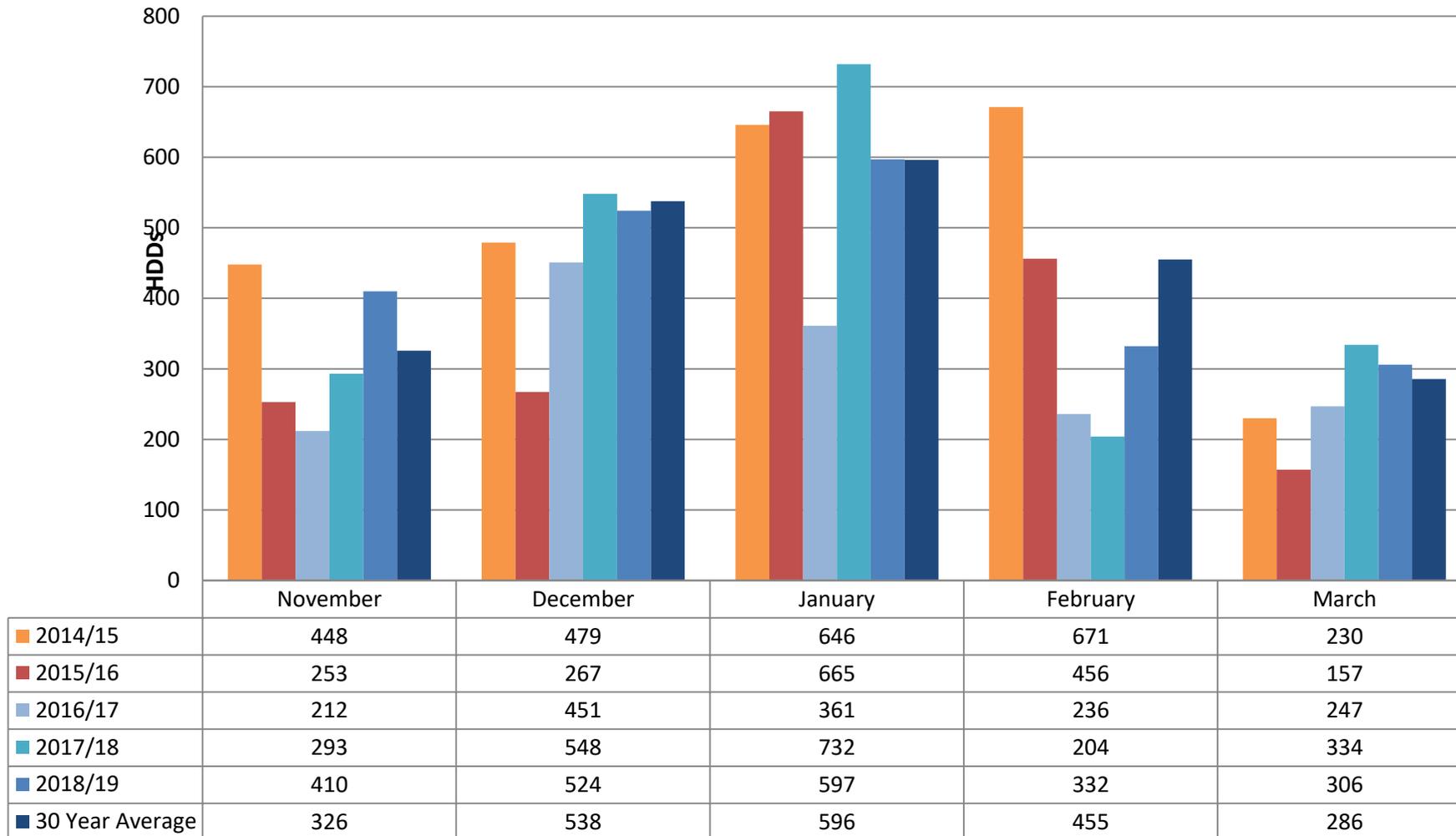


LDC Power Industrial Interconnects

Winter Heating Degree Days (HDDs*)



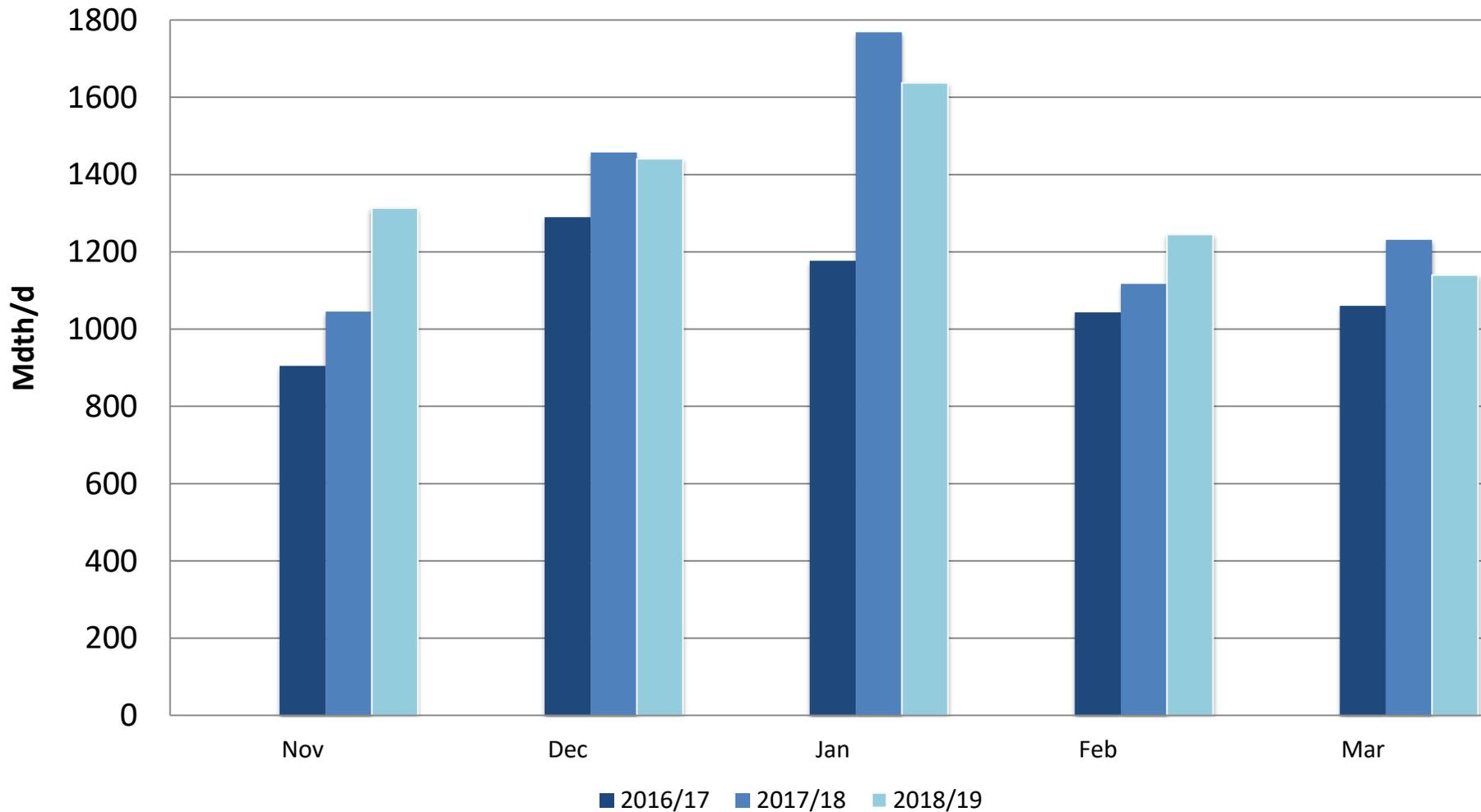
2013-2019



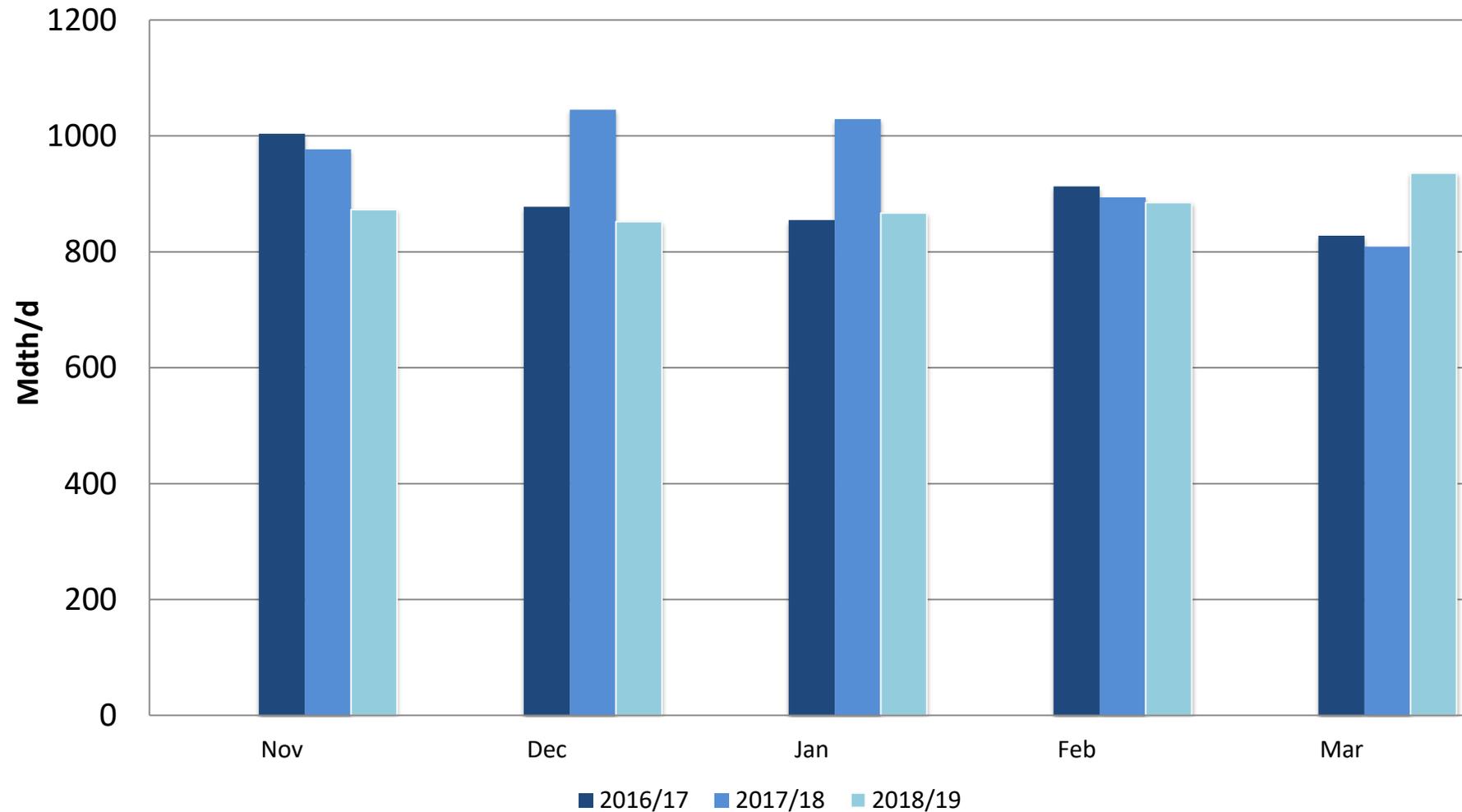
*HDD = 65 Degrees Minus System Mean Temperature



Winter Average Daily LDC Demand

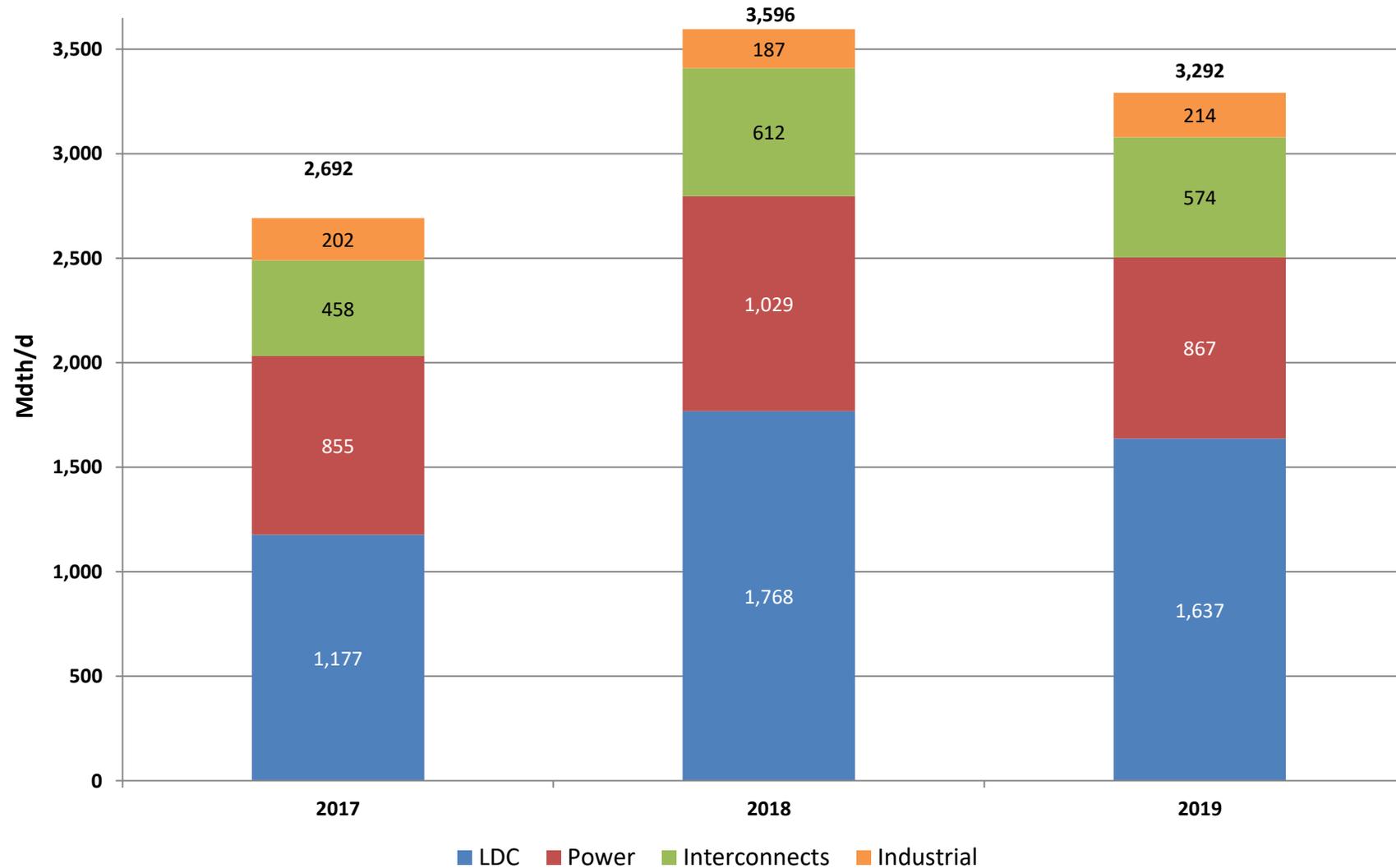


Winter Average Daily Power Demand



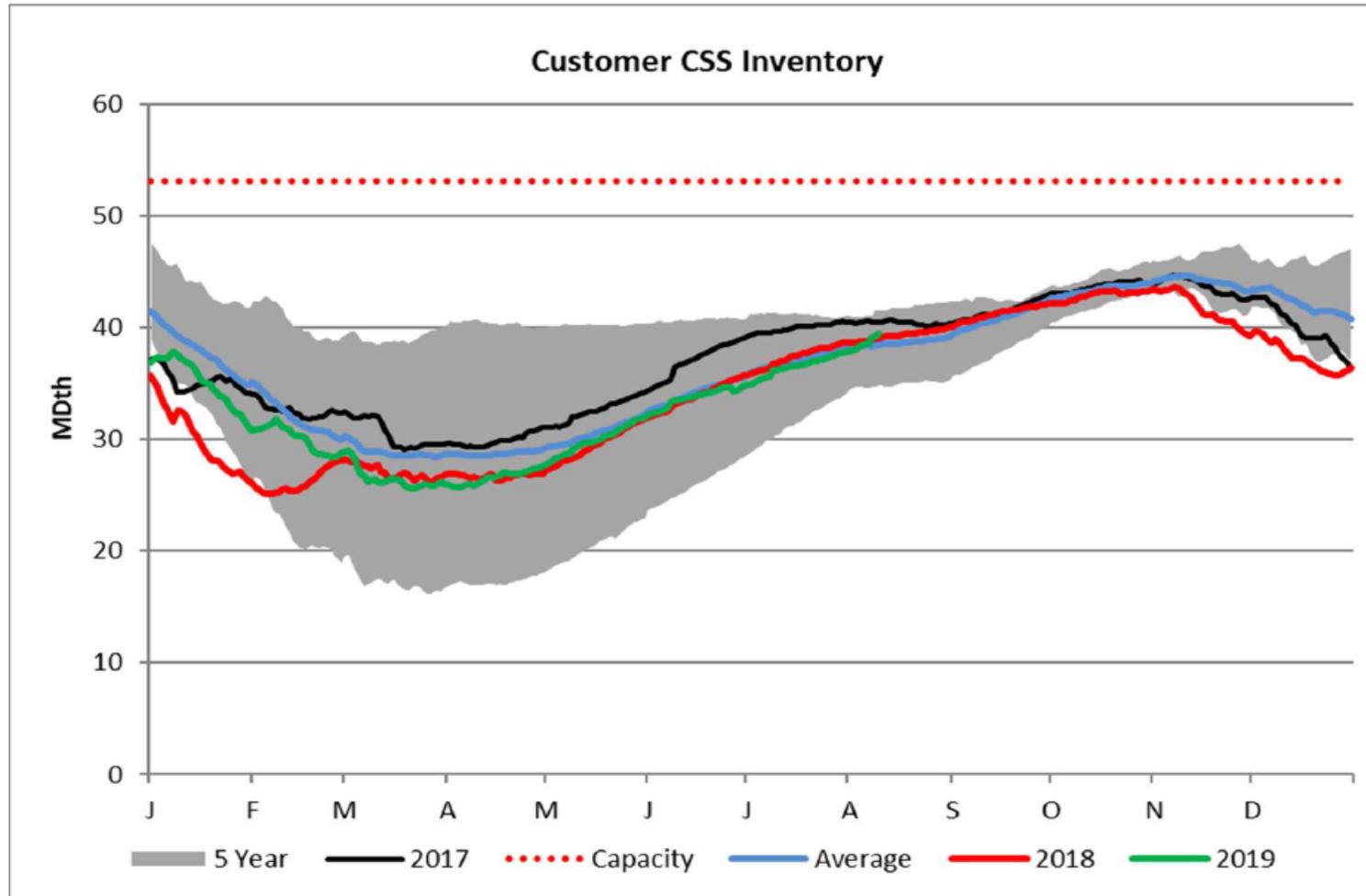
Average January Daily Deliveries

2017-2019





CSS Storage Inventory





Operational Flow Orders (OFOs)

OFO Factors

- Operational Flow Orders (OFOs) are Implemented to Protect System Integrity and Firm Commitments
- The Below Factors Dictate the Type and Level of OFO that may be Needed on the System:
 - Weather Forecast – System Means in the mid-40's and mid-80's are where Demand has Historically Approached Capacity
 - Expected Duration of Weather Event
 - Day of Week – Weekday Demand exceeds Weekend/Holiday
 - Scheduled Activity vs Actual Flows on and off the System
 - System Conditions – Maintenance, Unplanned Outage etc.



Protecting System Integrity

- SNG's objective is to protect system integrity, as well as our firm commitments
- SNG's Type 3 OFO
 - For daily quantities taken in excess of the Shipper's Daily Entitlement plus a stated tolerance
 - Penalties are assessed only after a variety of group, shipper, and agent checks
- SNG's Type 6 Penalty
 - Initiated for Short Imbalances Due Pipe, Long Imbalances Due Shipper, or Both
 - If Net System Imbalance Test is met then no penalties are assessed



Maintenance Update

Maintenance Planning Process

- Typical types of planned work

Compressors:

- ESD and safety tests
- Emission tests
- Run-hour inspections & maintenance to insure reliability
- Various engine/compressor repairs

Integrity Management:

- Various pig runs (ILI)
- Remediation of anomalies
- Hydrotests
- Selected wrinkle bend replacements

3rd Party Needs:

- Class location changes
- Line relocations
- Expansion projects

Storage Field: Shut-in tests & maintenance – spring & fall

- Gas Control models impact to capacity and compares against expected flow to determine best outage windows
- Goal is to avoid impact to firm service that we forecast to be needed or coordinate with the customer(s) to manage the impact
- Plan may need to be adjusted to account for unscheduled outages, multiple outages, equipment availability, contractors, weather, and other items out of our control



Maintenance Communication

- Annual Maintenance Posting provided by March each year
- Updated Monthly (Long term plan is weekly)
 - Via EBB posting and Customer WebEx held prior to bid week
- Maintenance Contacts

Reese Hart – Manager
(713) – 420 – 4774 (office)
(832) – 248 - 2937 (cell)
maurice_hartiii@kindermorgan.com

Kal Dankovich – Outage Coordinator
(713) – 420 – 7522 (office)
(713) – 420 – 7305 (Gas Control)
kalman_dankovich@kindermorgan.com

Jimmy Reese – Lead Controller
(713) – 420 – 7310 (office)
(713) – 420 - 7305 (Gas Control)
Jimmy_reese@kindermorgan.com

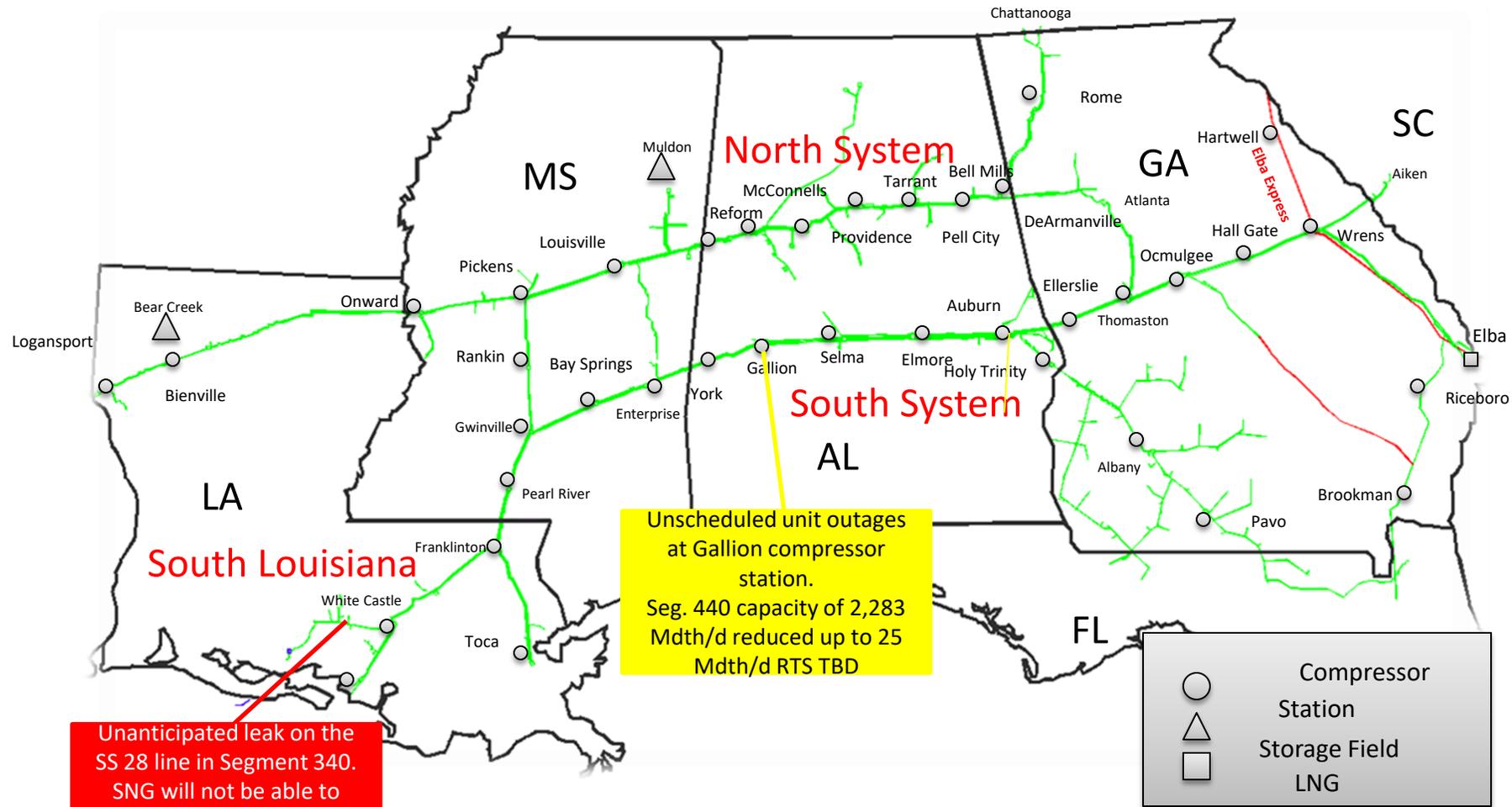
Daniel Mitchell – Lead Controller
(713) – 420 - 5874 (office)
(713) – 420 – 7305 (Gas Control)
daniel_mitchell@kindermorgan.com

Southern Natural Gas Pipeline

Unscheduled Outage Update



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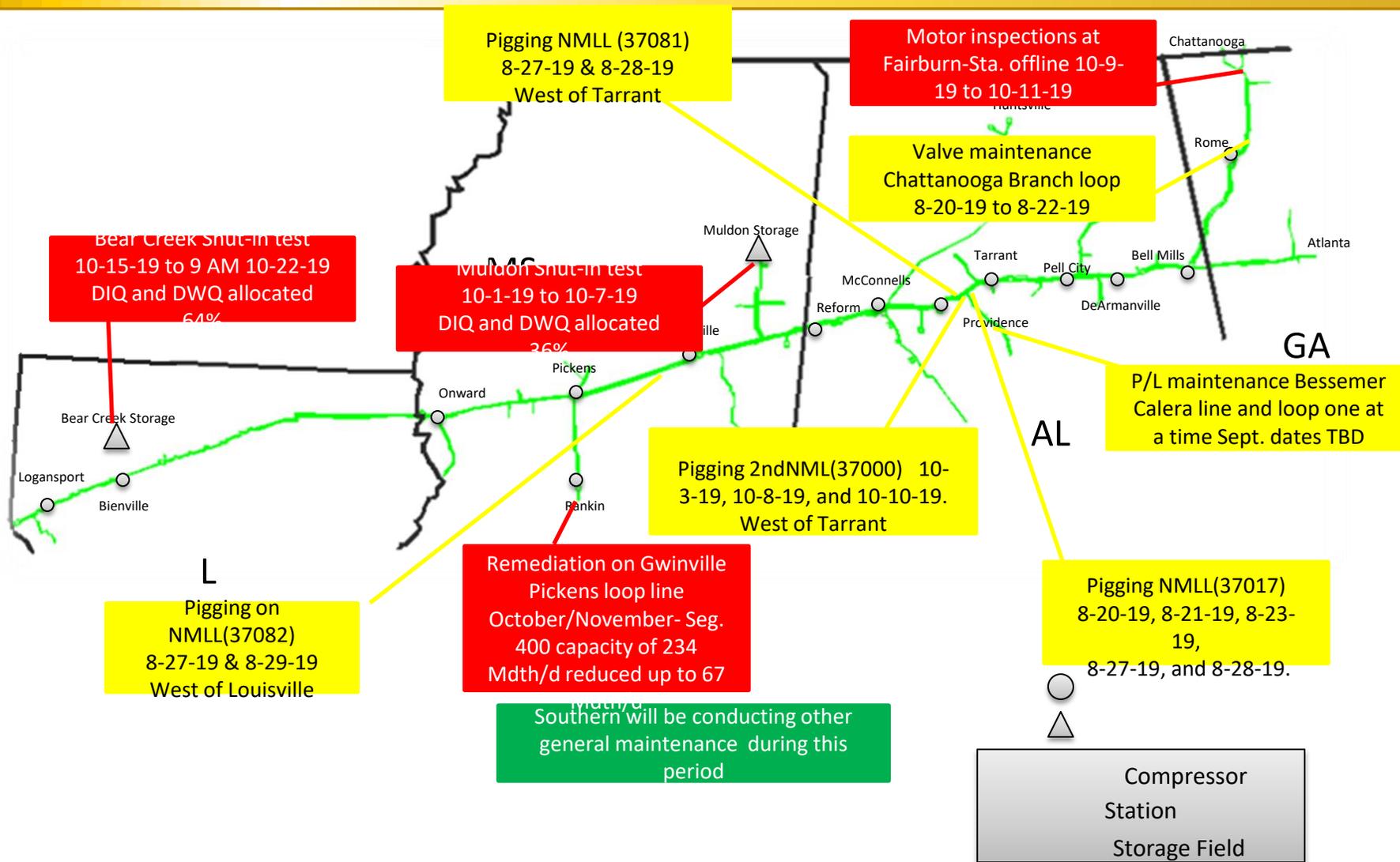


SNG North System



Southern Natural Gas Company, L.L.C.
a Kinder Morgan operated company

Maint. Review Aug./Sept./Oct.



SNG South System Maint. Review



Southern Natural Gas Company, L.L.C.
a Kinder Morgan operated company

August/September/October

Sta. Maint. At Gwinville
10-8-19 to 10-31-19
Segment 410 capacity
of 1,658 Mdth/d
reduced up to 270
Mdth/d
IT & OOP could be
impacted

Unit Maint. At Gwinville
Sta. 6-17-19 to 10-18-
19 Seg. 390 capacity of
1,607 Mdth/d reduced
up to 235 Mdth/d. Seg.
400 Cap. Of 234
Mdth/d impacted up to
64 Mdth/d 6-24-19 to
8-28-19

Unit Maint. At
Ocmulgee comp. Sta. 6-
12-19 to
11-15-19 Seg. 530
capacity of 804 Mdth/d
reduced up to 72
Mdth/d

Pigging on
SMLL(37022)
East of Elmore
9-24-19, 9-26-19, & 9-
30-19

Pigging
SM3rdLL(37077)
East of Enterprise
9-24-19 & 9-26-19

Pigging
SM2ndLL(37019)
East of Ocmulgee
In September, dates
TBD

Enterprise
9-2-19 to 9-27-19. Seg.
430 capacity of 2,283
Mdth/d reduced up to
177 Mdth/d
IT & OOP could be

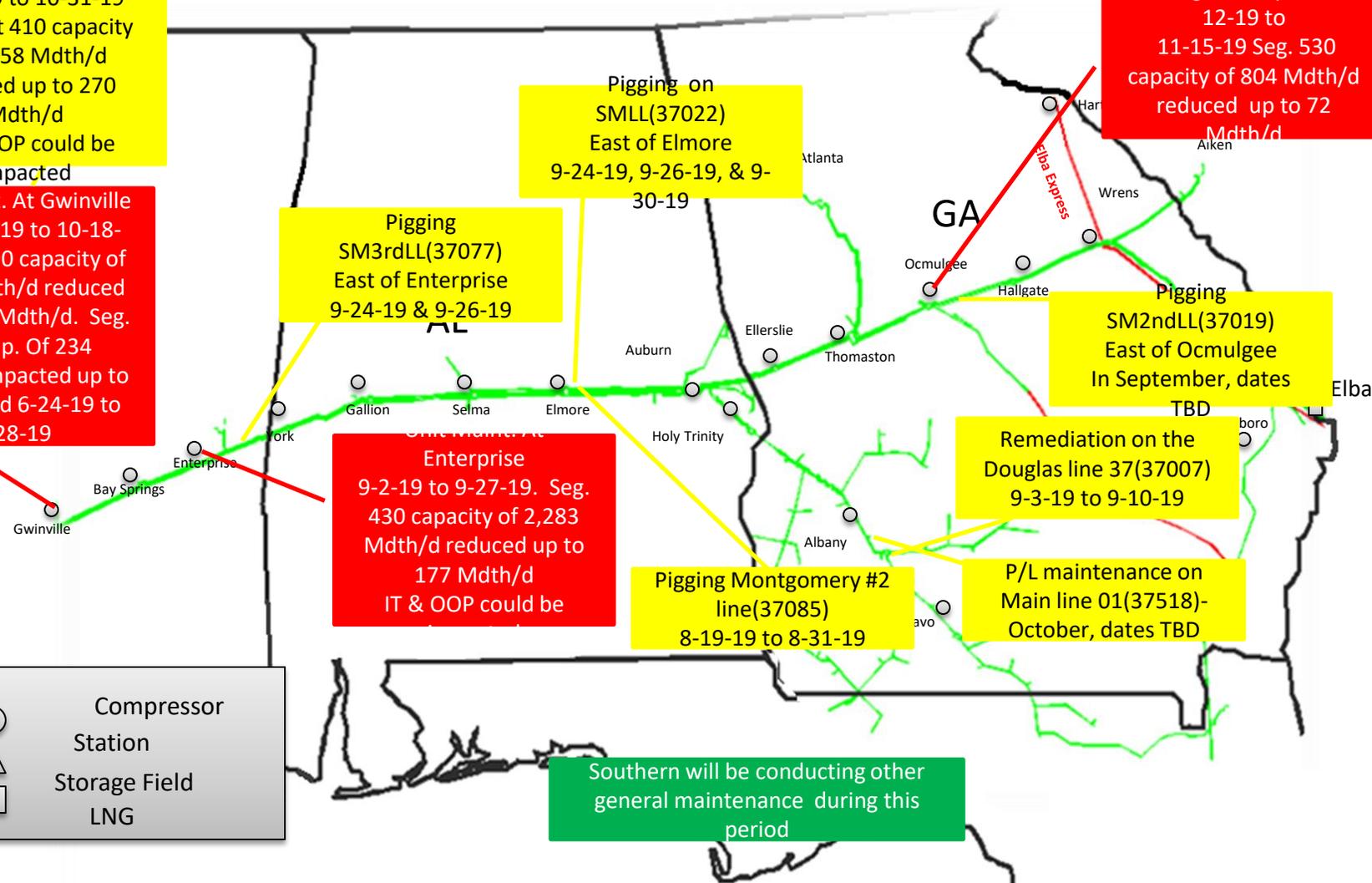
Remediation on the
Douglas line 37(37007)
9-3-19 to 9-10-19

Pigging Montgomery #2
line(37085)
8-19-19 to 8-31-19

P/L maintenance on
Main line 01(37518)-
October, dates TBD

Southern will be conducting other
general maintenance during this
period

○ Compressor Station
△ Storage Field
□ LNG



SNG South Louisiana System

Maint. Review Aug./Sept./Oct.



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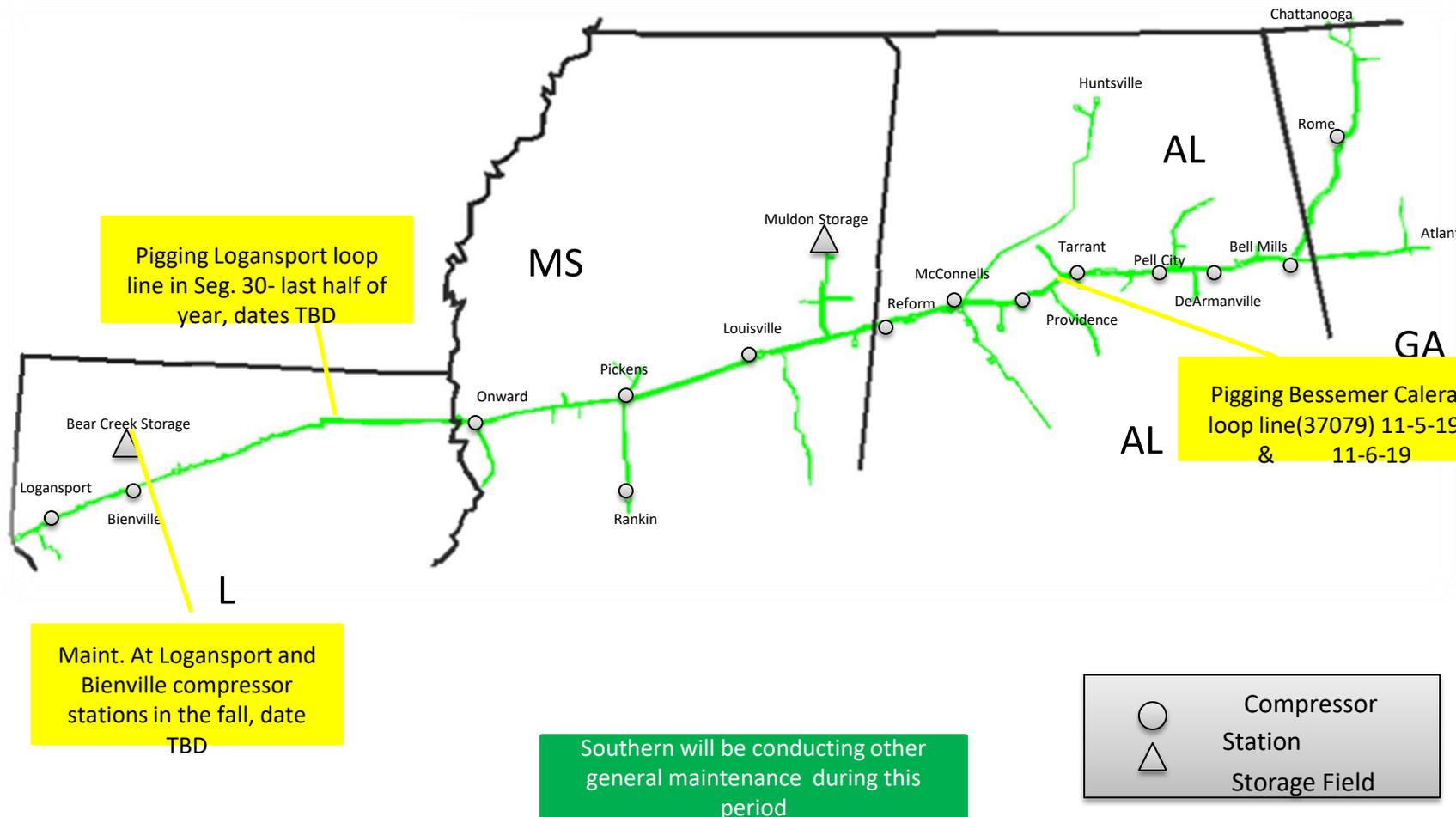
Southern will be conducting other general maintenance during this period

SNG North System



Southern Natural Gas Company, L.L.C.
a Kinder Morgan operated company

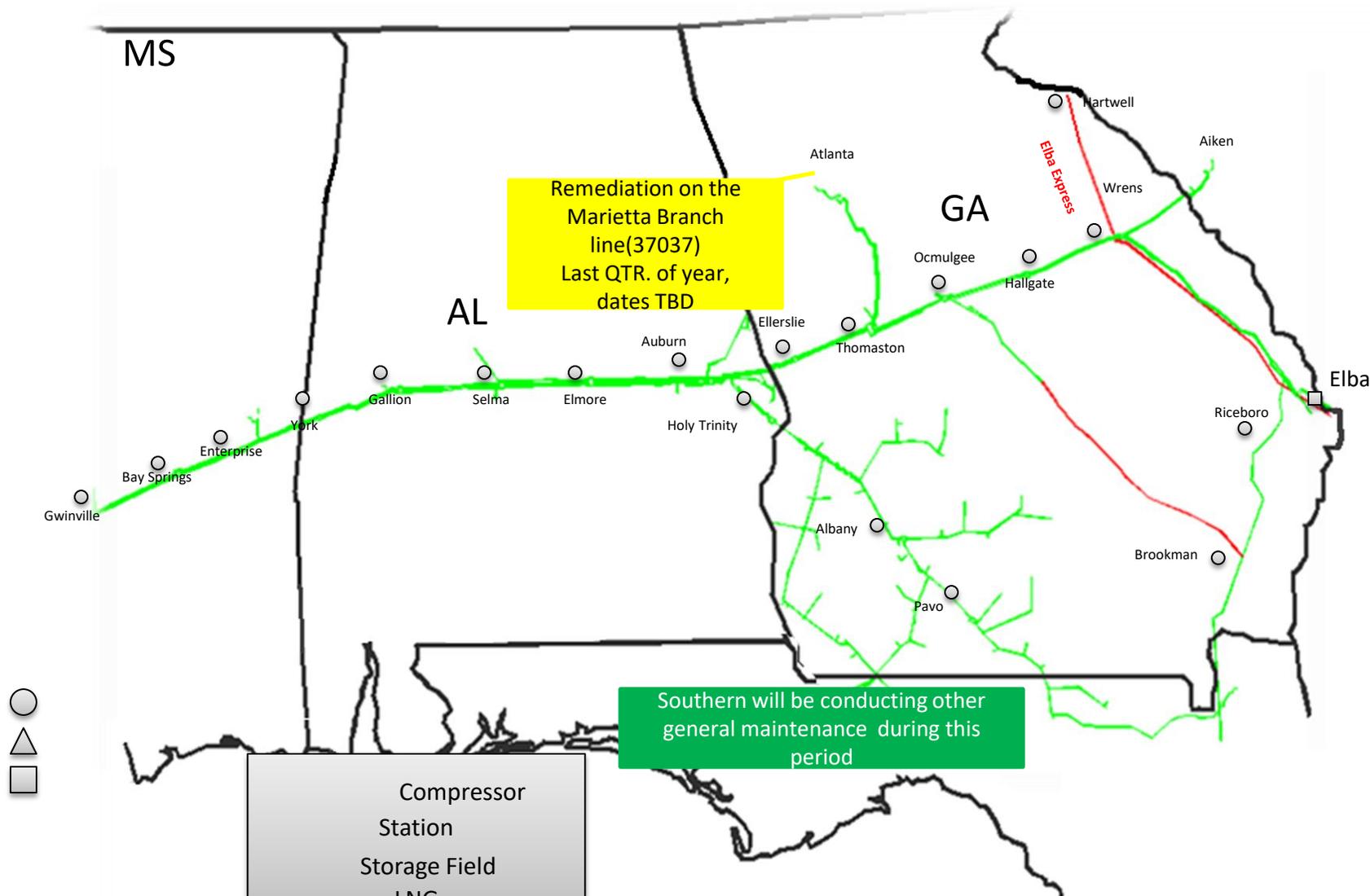
Maint. Review remainder of year



SNG South System Maint. Review



Remainder of the year



SNG South Louisiana System



Southern Natural Gas Company, L.L.C.
a Kinder Morgan operated company

Maint. review Remainder of year



Southern will be conducting other general maintenance during this period



Getting Ready for Winter 2019-2020



Preparing for Winter 2019-20

- Readiness testing on HP will be completed before winter
- Storage fields should be operational and at adequate levels
- Plan is to complete maintenance projects by November
- OFO philosophy will remain consistent with past years
- Expected pipeline flows:
 - Continued strong power loads, record loads expected
 - Fairburn & Hartwell offer new east-end supply opportunities
- Departmental contact information is provided in your meeting packet

Overview of SNG Fuel Tracker And Explanation of SCRM and ACA Surcharges

***Brooks Henderson
Director of Rates
September 19, 2019***

SNG Fuel Tracker

- SNG fuel retention percentages (rates) are updated each April 1st and October 1st
 - Summer season is April - September
 - Winter season is October – March
- SNG storage fuel retention percentages (rates) are updated once each year on April 1st
- These fuel retention rates are mainly to recover fuel used by compressors
 - Compressors use gas (dth) or electricity to run
 - Monthly electricity costs are divided by the monthly SNG index price to convert to dth fuel usage
 - This amount of dth sold to cover electric bill

SNG Fuel Tracker, cont'd.

- Per the tariff, fuel rates are calculated using actual fuel usage and actual throughput from the prior summer/winter period
- If SNG collects less dth than is actually used in a period, this under-recovery is added to the next winter/summer fuel rate calculation which by itself would increase the rate
- If SNG collects more dth than is actually used in a period, this over-recovery is reflected in the next winter/summer fuel rate calculation which by itself would lower the rate

SNG Fuel Tracker, cont'd.

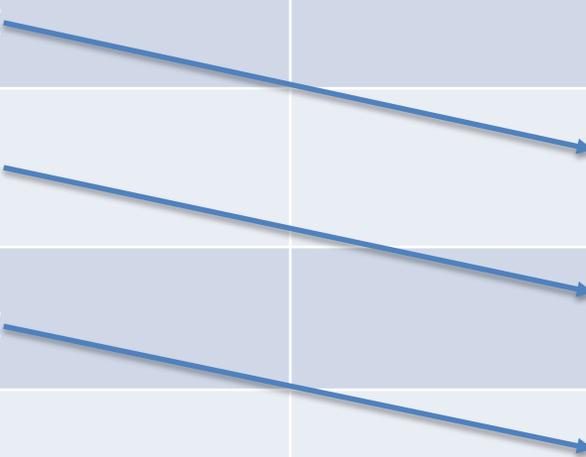
- The more extreme the weather (very hot or very cold), the higher the average fuel used per dth of throughput
 - This is due to having to use more of the less-efficient compression vs. what is used in normal weather
 - Extreme weather normally increases the next winter/summer fuel rates since SNG generally has a fuel under-recovery during extreme weather
- Due mainly to using actuals from the prior season, fuel rates can change a lot from one season to the next if weather is changing a lot as well (example next page)

SNG Fuel Tracker, cont'd.

- For example, assume summer #1 has average weather, summer #2 has very hot weather, and summer #3 has average weather
 - Summer #2 fuel rates are set up for an average summer (using summer #1 actual fuel use and throughput) and will more than likely result in an under-recovery in summer #2
 - Summer #3 fuel rates are higher since they are calculated based on data for a very hot summer (using summer #2 actual fuel use and throughput) and reflect the under-recovery from summer #2
 - This will more than likely lead to an over-collection in summer #3. Therefore, looking forward to summer #4, rates will likely be lower since they are set up for an average summer and reflect over-recovery from summer #3
- The above scenario illustrates why the 2019 summer rates were so much higher than the 2018 summer rates
 - 2019 summer rates correspond to summer #3 in the above example

SNG Fuel Tracker, cont'd.

	<u>Weather</u>	<u>Zone 3 Fuel Rate</u>
Summer 2016	Very hot	
Summer 2017	Average	3.50%
Summer 2018	Very hot	1.38%
Summer 2019		4.31%



SNG Fuel Tracker, cont'd.

- To help decrease the volatility in fuel rates, SNG is considering filing a tariff update to use estimated fuel volumes and estimated throughput (vs. actuals)
 - Fuel rates would still vary, but hopefully not as much
 - Would probably reflect average weather in each fuel tracker filing
- Filing would be effective no sooner than 9/1/21
 - SNG under a rate moratorium until 9/1/21 per 2018 settlement regarding changes to fuel mechanism

SNG Fuel Tracker, cont'd.

- SNG fuel rates can also vary due to the methodology for recovery of monthly electric compression costs
 - The basic concept is that SNG converts electric costs to an equivalent dth of fuel gas by dividing the electricity cost by the monthly index price and incorporating this estimated equivalent fuel gas usage into the overall fuel rate calculation
- Assume have \$1 mil monthly electric cost
 - If the index price is \$2.50, then SNG has 400,000 dth of fuel use
 - And sell 400,000 dth to cover electric bill
 - If the index price is \$4.00, then SNG has 250,000 dth of fuel use
 - And sell 250,000 dth to cover electric bill
- This has not been an issue in recent years as index prices have been fairly stable
 - \$2.50 - \$3.00 range

SNG Fuel Tracker, cont'd.

- The difference in the SNG monthly index price and actual price that the dth are sold at to cover electric bill results in a gain or loss
 - Per the 2013 rate case settlement, 85% of gain for each season refunded to customers
 - Losses carried forward to next year's winter/summer season
- Have not had any winter gain refunds (over past five winter periods)
 - Currently have a \$4.4 mil winter loss position since 2014
 - If this situation continues, SNG will need to change tariff to solve this situation
 - SNG studying how best to solve this situation



SNG Long-Haul Fuel Retention Rates

	<u>2018 Summer</u>	<u>2018-19 Winter</u>	<u>2019 Summer</u>	<u>2019-20 Winter</u>
Zone 0 & 1 (La./Miss.)	0.97%	1.78%	2.54%	1.64%
Zone 2 (Ala.)	1.20%	2.72%	3.46%	2.39%
Zone 3 (Ga./S. Car.)	1.38%	3.31%	4.31%	2.86%

SNG SCRM Surcharge

- SCRM = Storage Cost Reconciliation Mechanism
 - In Section 14.2 of the General Terms & Conditions of SNG's tariff
- Main purpose of SCRM surcharge
 - To credit/charge to customers any gains/losses made from the purchase or sale of gas to resolve shipper monthly cashout imbalances
 - To refund any OFO penalties collected
- SCRM surcharge updated annually to be effective Jan. – Dec.
 - Can be a credit surcharge or a debit surcharge
 - Currently it is a credit surcharge of \$.0011 applied to each dth transported
 - If SCRM deferred account is \leq \$500,000 at end of year, then balance carried forward and no SCRM surcharge for upcoming year

SNG ACA Surcharge

- ACA = Annual Charge Adjustment
 - In Section 28 of the General Terms and Conditions of SNG's tariff
- Purpose of ACA surcharge is to pay for the operating costs of the Federal Energy Regulatory Commission (FERC)
 - FERC sends to each pipeline a bill each year in June
 - Pipeline recovers this cost by charging to customers the ACA surcharge
- Current ACA surcharge is \$.0013 applied to each dth transported
 - All interstate gas pipelines pay the same surcharge
- Surcharge is updated annually by the FERC to be effective Oct. – Sept.

Questions?

Thank You for Your Business!

Supply Update

Devy Traylor

Director Business Development

September 19, 2019

Forward Looking Statements

This presentation contains forward-looking statements. These forward-looking statements are identified as any statement that does not relate strictly to historical or current facts. In particular, statements, express or implied, concerning future actions, conditions or events, future operating results or future production or available capacity are forward-looking statements. Forward-looking statements are not guarantees of performance. They involve risks, uncertainties and assumptions. Future actions, conditions or events and future results of operations of Kinder Morgan, Inc. may differ materially from those expressed in these forward-looking statements. Many of the factors that will determine these results are beyond Kinder Morgan's ability to control or predict. These statements are necessarily based upon various assumptions involving judgments with respect to the future, including, among others, the ability to achieve synergies and revenue growth; national, international, regional and local economic, competitive and regulatory conditions and developments; technological developments; capital and credit markets conditions; inflation rates; interest rates; the political and economic stability of oil producing nations; energy markets; weather conditions; environmental conditions; business and regulatory or legal decisions; the pace of deregulation of retail natural gas and electricity and certain agricultural products; the timing and success of business development efforts; terrorism; and other uncertainties. There is no assurance that any of the actions, events or results of the forward-looking statements will occur, or if any of them do, what impact they will have on our results of operations or financial condition. Because of these uncertainties, you are cautioned not to put undue reliance on any forward-looking statement. Please read "Risk Factors" and "Information Regarding Forward-Looking Statements" in our most recent Annual Report on Form 10-K and our subsequently filed Exchange Act reports, which are available through the SEC's EDGAR system at www.sec.gov and on our website at www.kindermorgan.com.

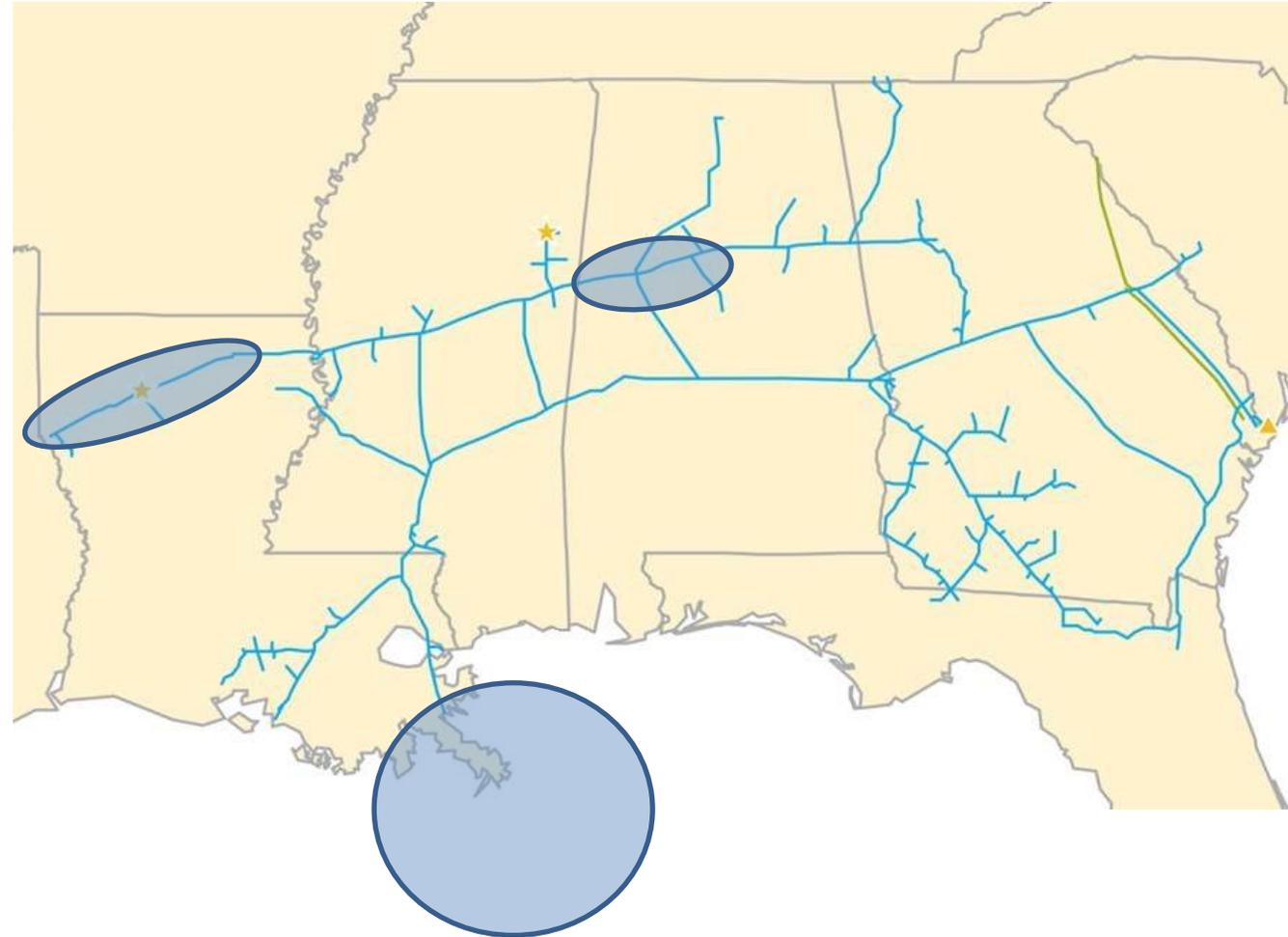
Overview

- Supply Situation
- Supply Opportunities
- Elba Express
- Fairburn
- Growth Projections

Supply History

SNG System Design

- SNG was designed and built to move large quantities of gas from the Gulf of Mexico, especially from our “East Leg” to markets in MS, AL, GA, SC, FL, and TN
- Other traditional supply sources include North Louisiana and West Alabama



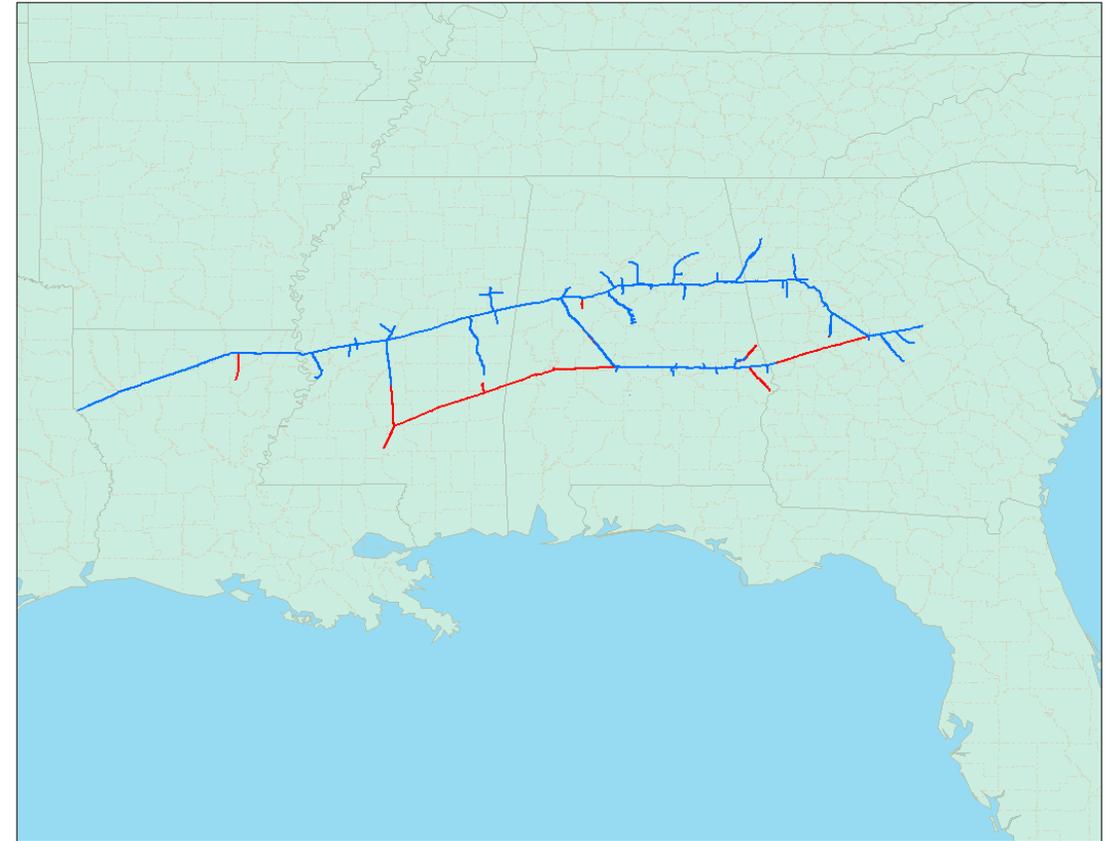
Gas Supply is Dynamic

- In 1929 when SNG began service the supply predominantly came from Perryville Field
- By late 1931 we were moving compressors around due to low field pressures
- In 1942 we extended the line back to Logansport Field



New Markets, New Supply

- In the 1950s SNG built most of the South Main Line to serve growing demand
- We also extended our supply lines down to the Gwinville Field in Mississippi

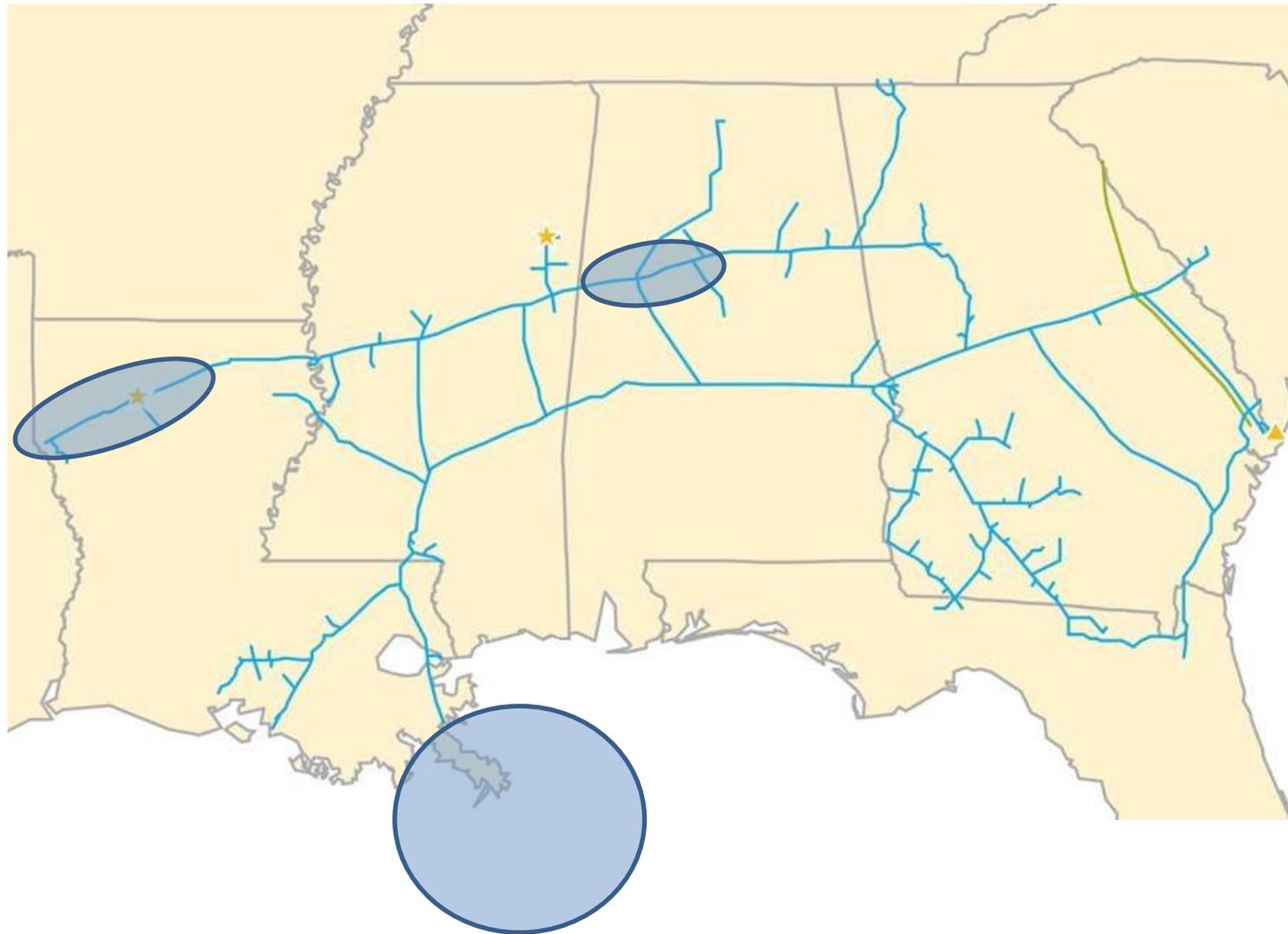


Lasting Supply Found ...or not

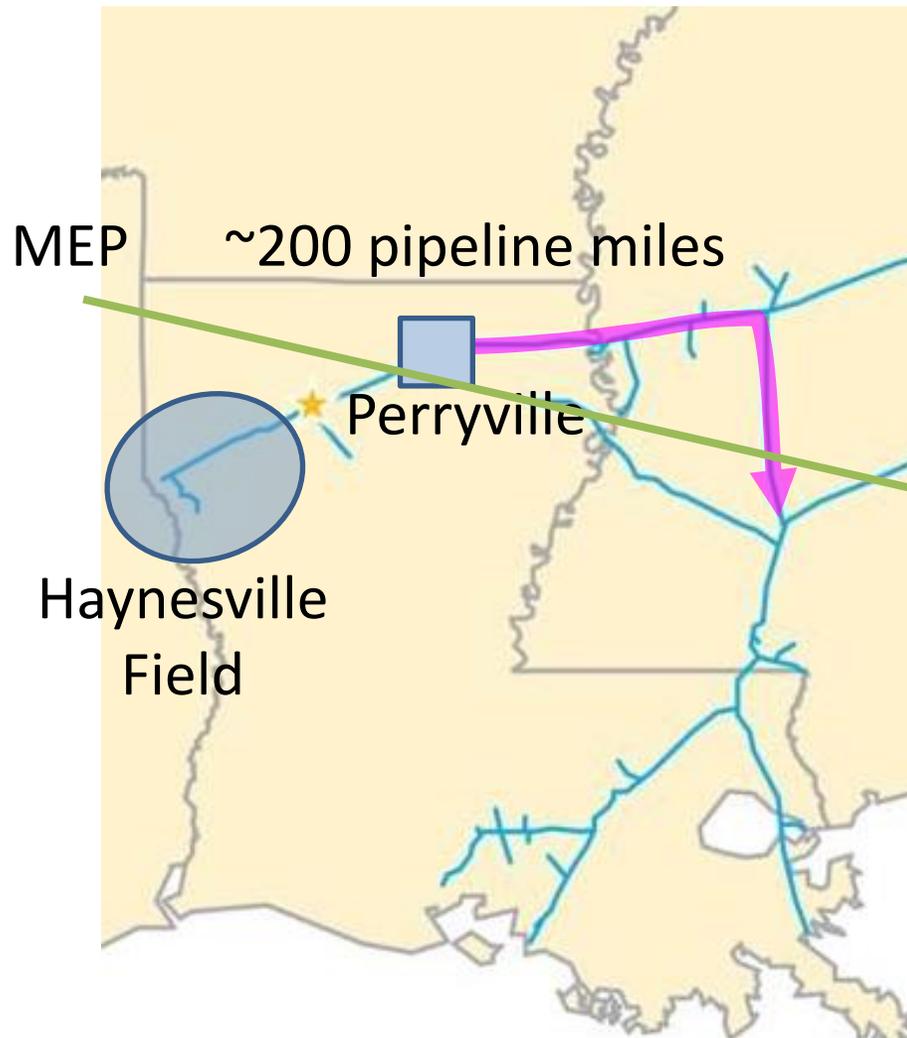
- In the 1960s SNG extended its pipeline into the Gulf of Mexico for seemingly endless supply
- By the 1990s we received over 1 Bcf/d of supply from the Gulf
- Today very little of our supply is actually from offshore production



Predominant On-system Supply

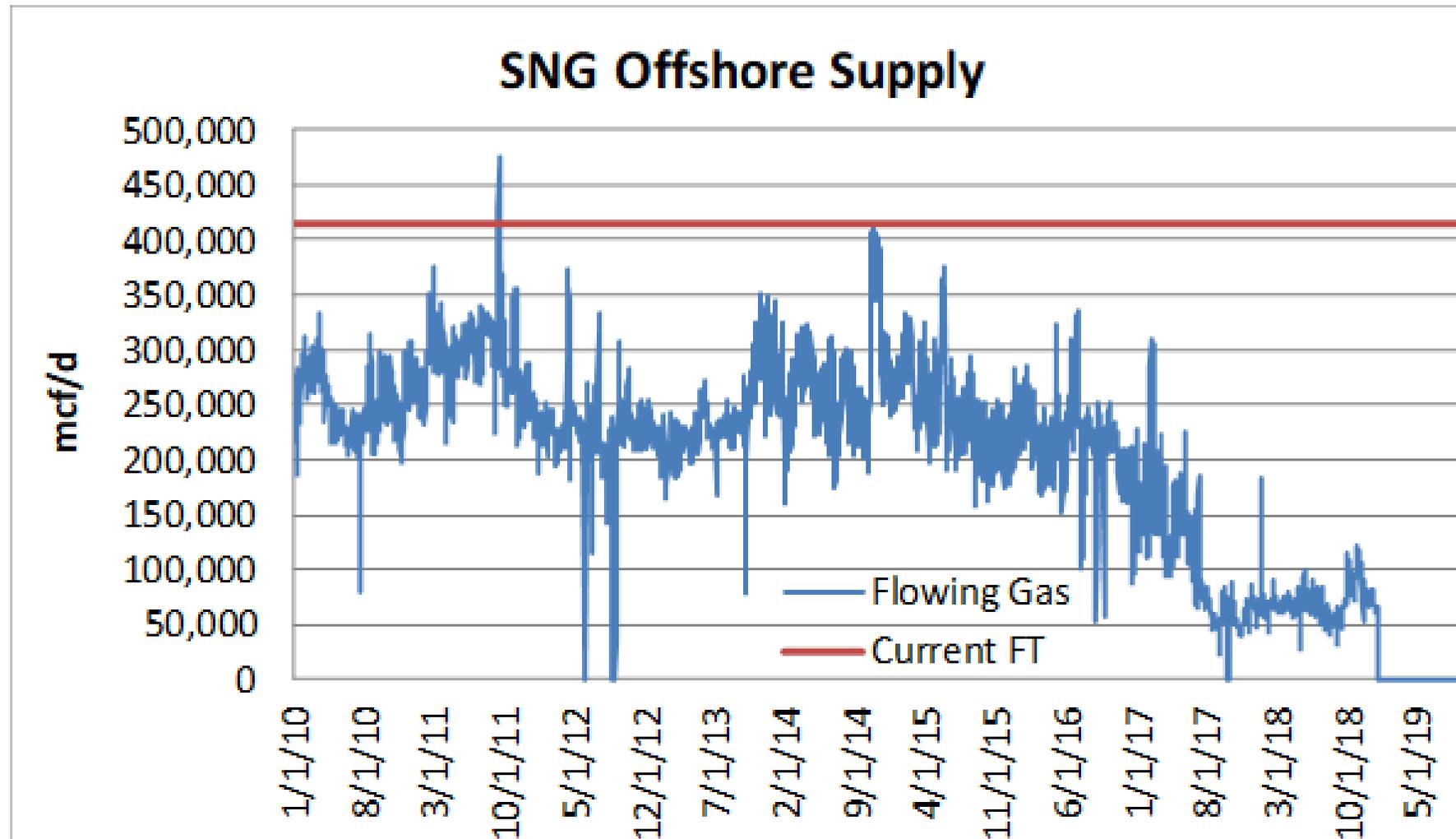


North Louisiana

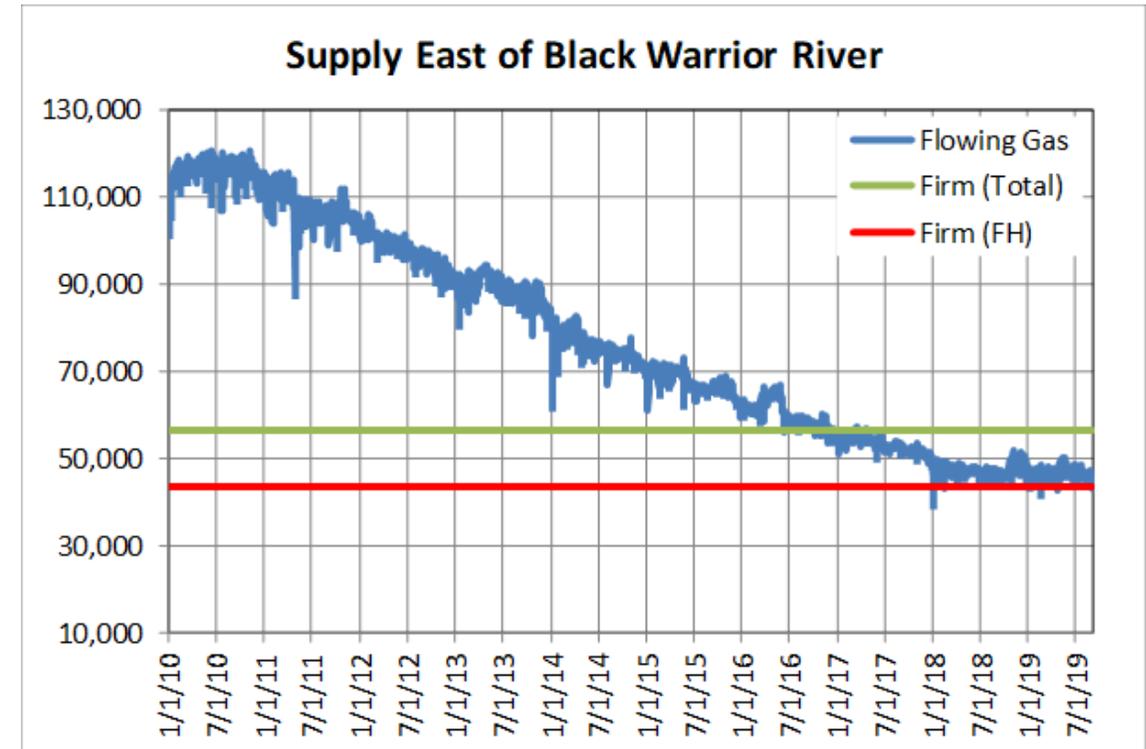
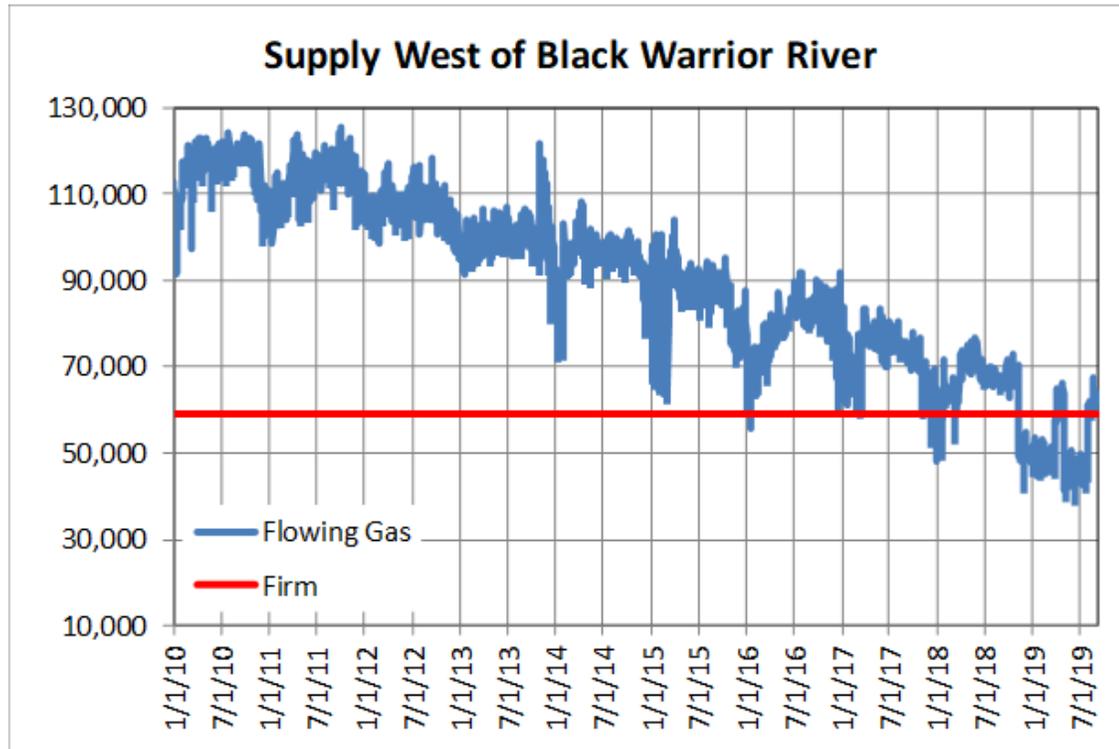


- Haynesville Field is stirring, but not vibrant
- Perryville Hub is liquid
 - Multiple interconnecting pipes
- However, SNG's system is a low pressure, small diameter pipeline in that area
 - Our studies show that it is cost prohibitive at this time to expand access to this supply
 - There other pipelines (such as MEP) that access this supply that are not fully utilized

Declines in SNG's East Leg Offshore Supply



Coal Seam Supply - Alabama



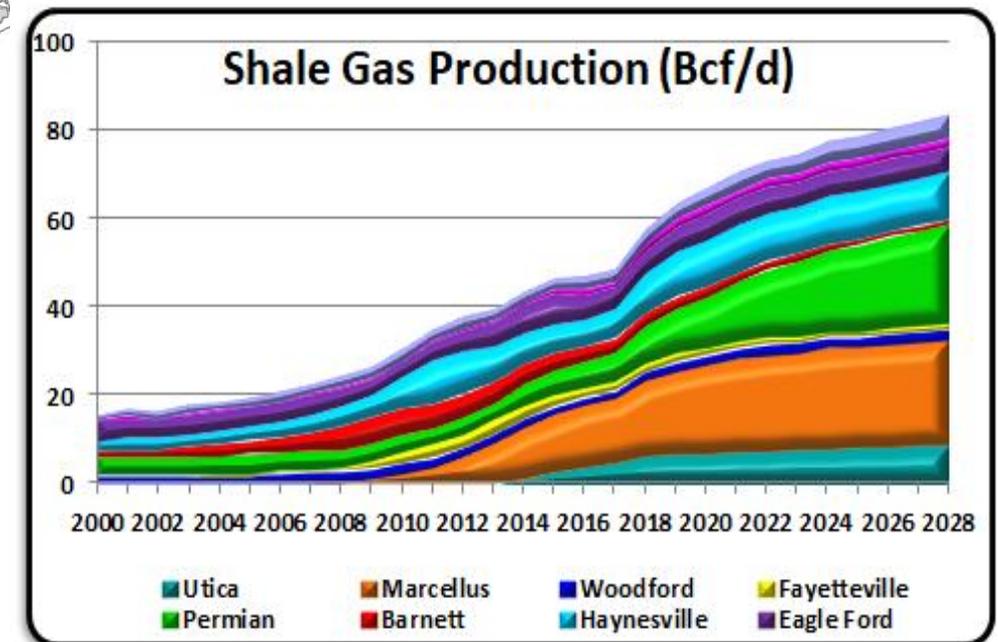
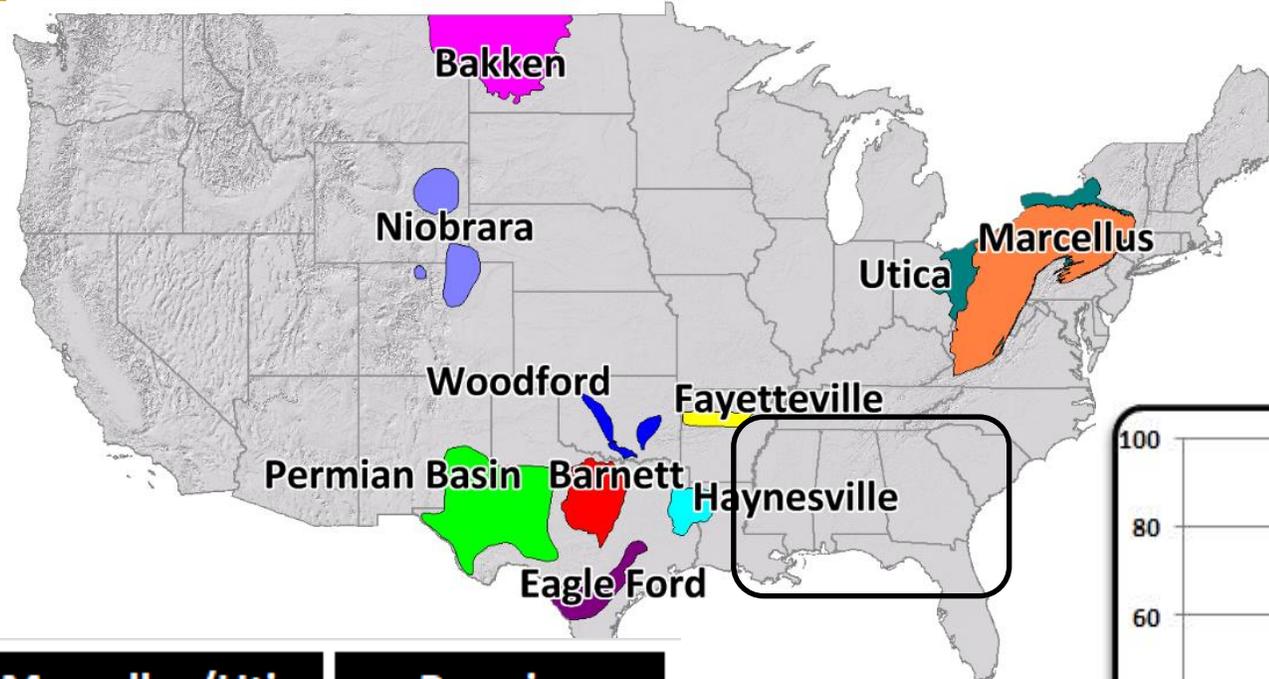
Imported LNG



- In 2001 SLNG reactivated the Elba Island LNG import terminal
- Imported LNG seemed to be the solution to shrinking domestic supply
- We added tanks, vaporizers, and even built EEC pipeline

And then.....

Shale Gas



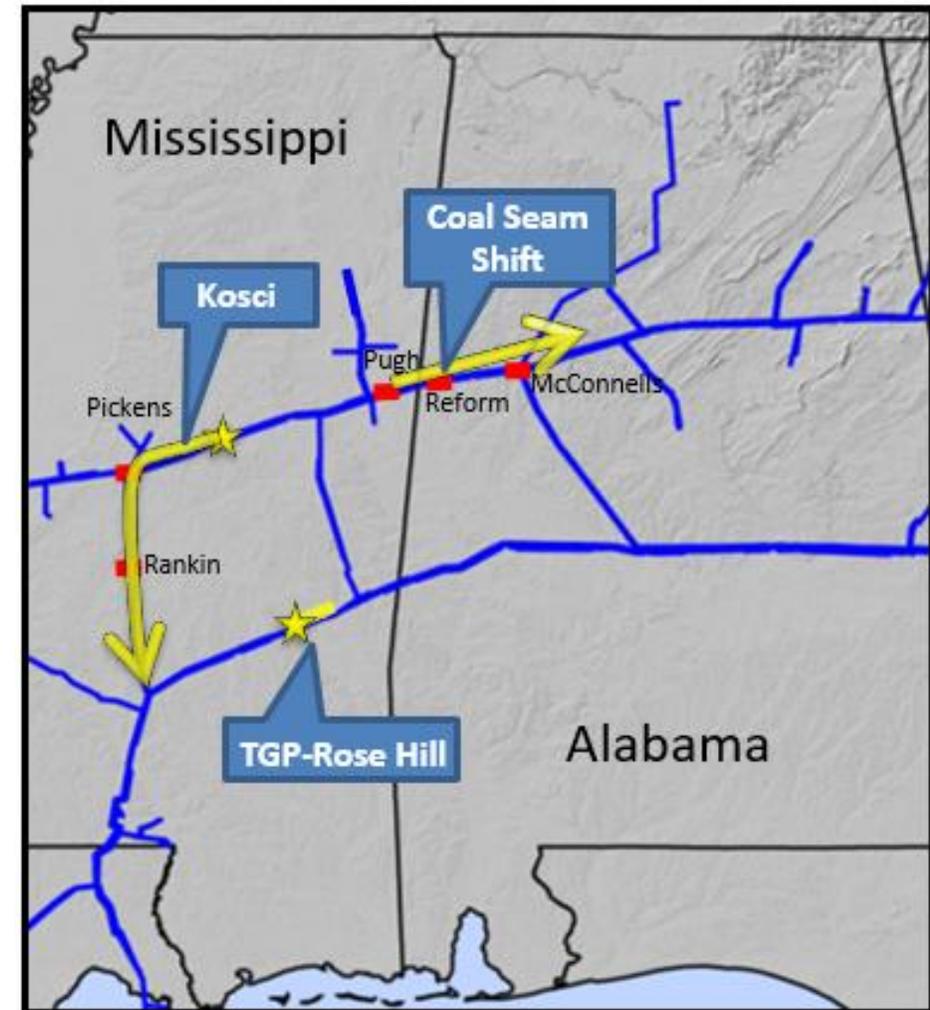
U.S. SHALE GROWTH (Bcf/d)		Marcellus/Utica GROWTH (Bcf/d)		Permian GROWTH (Bcf/d)	
2018	57.9	2018	23.5	2018	8.5
2028	84.0	2028	32.7	2028	22.6
CAGR	3.8%	CAGR	3.4%	CAGR	10.2%

SOURCE: ICF Base Case, April 2019

Supply Opportunities

Projects Under Evaluation

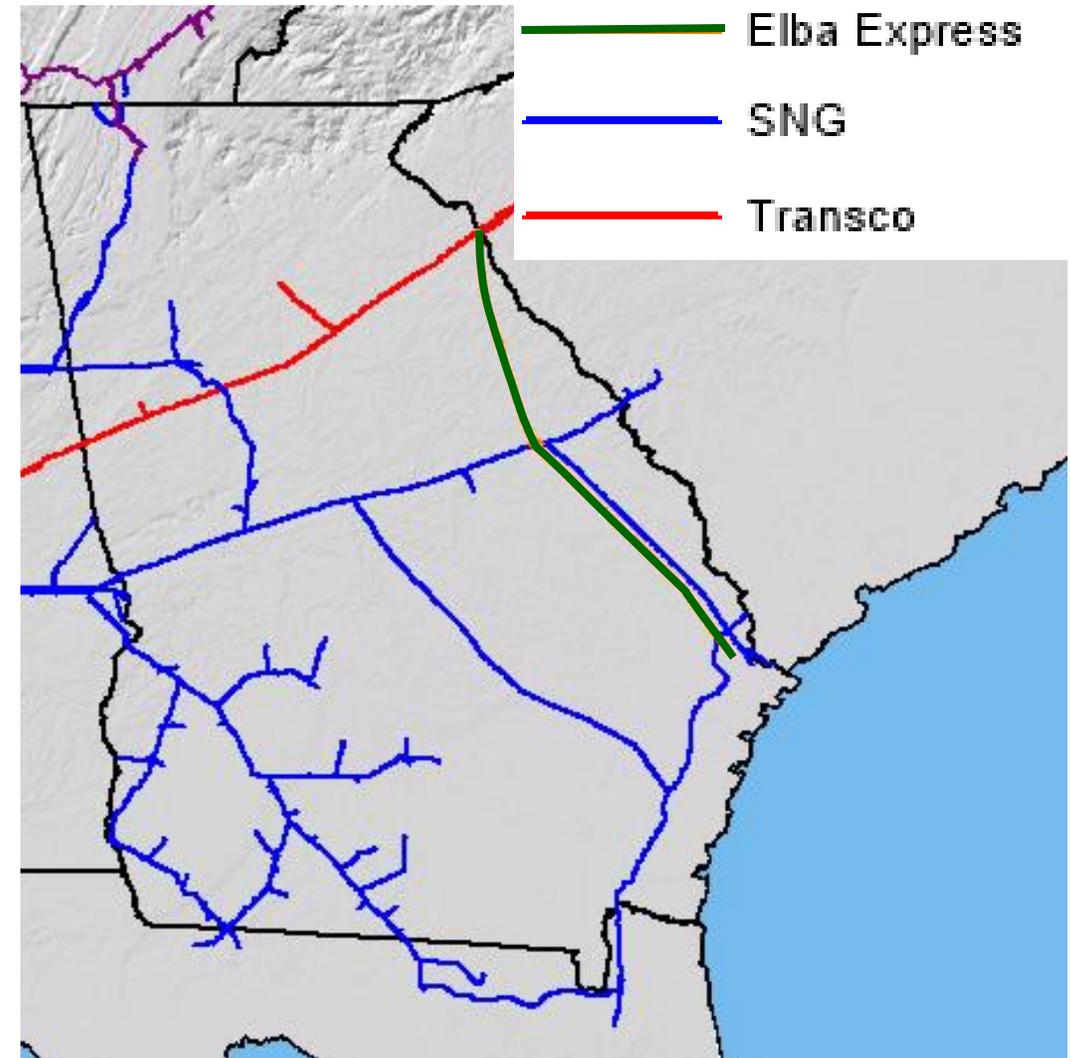
- TGP-Rose Hill
 - 250,000/d+ incremental supply access requires minimal capex
- TETCO and Texas Gas - Kosci
 - 125,000/d incremental supply access requires modest capex
- Shift Coal Seam receipts to TGP-Pugh interconnect
 - 70,000/d shift will require substantial capex





Elba Express

- EEC has over 1 Bcf/d of capacity from Transco to Port Wentworth
- EEC supports the Elba Island liquefaction project
 - SNG contracts for over 240,000 Dth/d to support seamless service
 - EEC also serves other direct customers
- EEC could be expanded to provide additional seamless service on SNG, particularly into eastern and coastal Georgia, Low Country of South Carolina, or east coast of Florida

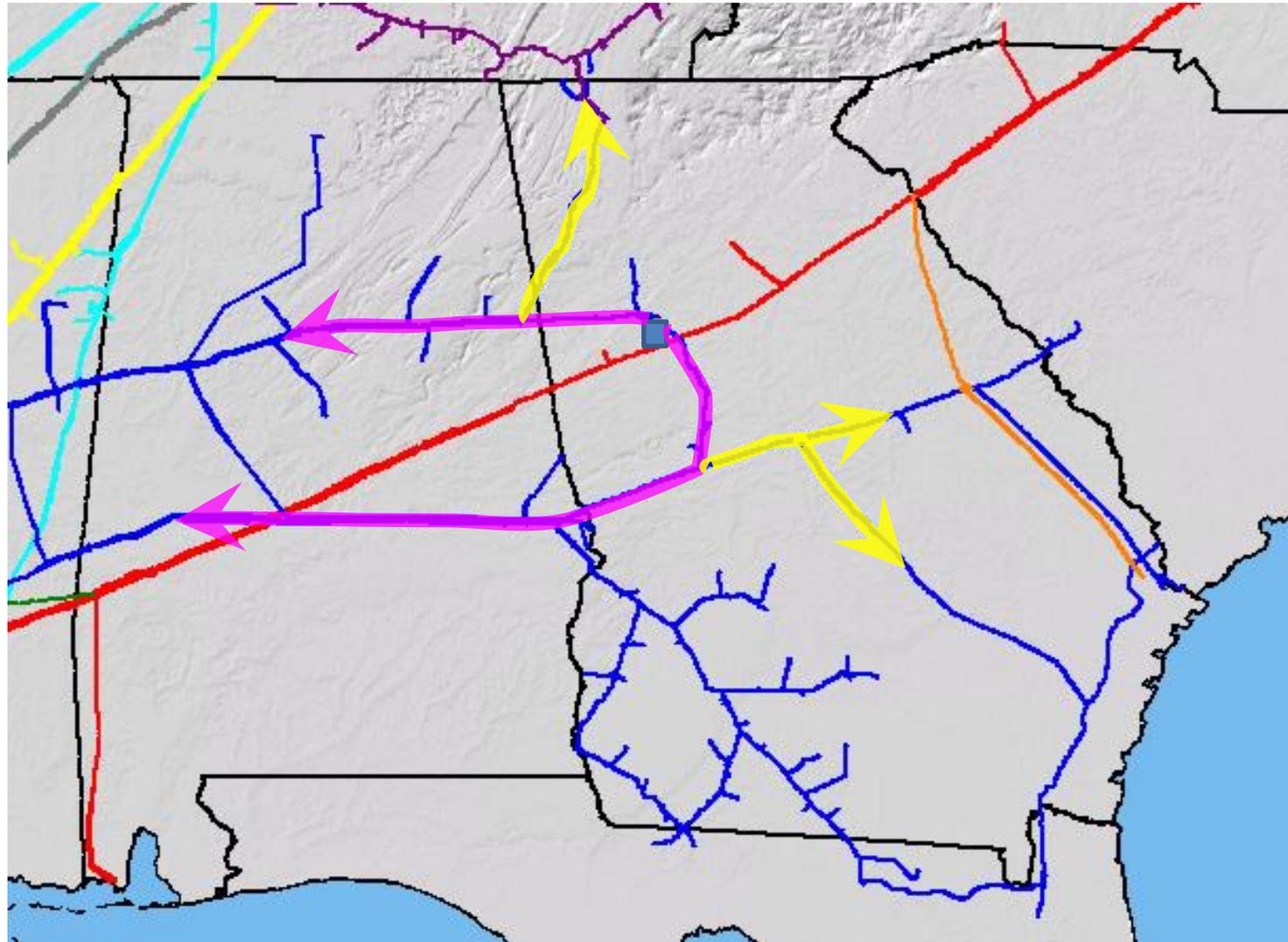


Fairburn Expansion

- The new Fairburn Compressor Station had challenges during start-up
- Caused in-service date to slip into December 2018
- Motor failure soon after in-service
- Problems corrected and station exceeding expectations
- Expansions from this station could provide additional capacity to certain areas of our system



Fairburn Expansion



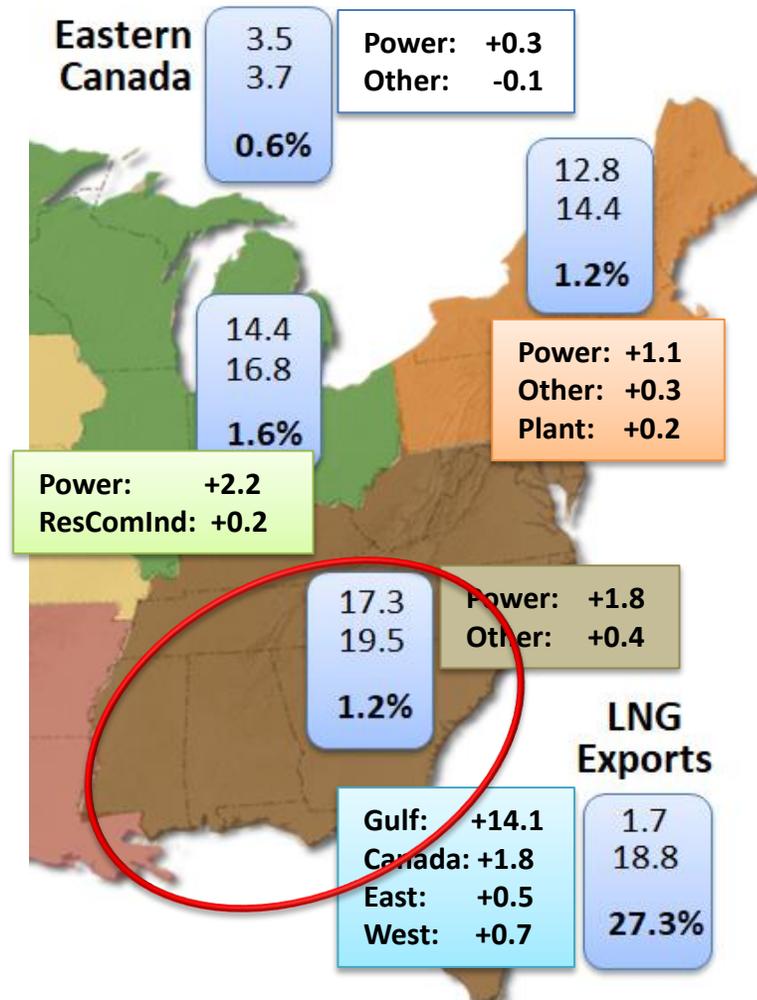
Next Steps

- SNG will opportunistically pursue supply enhancement projects
- We will continue to work with our customers to meet specific needs
 - Some customers may have a desire to participate in a project
 - These customers would have priority for new supply capacity created
- Please discuss your needs and ideas with us early
 - It can take up to three years from project conception to in-service

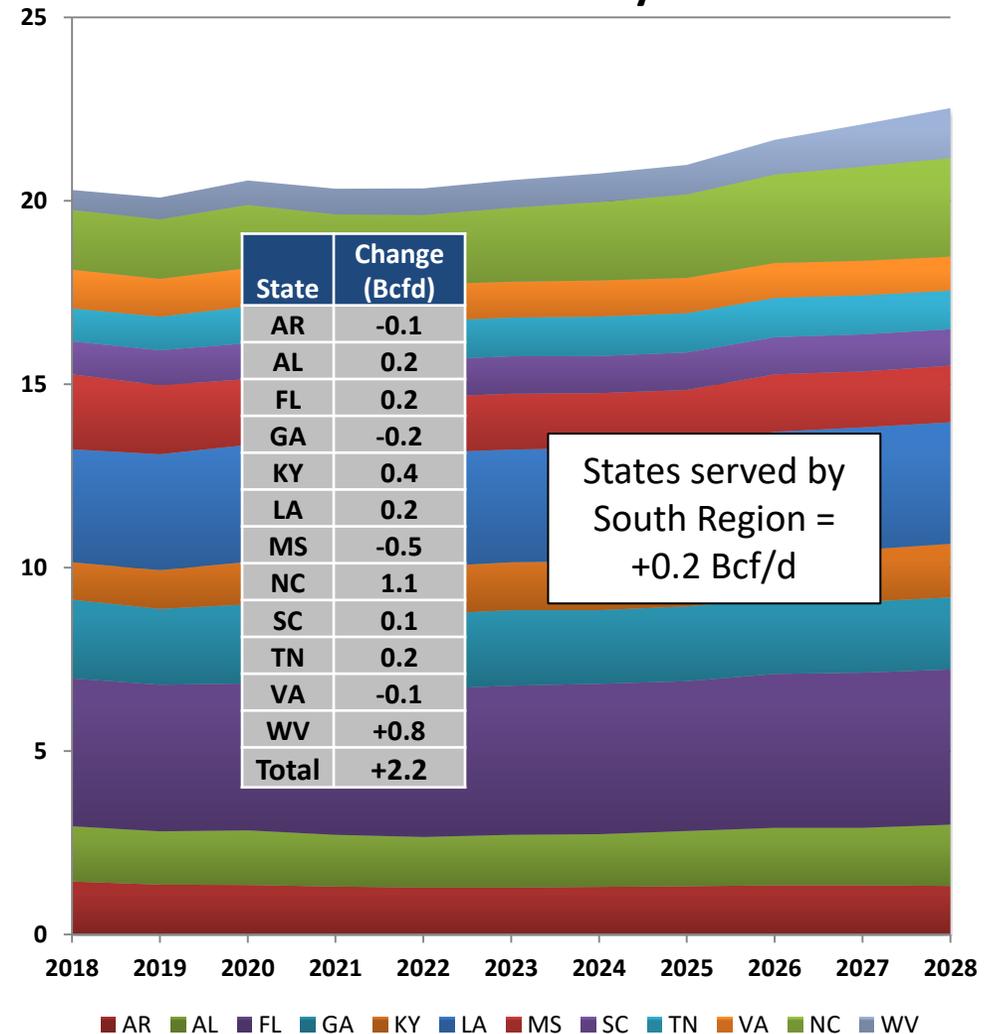
Demand Growth Projections

Southeast Gas Demand

Including Exports



Southeast Demand by State



Implications of Slow Growth

- Smaller projects tend to have higher rates (lack of scale)
 - Sometimes we can “bolt on” smaller projects to larger ones to take advantage of economies of scale
 - This may be more challenging since there aren’t a lot of large projects on the horizon
- If you have a need for additional firm capacity, please stay in touch with your account manager
 - Piecing together smaller projects may yield better rates
 - Account managers may also be aware of niche opportunities relative to your business
- Advance planning is crucial to successful projects

Summary

- Traditional supply sources on the SNG system have declined and do not seem to be coming back
- SNG continues to pursue supply enhancement projects supported by customers
- Parts of our system may find it difficult to replace depleting supply at firm receipt points due to system constraints
- Ultimately SNG may need to consider investing in supply projects and recovering the incremental costs through rates



SNG Field Operations

Chris Bradberry

Director of Operations, KMNG Division 8

September 20, 2019



**People First,
Safety Always**



Customer Service is Prominent in Division 8's Goals

Excerpt from Division 8's 2019 Goals

- Exceed 98% reliability for each System (SNG North, SNG South, TGP, MEP, EEC)
- Maintain availability and reliability of equipment and systems so that customers receive the service they are due and expect.
- Minimize OFOs attributable to unscheduled outages.

SNG System spans 3 KM Operating Divisions



Southern Natural Gas Company, L.L.C.
a Kinder Morgan operated company



Legend

- SNG
- Other KM Operated Pipelines
- Compressor
- Plant
- Gas Storage

- Operated by Division 6
- Operated by Division 9
- All Else Operated by Division 8

NOTICE
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Scale: 0 25 50 75 100 150
Scale: 0 Miles

KINDER MORGAN

SNG Pipeline Operated System



Field Personnel Who Operate and Maintain the SNG Pipeline System

Field Personnel who Operate and Maintain the SNG Pipeline System



Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company

- **Operations Specialists** – Operate and maintain compressor stations and pipelines
- **Equipment & Controls Technicians** – Maintain and repair mechanical and electrical equipment and controls systems associated with compressor stations and pipeline facilities

Operations Specialists



Operations Specialists



Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company



Equipment & Controls Technicians



Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company

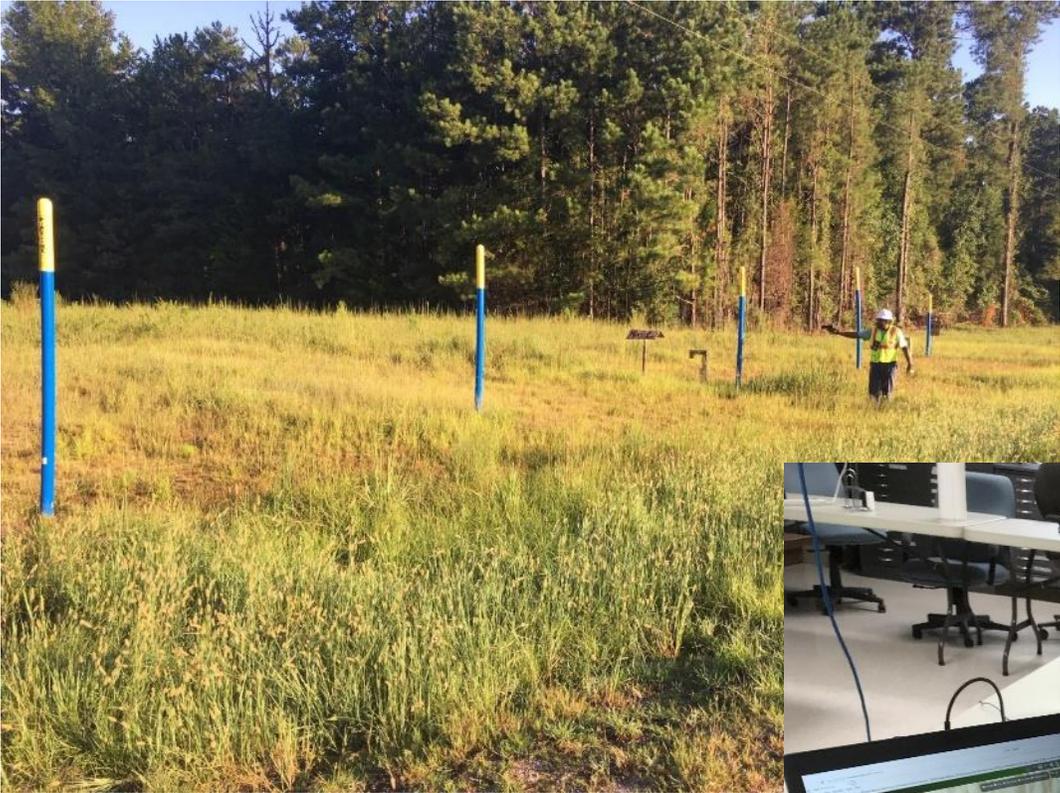




Field Personnel who Operate and Maintain the SNG Pipeline System

- **Line Patrollers** – Patrol, protect, and maintain pipeline facilities and right-of-ways
- **Corrosion Technicians** – Ensure that pipeline facilities are adequately protected from the effects of the environments in which they operate

Line Patrollers



Corrosion Technicians



Field Personnel who Operate and Maintain the SNG Pipeline System



Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company

- **Measurement Technicians** - Responsible for the operation, maintenance, and accuracy of gas measurement, analysis, regulation, and control facilities
- **Engineering Technicians** – Evaluate the health and performance of equipment and machinery used within the pipeline system and use this information to help maintain and improve system reliability and performance
- **Controls Specialists** – Utilize automation and controls technologies to support and improve system operations. Provide highest level of technical support to Operations.

Measurement Technicians



Engineering Technicians



Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company



Controls Specialists



Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company



Field Personnel who Operate and Maintain the SNG Pipeline System



Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company

- **Mechanical Specialists** - Perform heavy mechanical maintenance, repairs, and replacement of equipment used in the operation of compressor stations - particularly prime movers and auxiliaries
- **Pipeline Specialists** – Excavate, construct, repair, and perform heavy maintenance on pipelines and related piping systems and station piping systems

Mechanical Specialists



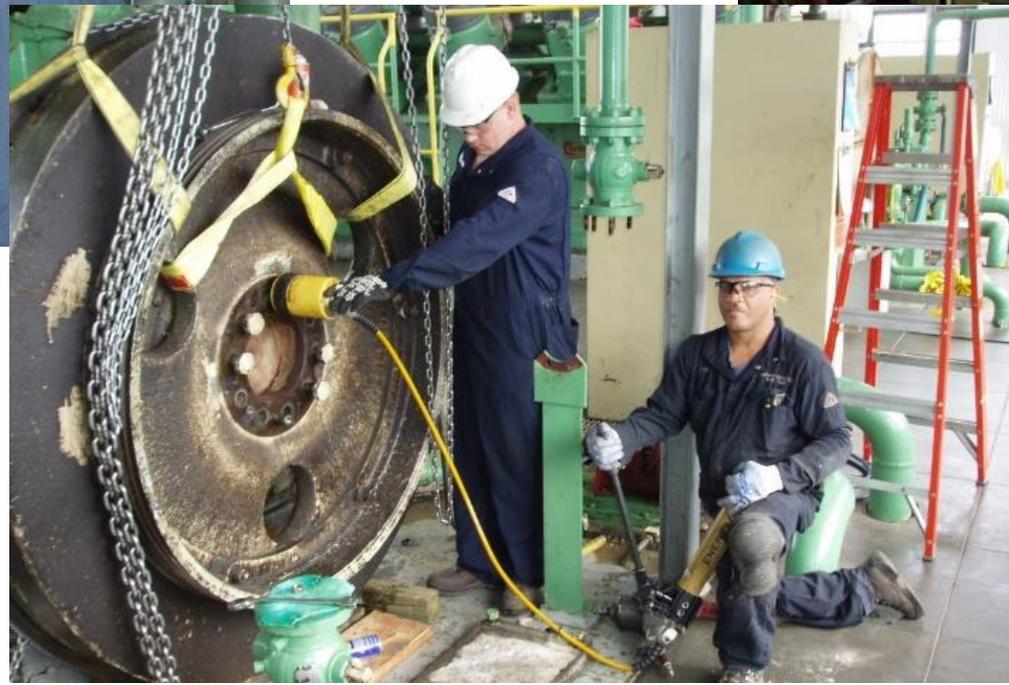
Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company



Mechanical Specialists



Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company



Pipeline Specialists





Questions?

Thank You for Your Business!

Business Development

Mike Varagona

Vice President

September 20, 2019

Outline

- 90 years of SNG
 - A look back
 - In the beginning
 - Pipeline development over time
- Personal note
- Macro view
- Recent project updates
- Projects under development
- Elba liquefaction update

90 Years of SNG Memories



- Pipeline conceived sometime in 1927
- Feasibility report published Feb 1928
 - Engineering design by Ford Bacon and Davis
 - 928 miles of pipe and three compressor stations primarily to serve Birmingham and Atlanta and multiple industrials
- Initial construction began in March 1928
 - Multiple contractors including Sheehan and Williams Brothers did the original pipeline construction work
 - Construction traversed an insane asylum property in Mississippi during which the construction crew continued to work through a massive rain and thunder and lightening storm to which one of the patients commented “and we’re the ones who are considered insane – at least we know to come in during life threatening weather”

90 Years of SNG Memories



Mules, Backbone and Coupled Pipe



Top, left: A machine of this description can backfill in the course of a day from 6,000 to 7,000 linear feet of trench—doing work that would require a large force of men. Right: Method employed in making a “cold head” in an 8-inch welded line.
Bottom, left: “Bottle heads” like this one are used to make the end joints in mains where welders need them.



Combination of coupled and acetylene welded pipe

**1931 SNG placed in
receivership**

- October 1929 the stock market crash ushers in the Great Depression
(Once I built a pipeline)
- Original cost for the entire 928 mile project was \$38.9 million with a capacity of ~100,000 Mcf/d (*current pipe 6,922 mi; rate base \$2.3 billion; ~4.6 Bcf/d*)
 - \$.04 million per mile versus today at well over 100 times that cost per mile
- First gas reached Birmingham on Dec 31, 1929 and Atlanta on June 3, 1930
- First industrial customers included some of today's existing customers
 - Georgia Kaolin; U.S. Steel; Bickerstaff; Jenkins Brick
- Original Board of Directors included Chris T. Chenery who later owned the horse Secretariat





BIRMINGHAM

OFFICIAL ORGAN of the BIRMINGHAM CHAMBER of COMMERCE

VOL. 5 DECEMBER, 1929 NO. 12



THIS ISSUE of "BIRMINGHAM" WAS MADE POSSIBLE THROUGH THE COURTESY OF ALABAMA NATURAL GAS CORP.

Southern Natural Gas Corporation Gives Birmingham Christmas Gift

IT is expected that natural gas from the Louisiana fields will have reached the Birmingham district by January 1, 1930. The gas was turned into the transmission line of the Southern Natural Gas Corporation Tuesday morning, November 12. The bringing of natural gas to the Birmingham district is being generally recognized as one of the most important industrial additions to Birmingham that has taken place in the last decade. It is the opinion of many industrial leaders of the Birmingham district that natural gas will give an added impetus to the advancement of this section of the South. This new fuel which is being made available to the Southeast in an abundant volume is expected to make it possible for Alabama to invite diversified

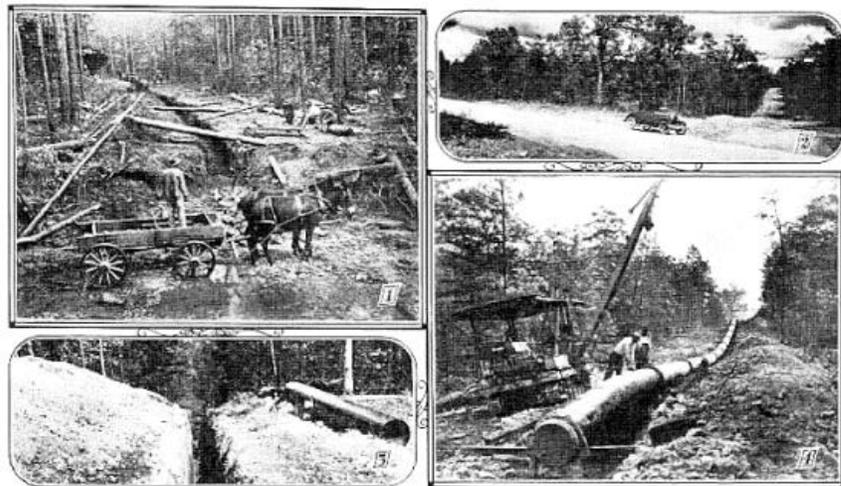
industries to locate here with every chance of success by reason of the availability of natural gas, which is indispensable to industries of a certain character. The main transmission line of the Southern Natural Gas Corporation is 491.1 miles long, which does not include lateral lines, reaching a large number of cities in the Southeast, which have a total length of 415 miles, giving the system a total mileage of something over 900 miles. The main line is of 20" and 22" steel pipe while the lateral lines are of varying sizes from 3" to 12". The construction has been directed by Ford, Bacon & Davis, Inc., and the contractors were the Oklahoma Contracting Company, Williams Brothers, Inc., Hope Engineering Company, Walker & Lawrence, Sheehan Pipe Line

SHALE BANK



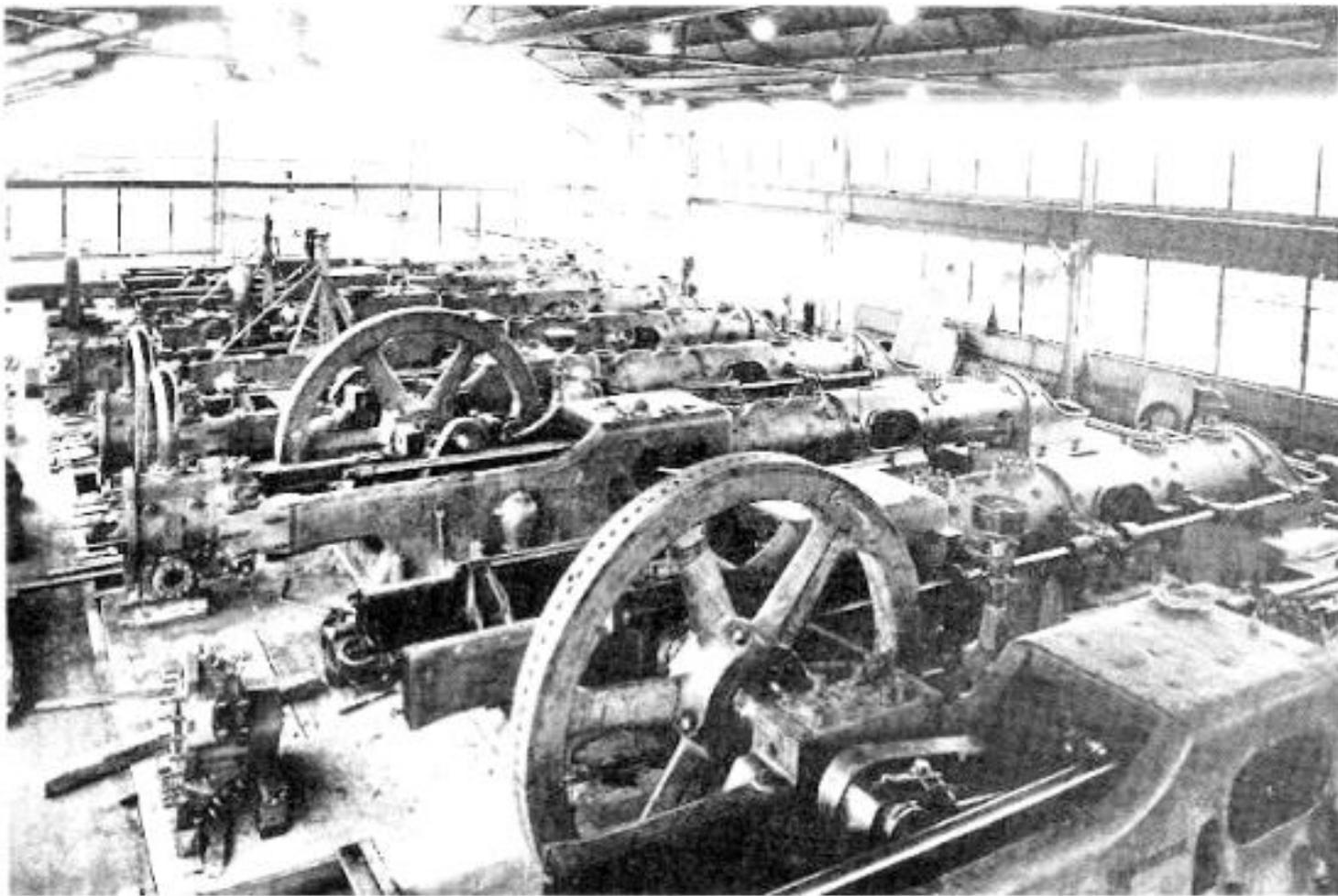
Natural gas line going through shale bank near Birmingham.

CONSTRUCTION SCENES ON NATURAL GAS TRANSMISSION LINE



(1) One of the few teams used on the project with view of line approaching creek bed. (2) Pipe line crossing on concrete paving, showing crossing undisturbed. (3) Ditch ready for pipe. (4) Section of pipe, with Dresser couplings ready to be lowered into excavation.

In 1934 SNG acquired Alabama Natural Gas Corp.



Reform Compressor Station, shown here under construction, was one of the three Southern Natural had in 1930. The other two were Pickens and DeArmanville. After a quarter century these Worthington horizontal engines are still doing a good

job of moving gas along the North Line. Note the man "without a head" working on the installation. He apparently moved during the time exposure.

Nerve Center of our System Dispatching Department

If you should be hurrying along the almost deserted downtown streets of Birmingham at three o'clock some morning your eyes might be drawn to a lighted row of windows high up in the Watts

Building. Take the elevator up to the 10th floor and you'll find at least three Southern Natural people on duty while the rest of us sleep. On duty would be at least two

You might call this the "work bench" of the Dispatching Department. That's Senior Dispatcher Oliver Brock leaning over Auxiliary Dispatcher Lamar Cockrell as they confer over a phone conversation. In the foreground, Shift Dispatcher Glenn Dorsett takes reports over the Company's radio network. That may look like a phone he's using but it's part of a two-way radio. A more usual scene, perhaps, would find the junior man taking reports.

Dispatchers and a telephone operator, keeping their hands on the surging pulse of the round-the-clock movement of gas through our lines. For here is the nerve center of Southern Natural. It's their job to get the gas where it's needed when it's needed.

Into this always-in-use office comes a constant flow of information from all over our five state system. Crackling through the air from our network of radio stations or speeding along the lines of our company owned telephone system come hour by hour or more frequent reports.

The weather in Atlanta, the pressure at Pickens, the amount of gas flowing into the system at Gwinville—a complete report from each point—goes down on the ruled lines of the big report sheets before the dispatchers.

Look Ahead

Does the weather man forecast a temperature drop for Birmingham tomorrow? Better get some gas started on its way from the fields.

Over the telephone lines and radios the orders go out. Perhaps the gas quota is raised at the fields. Or maybe more compressor units are ordered on the line.

Are falling temperatures going to put a heavy load on some points of our system, a load which will mean we won't have enough gas at those points for some or all industrial customers who have signed up on an interruptible basis?

It's the Dispatchers' responsibility to limit this interruptible gas as provided in our contracts with these industries. For the distributing companies must have gas to supply hospitals, homes and other "must" customers.

Here the Dispatchers must walk a tight rope in making their decisions about curtailments. For if they miscalculate and cut down a big industrial load when it's not really necessary, that industrial customer may have to shut down.

Of course the industry knows the gas may be curtailed in bitter cold



First compressor stations at Perryville, Reform, and DeArmanville; with a total installed 15,000 horsepower (system HP today 581,509)

Initial Service Areas

Alabama

Anniston
Gadsden
Tuscaloosa
Birmingham (area)
Bessemer (area)
Reform
Heflin
Leeds
Wetumpka
Tuckegee
Opelika
Auburn
Montgomery
Selma

Georgia

Atlanta
Rome
East Point
College Park
Newman
Macon
Milledgeville
Barnesville
Cedartown
Carrollton
Griffin
Forsyth
Thomaston

Mississippi

Vicksburg
Columbus
Starkville
Yazoo City
Pickens
Goodman
Kosciusco
Durant
West Point
Macon
Louisville

SNG Progression of Owners

- Southern Natural Gas established 1928
- Early 1980s
- Acquired by El Paso 1999
- Acquired by Kinder Morgan 2012
- JV with Southern Company 2016



Southern Company



Pipeline Historical Progression

1929 – 2019

90 Years of Development

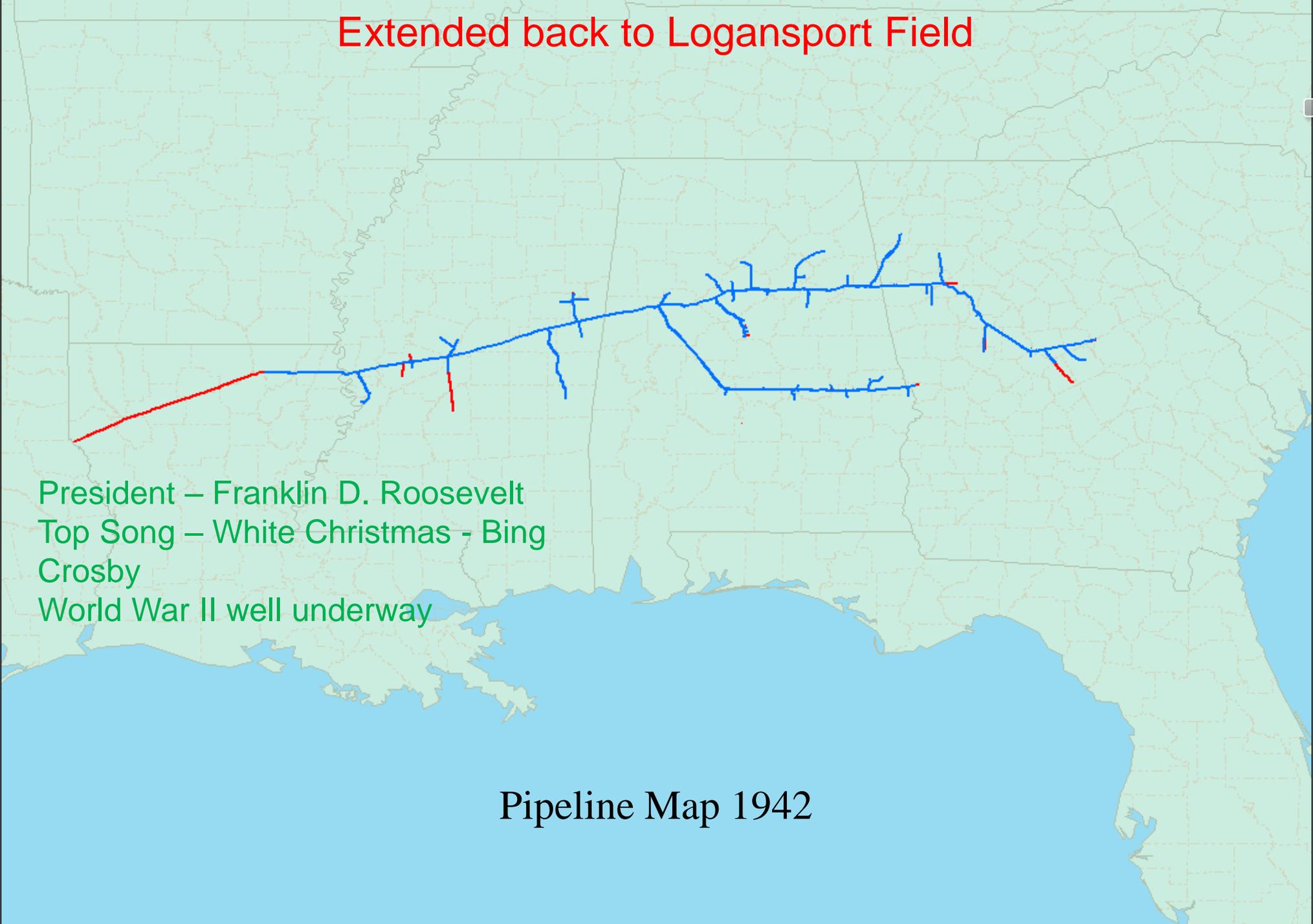
Original Pipeline
Built in 1929 to serve Birmingham, Atlanta and Columbus
from Perryville Field



President – Herbert Hoover
Top Song – Night and Day - Fred Astaire
Amelia Earhart solo crossing of the
Atlantic
Economy still deeply depressed

Pipeline Map 1932

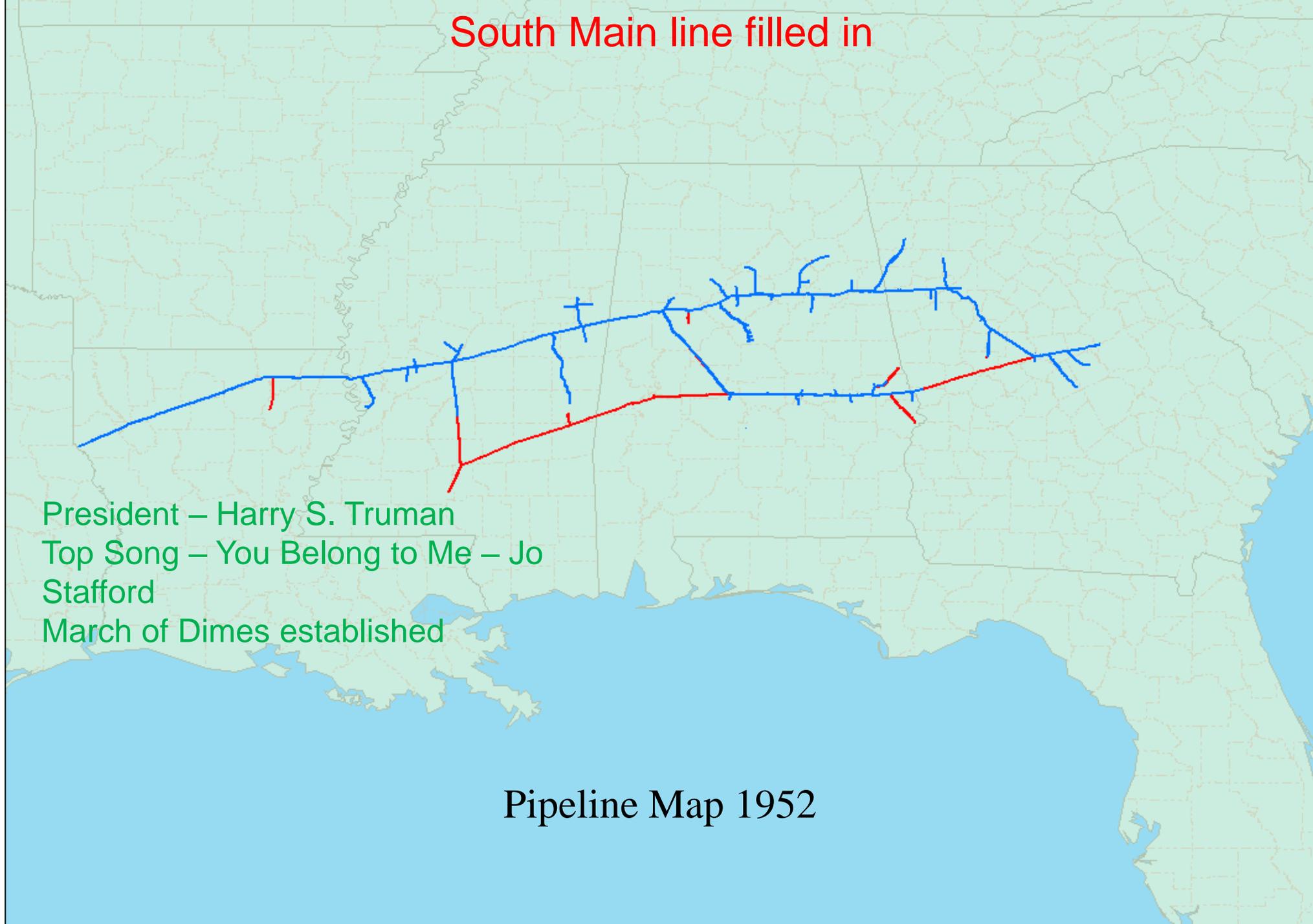
Extended back to Logansport Field



President – Franklin D. Roosevelt
Top Song – White Christmas - Bing Crosby
World War II well underway

Pipeline Map 1942

South Main line filled in

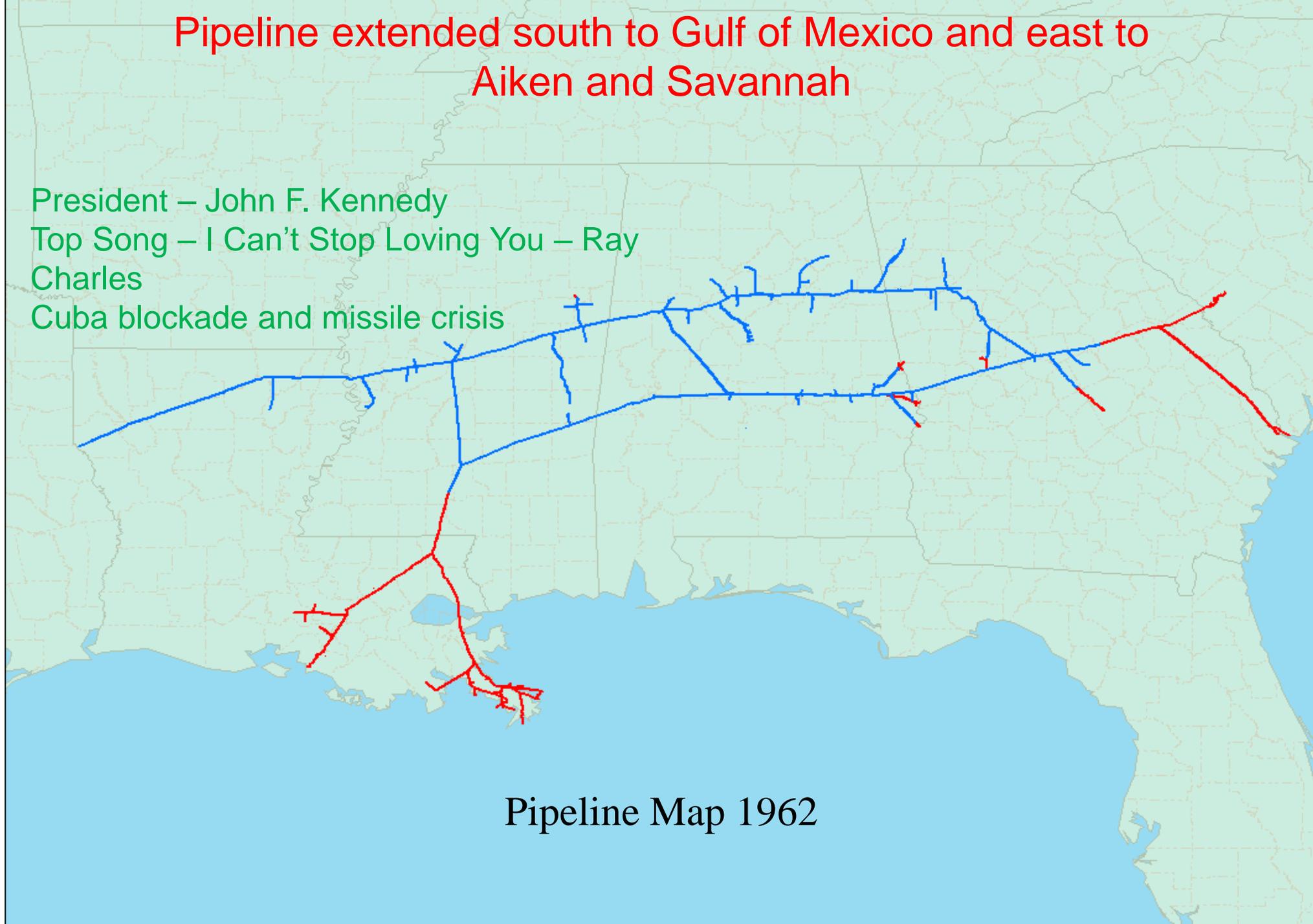


President – Harry S. Truman
Top Song – You Belong to Me – Jo
Stafford
March of Dimes established

Pipeline Map 1952

Pipeline extended south to Gulf of Mexico and east to Aiken and Savannah

President – John F. Kennedy
Top Song – I Can't Stop Loving You – Ray Charles
Cuba blockade and missile crisis



Pipeline Map 1962

Pipeline extended to Chattanooga and Brunswick and out further out into the Gulf of Mexico and to Lake St. John

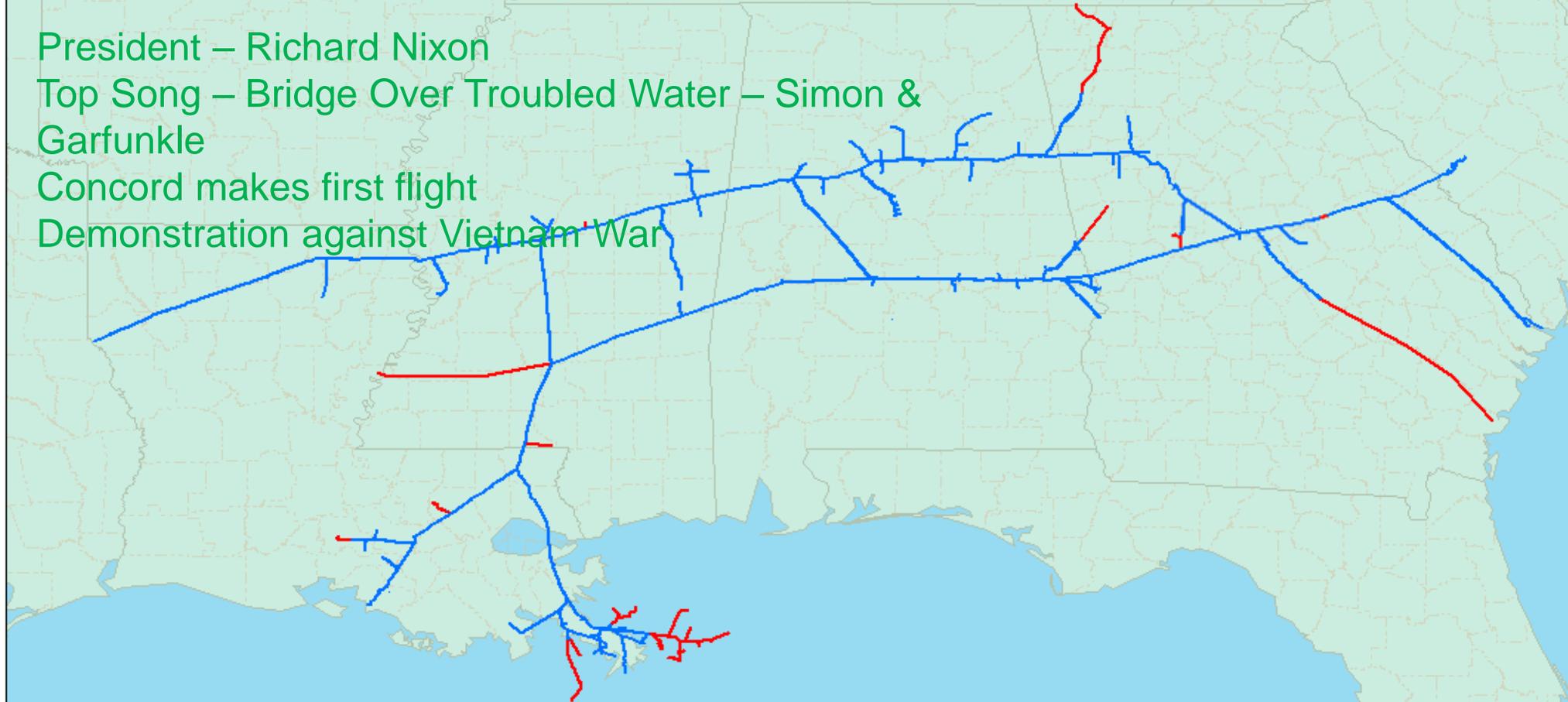


President – Richard Nixon

Top Song – Bridge Over Troubled Water – Simon & Garfunkle

Concord makes first flight

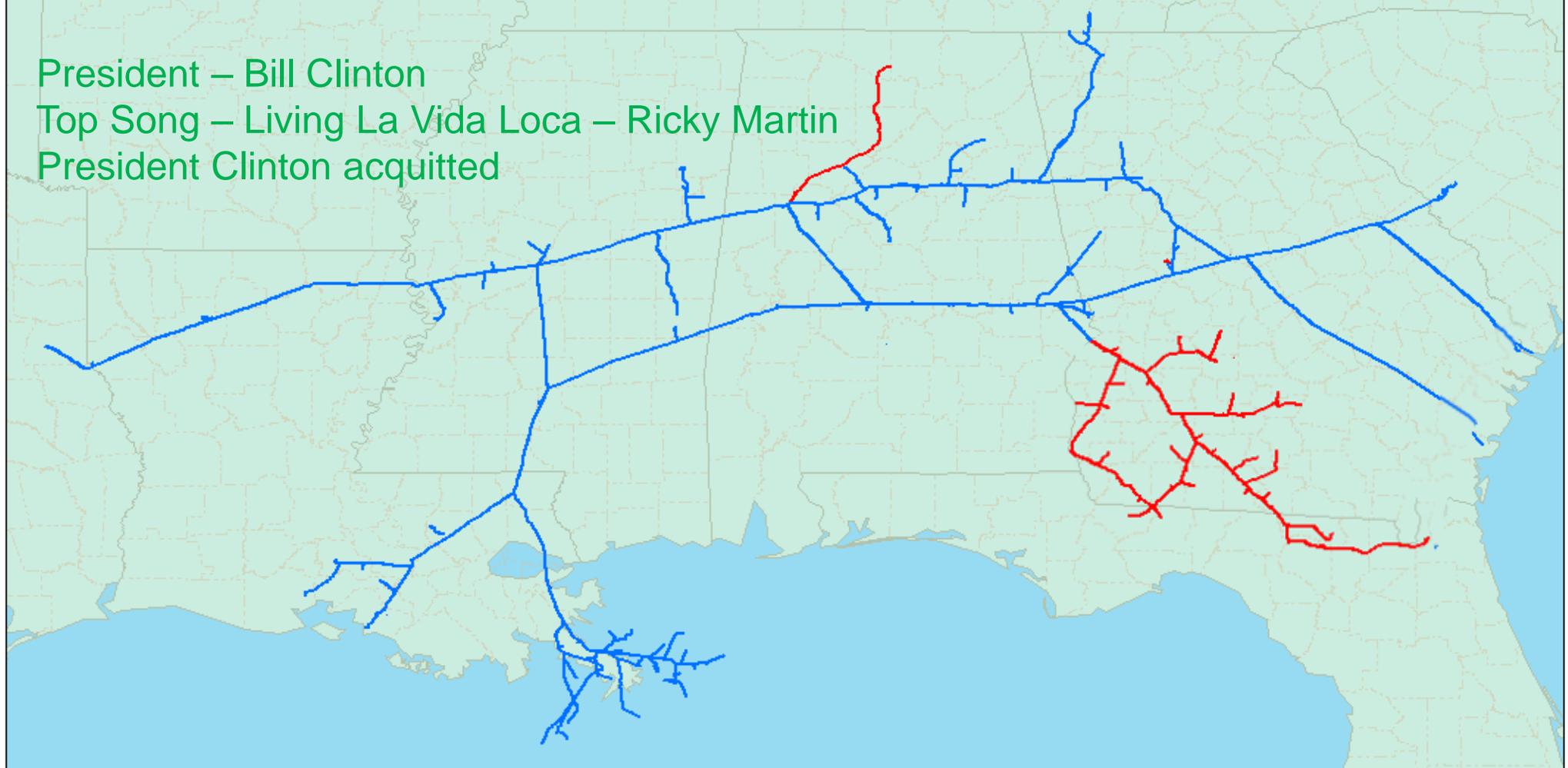
Demonstration against Vietnam War



Pipeline Map 1970

North Alabama Line Built and South Georgia Assimilated

President – Bill Clinton
Top Song – Living La Vida Loca – Ricky Martin
President Clinton acquitted

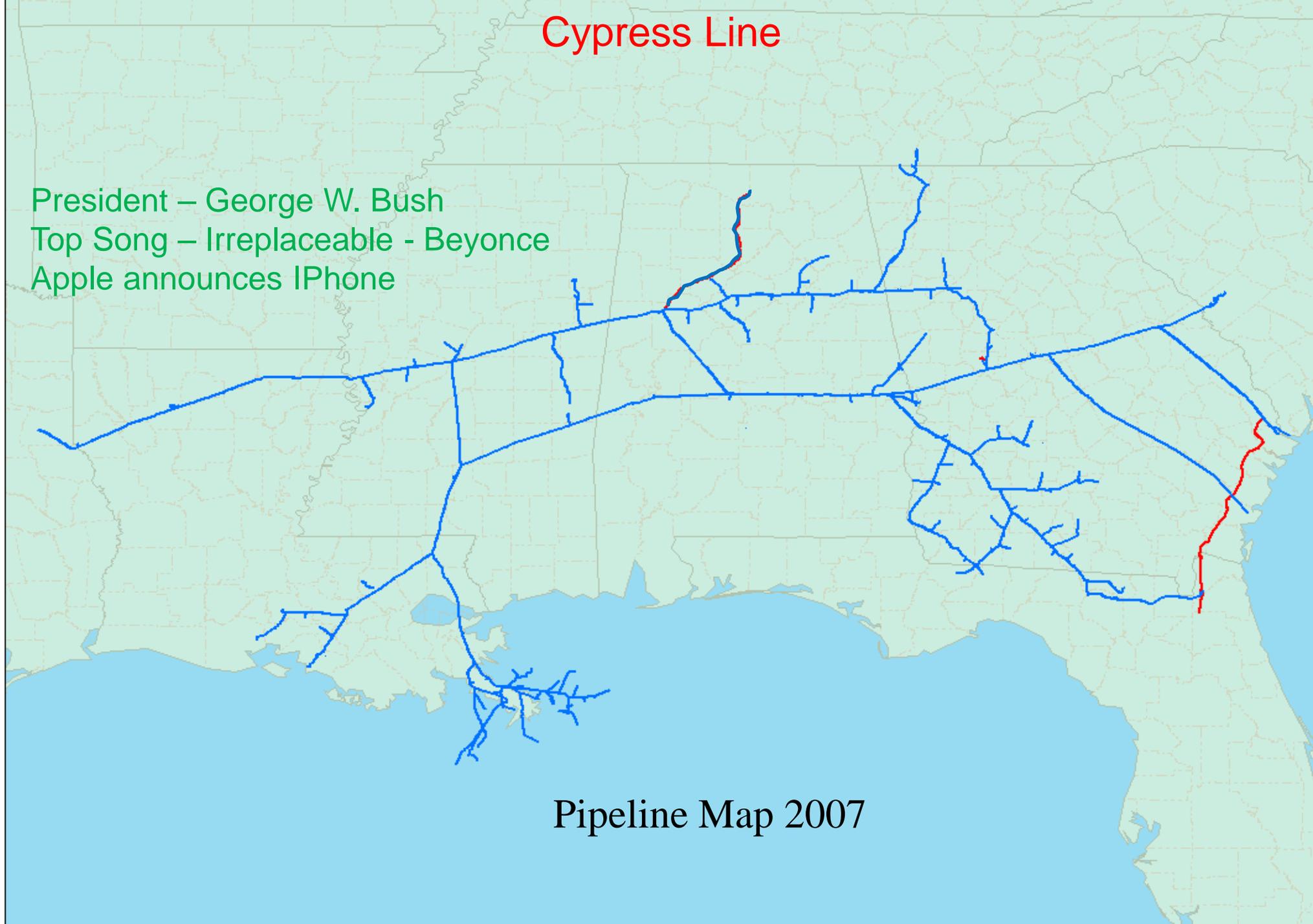


Pipeline Map 1999



Cypress Line

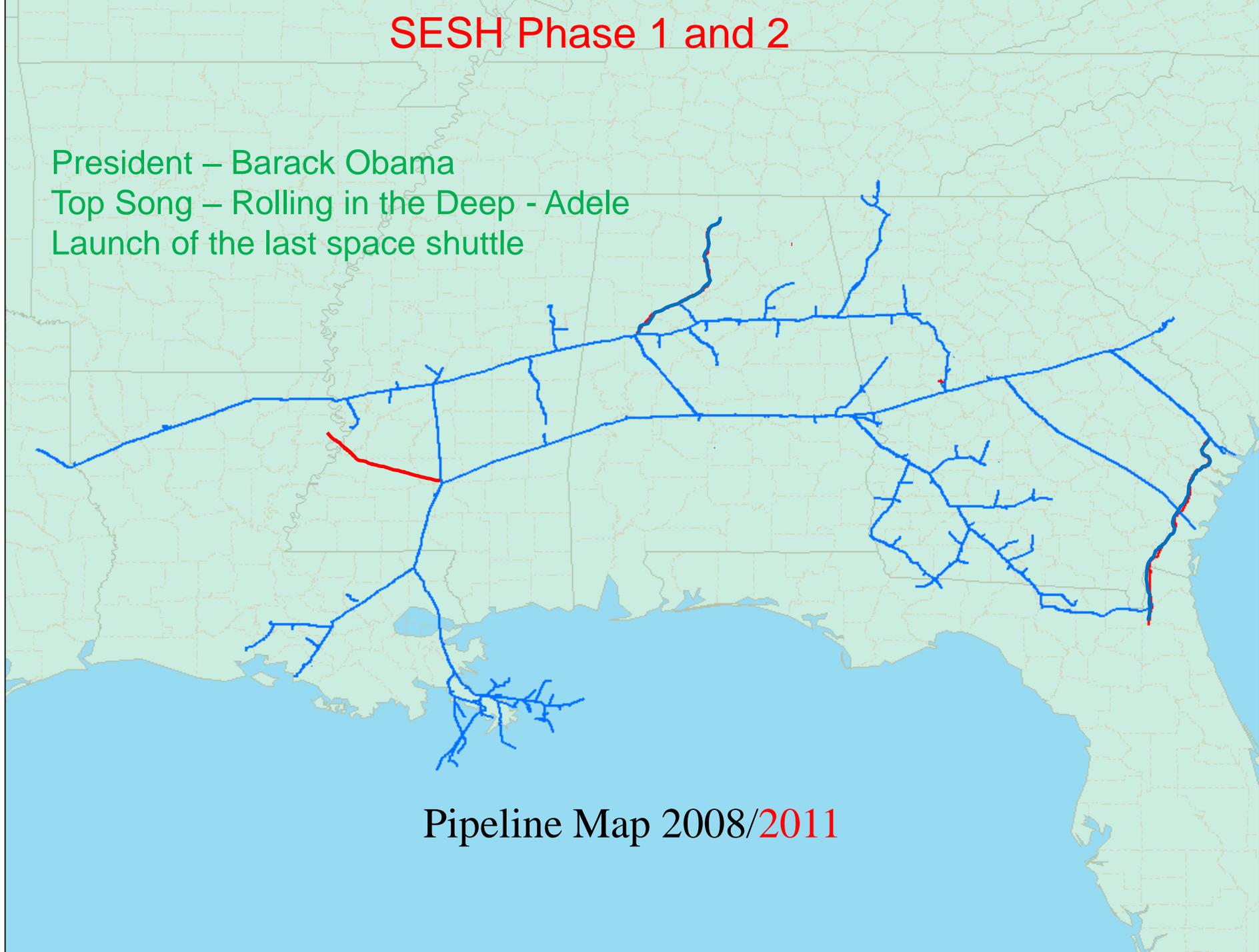
President – George W. Bush
Top Song – Irreplaceable - Beyonce
Apple announces iPhone



Pipeline Map 2007

SESH Phase 1 and 2

President – Barack Obama
Top Song – Rolling in the Deep - Adele
Launch of the last space shuttle

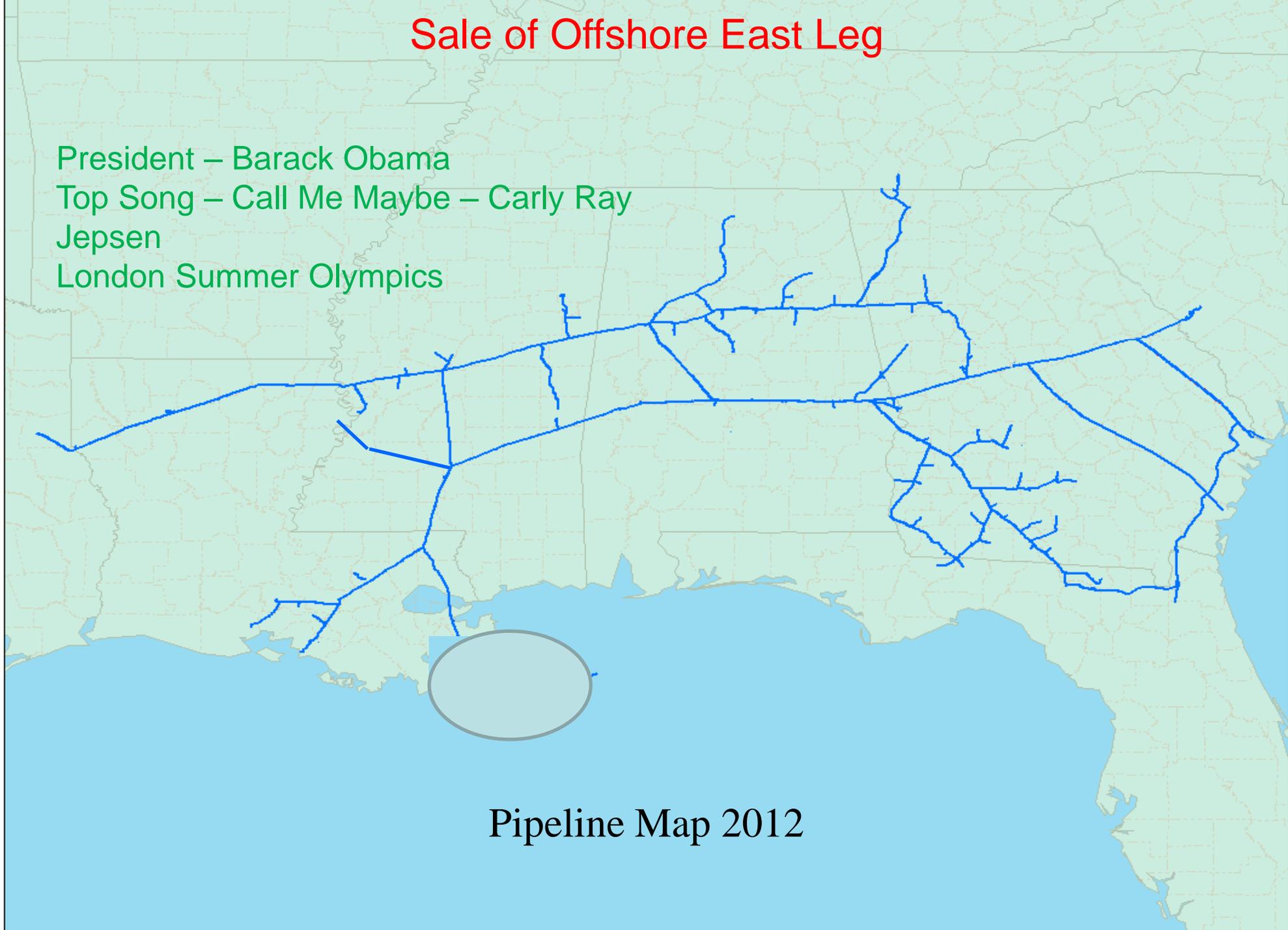


Pipeline Map 2008/2011

Sale of Offshore East Leg



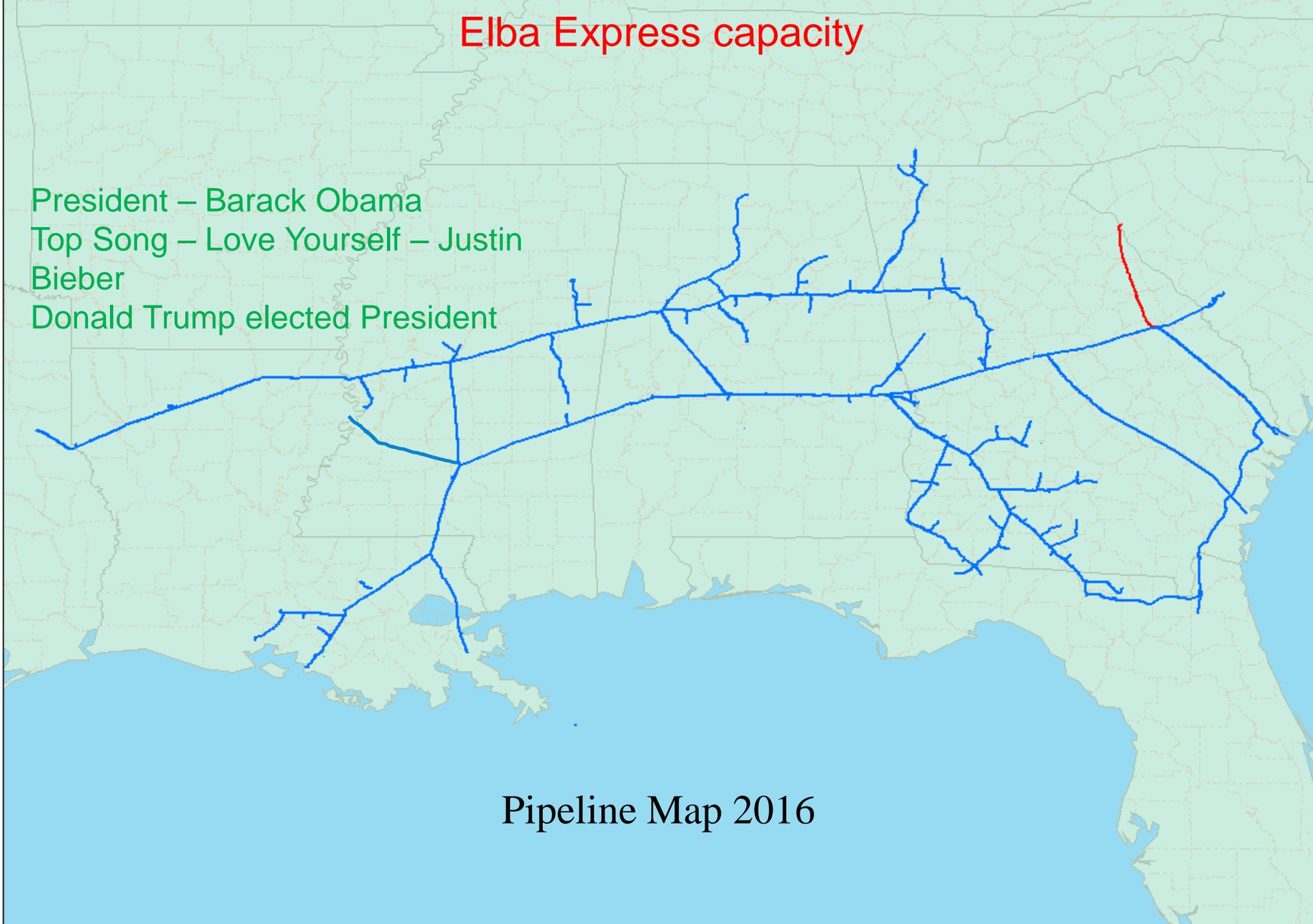
President – Barack Obama
Top Song – Call Me Maybe – Carly Ray
Jepsen
London Summer Olympics



Pipeline Map 2012

Elba Express capacity

President – Barack Obama
Top Song – Love Yourself – Justin
Bieber
Donald Trump elected President



Pipeline Map 2016

Personal note:

- I've been working here for almost 42 of those 90 years
- Started with SNG in 1978 at 22 years old
- One of my first bosses worked on the original pipeline construction
 - Table saw for his 50th anniversary award
 - Trip to Bogalusa La \$12.60 hotel
- 1985 SNG Trading / Sonat Marketing
- 2004 back to SNG
 - Jacksonville line
 - Cypress
 - Elba
 - Elba Express
- This is likely my last shipper meeting
- Want to take this opportunity to thank each of you for your business both now and throughout the entirety of my career



EXPENSE ACCOUNT
FORM 18-15 REV. 1-63

SOUTHERN NATURAL GAS C

DATE 7/24/78

TO Michael J. Varagona FOR EXPENSES INCURRED IN THE SERVICE

COMPANY FROM 7/16/78 TO 7/21/78

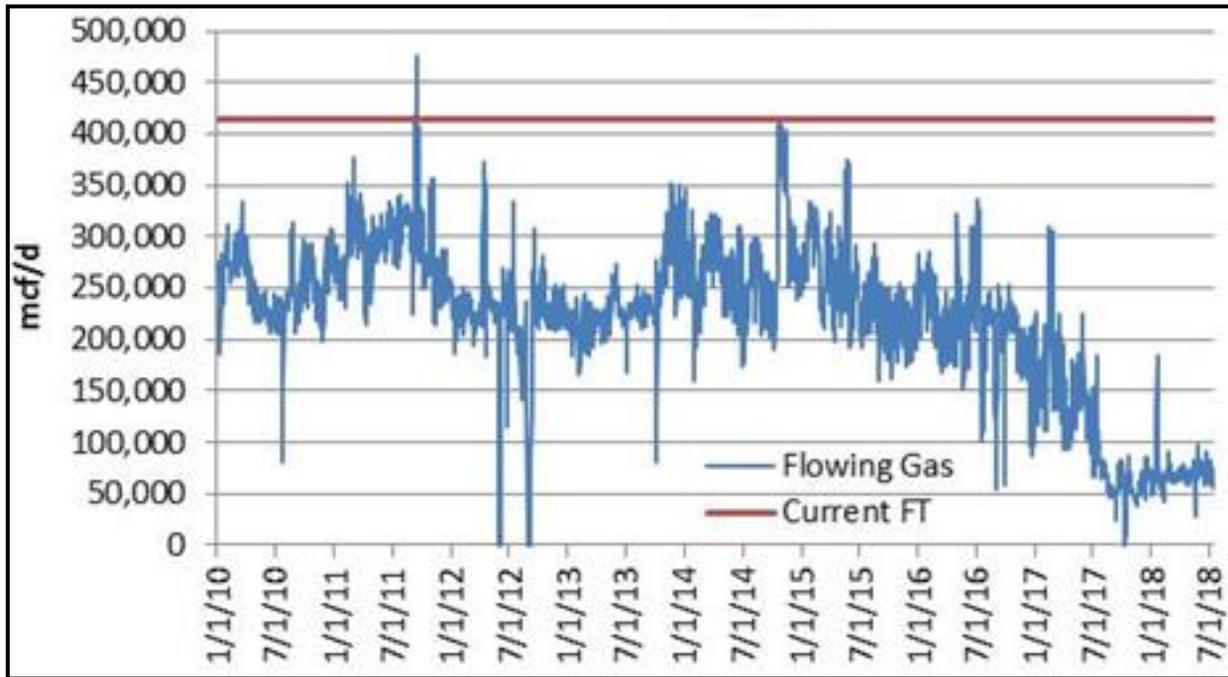
I. EXPENSES AWAY FROM HOME, YOURS ONI

DATE MO.-DA.	PLACE AND BUSINESS PURPOSE	TRANSPOR- TATION	YOUR MEALS			HOTEL	TEL. AND TEL.	TIPS, ETC.	RE- CEIPT NO.
			BREAK- FAST	LUNCH	DINNER				
7 16	Bogalusa, La. - Visit Franklinton			1 47	2 5	12 60			1
7 17	White Castle, La. - Stack tests		1 75			26 75			2
7 18	White Castle & Shadyside La. - Stack Tests		1 90	2 25	5 10	16 80	4 87	1 00	3
7 19	White Castle & Olga Stack Tests		2 25		3 75	22 26	3 70		4
7 20	New Orleans Olga Stack Tests		2 50						
7 21	Franklinton, La. Stack Tests		2 75						

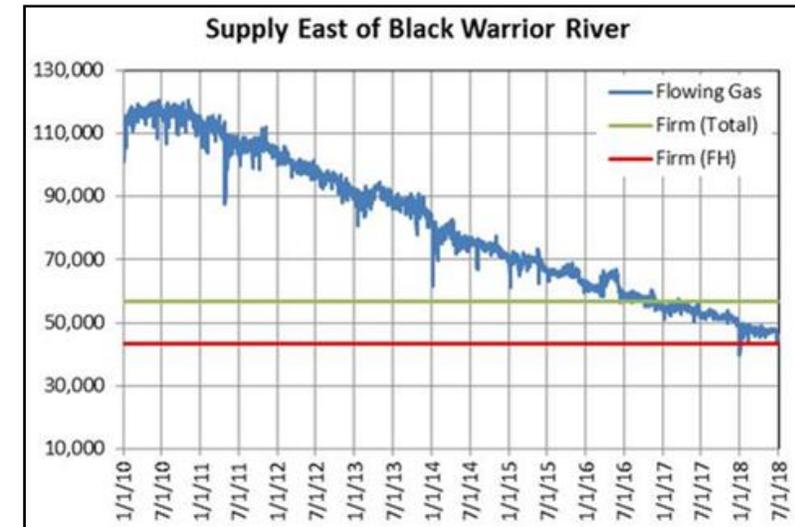
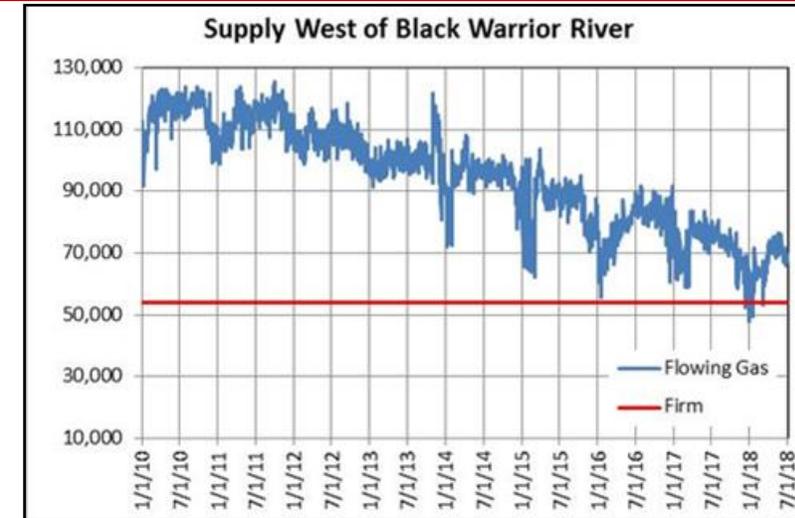


Macro Tendencies Driving SNG Developments

Macro - Declines in SNG Traditional Supply

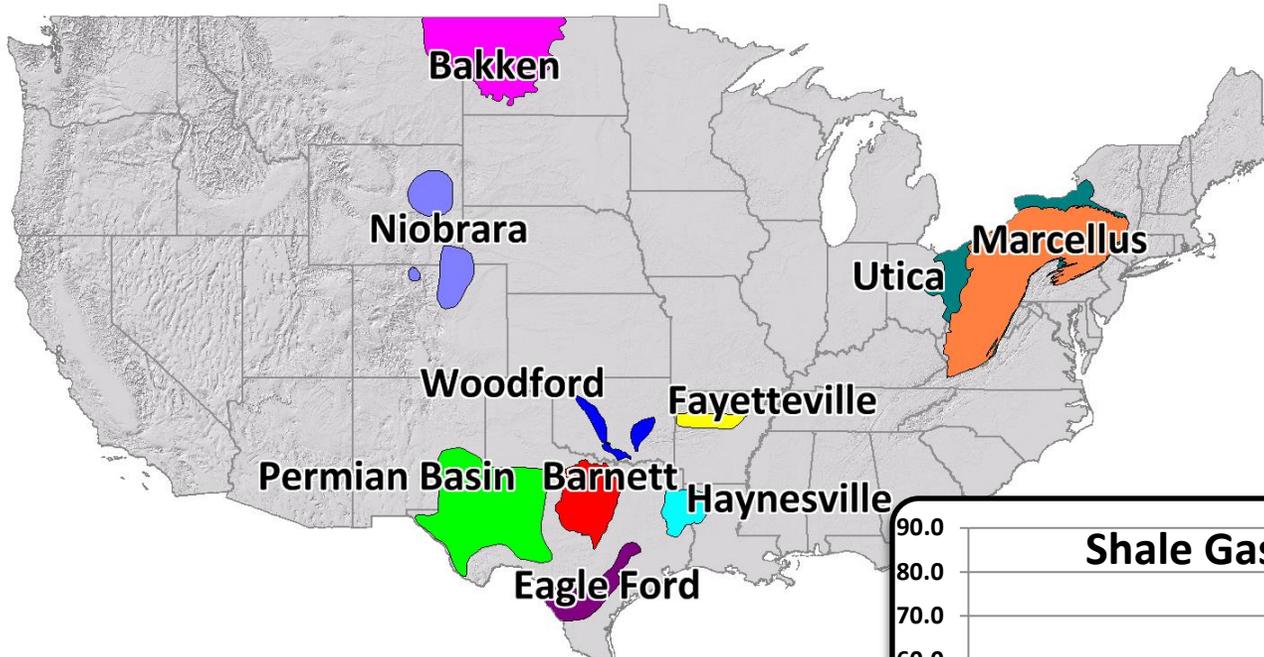


Gulf of Mexico

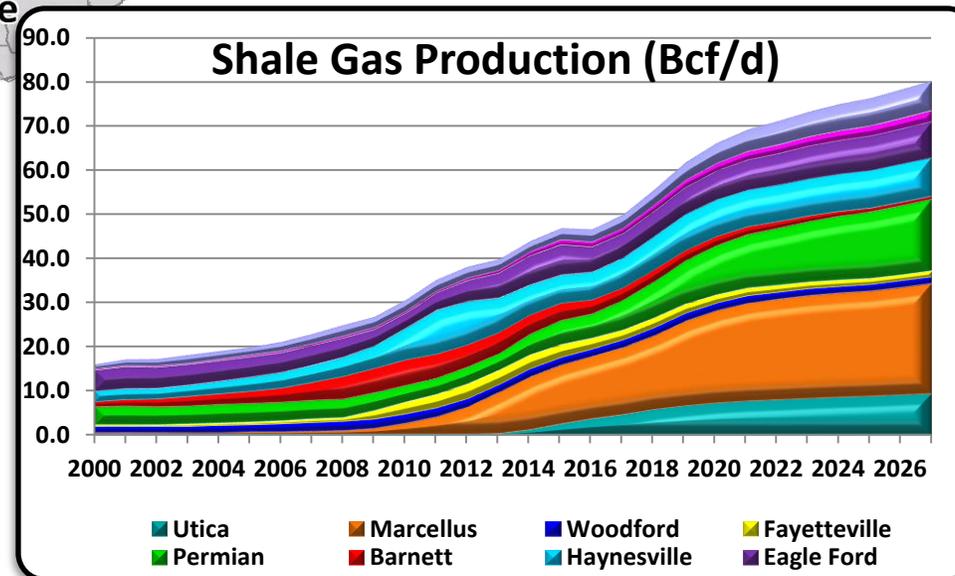


Coal Seam

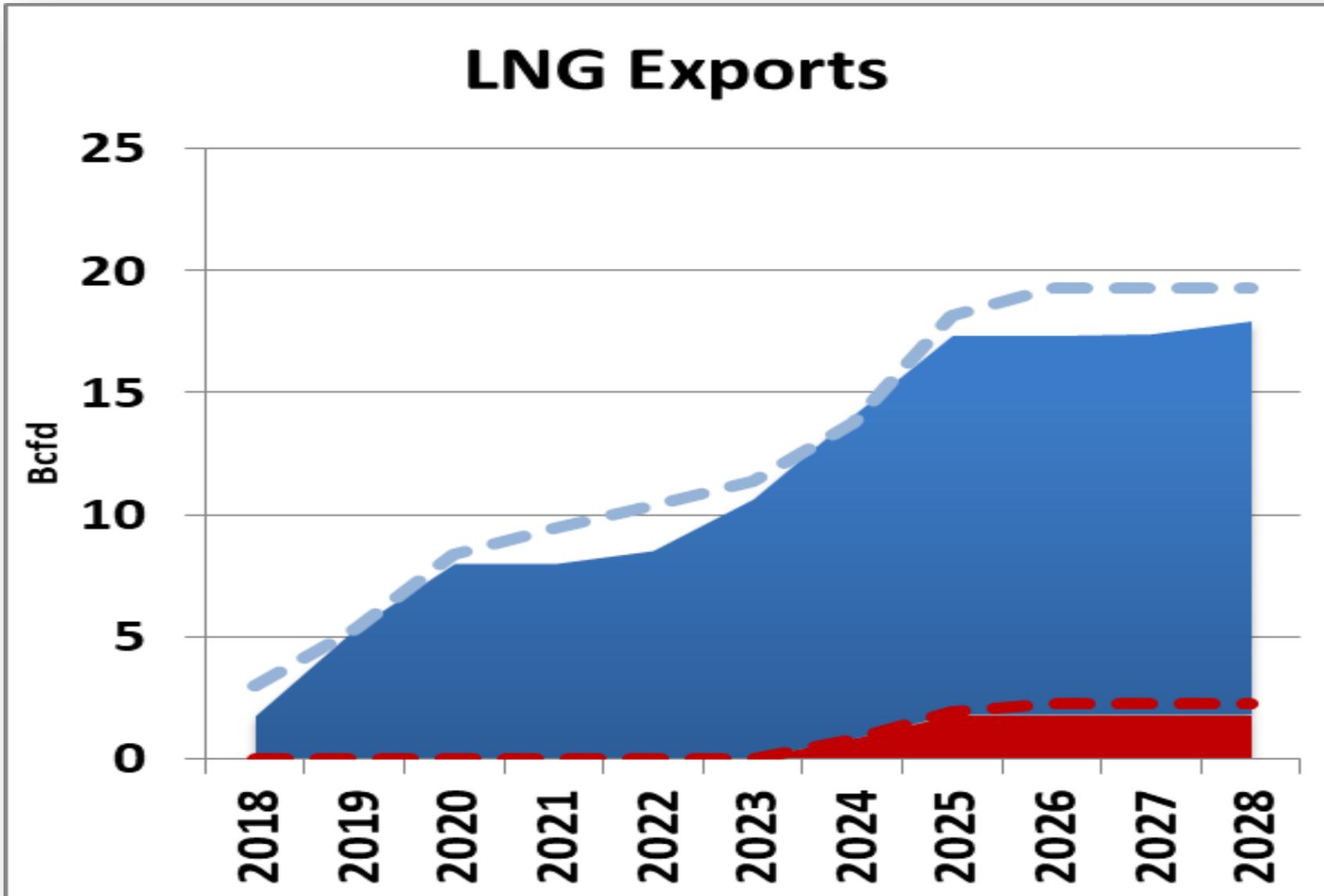
Macro - Shale Gas Growth



U.S. SHALE GROWTH (Bcf/d)		Marcellus/Utica GROWTH (Bcf/d)	
2017	50.2	2017	19.9
2027	80.3	2027	34.3
CAGR	4.8%	CAGR	5.6%



Macro – Growth in LNG Exports

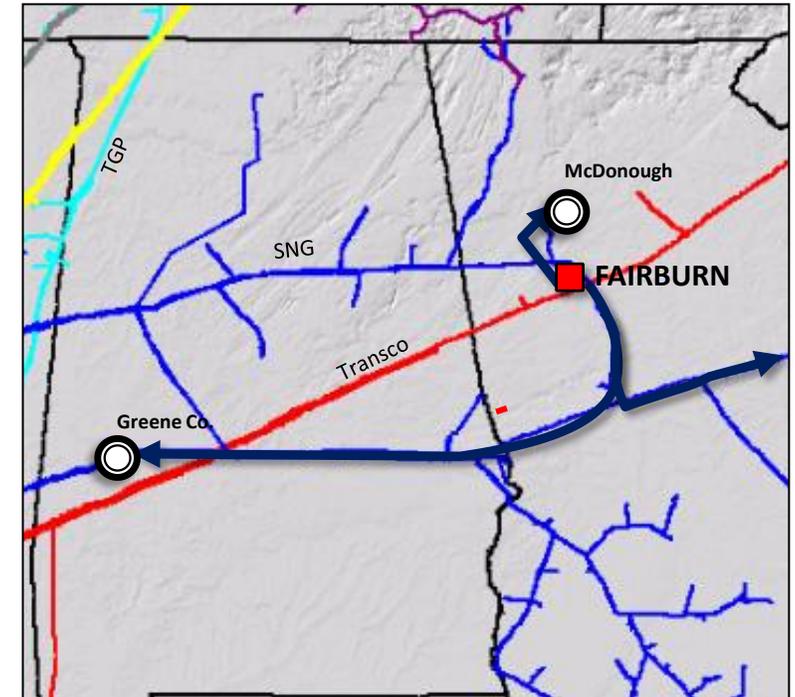


Macro Results – Changing Supply/Demand Demographics On SNG

- Reductions in indigenous on-system wellhead supply and the tremendous growth of shale gas has resulted in a natural realignment of SNG supply demographics
 - Away from wellhead gas and toward interconnection gas
- Many of SNG's recent expansion projects have been done in response to these changing supply demographics
 - SESH Acquisition
 - Elba Express Seamless Transportation
 - New and/or Enhanced Pipeline Interconnections
 - MEP and Gulf South
 - TGP Rose Hill
 - Kosci
 - Fairburn
- Power industry coal conversions

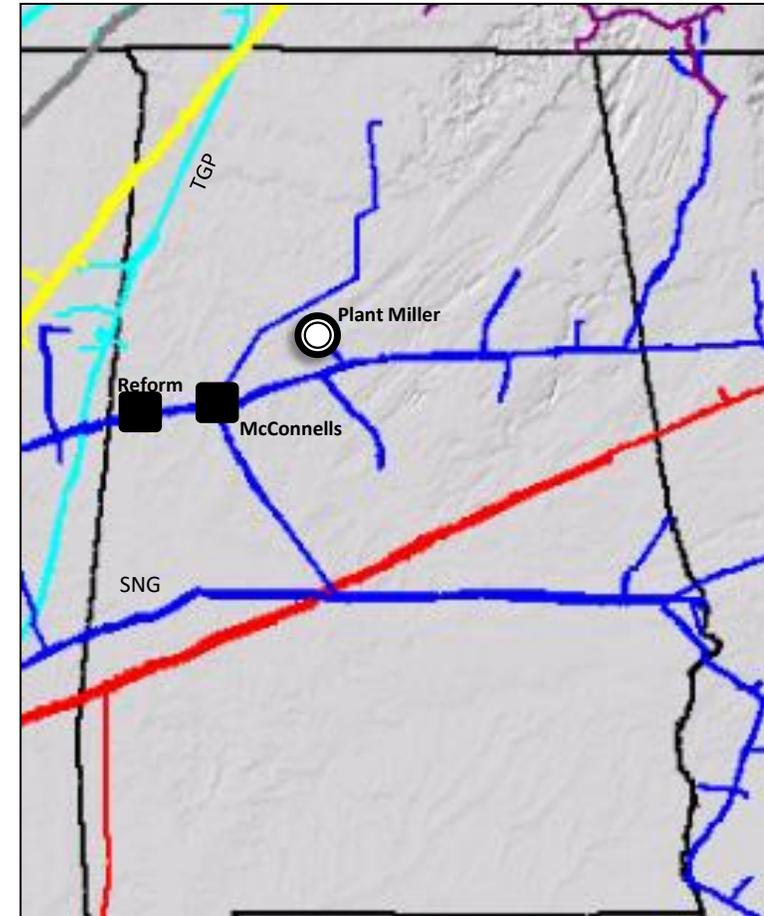
Fairburn Interconnection Project – Off System Supply

- In-service date **12/17/18**
- Total capacity ~360,000 Dth/d
- 18,000 HP electric drive compressor station w/odorizer
- 4.9 miles 30” pipe
 - New Transco M/S
- 1.6 miles 30” loop near Ocmulgee Compressor
- Acquired 20 mile McDonough Lateral from Georgia Power
- Customers include Southern Company, MGAG, Interconn Resources, Kimberly-Clark, UPS, Austell, SEAGD, and Westrock
- New receipt point offers additional access to eastern Marcellus supplies
- Project still has ~10 - 15,000 Dth/d of available capacity



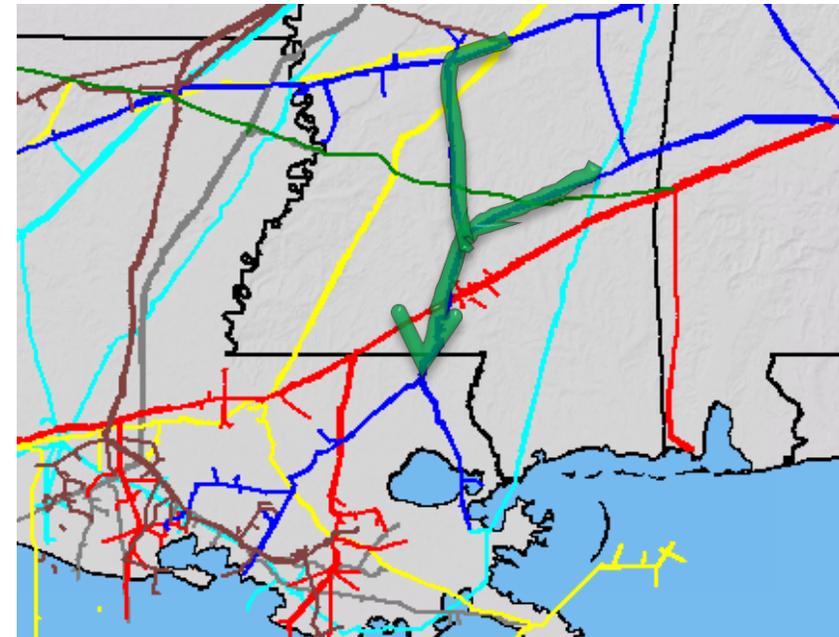
Expansion for Plant Miller – Coal Support/Displacement

- Total capacity 5,000 Dth/d for Southern Company
- 0.25 miles 20" pipe at McConnells Suction
- Compressor mods at Reform Compressor
- In-service date 2/1/19



Supply Area LNG Demand Opportunities

- Expected significant growth in LNG export demand along the Gulf Coast may find SNG an attractive conduit to move supply from interconnecting pipelines to LNG liquefaction terminals
- Opportunities for expansions from TGP and MEP and Texas Gas and Texas Eastern all could become viable if the LNG export demand materializes as expected
- We are watching developments closely



BD Is Not Always Successful

SNG Potential System Supply Enhancements

Scope

- Replace depleting coal seam supplies on North System and improve system supply access
 - TGP-Rose Hill: Activate KGen Line
 - Coal Seam Shift: Loop near Reform, minor compressor modifications
 - Kosci: Relocate Toca turbine to Pickens, modify Rankin

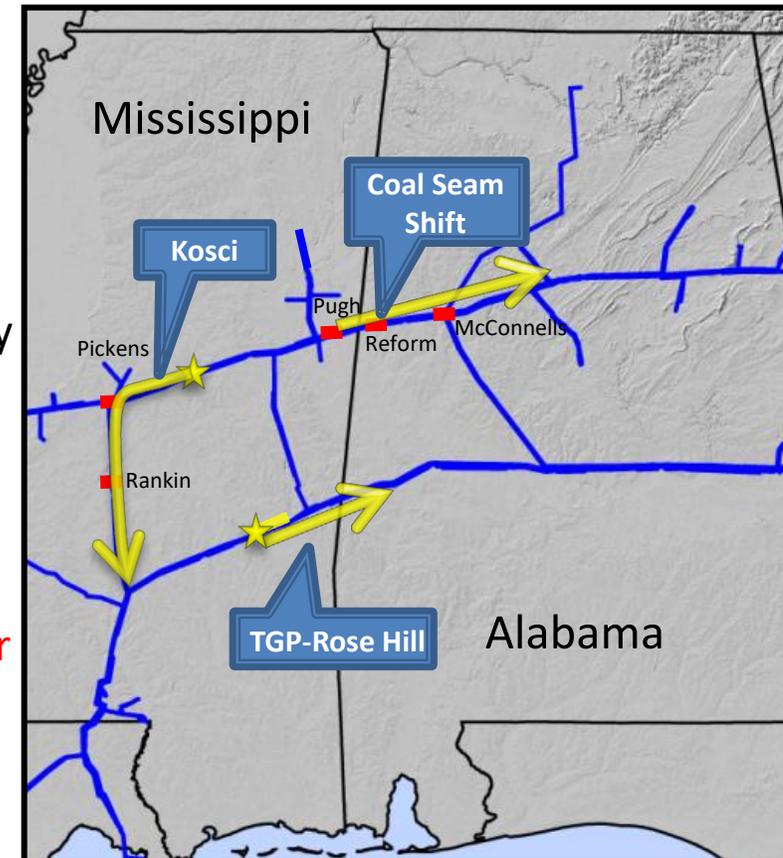
Commercial

- Purpose - to enhance supply access for the system by replacing declining on system supply
- Funding mechanism most difficult concern

Status

- Three meetings held with a customer group during 2018 and 2019
- Unable to reach a consensus on how to pay for the work
- Suspended the process on 6/6/2019; will revisit as needs develop

Project	Estimate (8/8)	Capacity (Dth/d)	In-Service
TGP-Rose Hill	\$ 16.1	270,000	11/2019
Coal Seam Shift	\$ 90.9	70,000	11/2022
Kosciusko	\$ 59.5	125,000	11/2022
TOTAL	\$ 166.5	465,000	



Inter-Related Projects

Elba Liquefaction Project

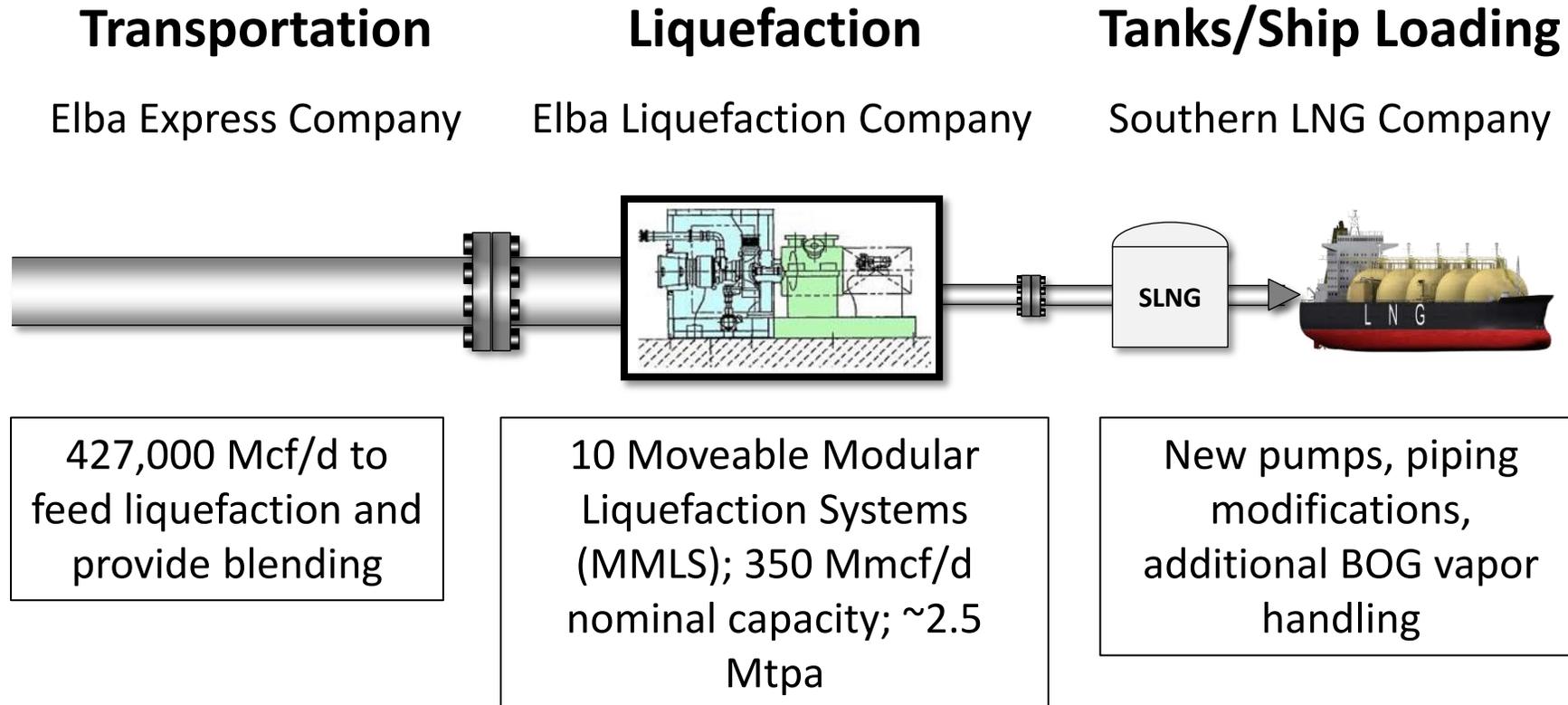


Elba Liquefaction Project Update

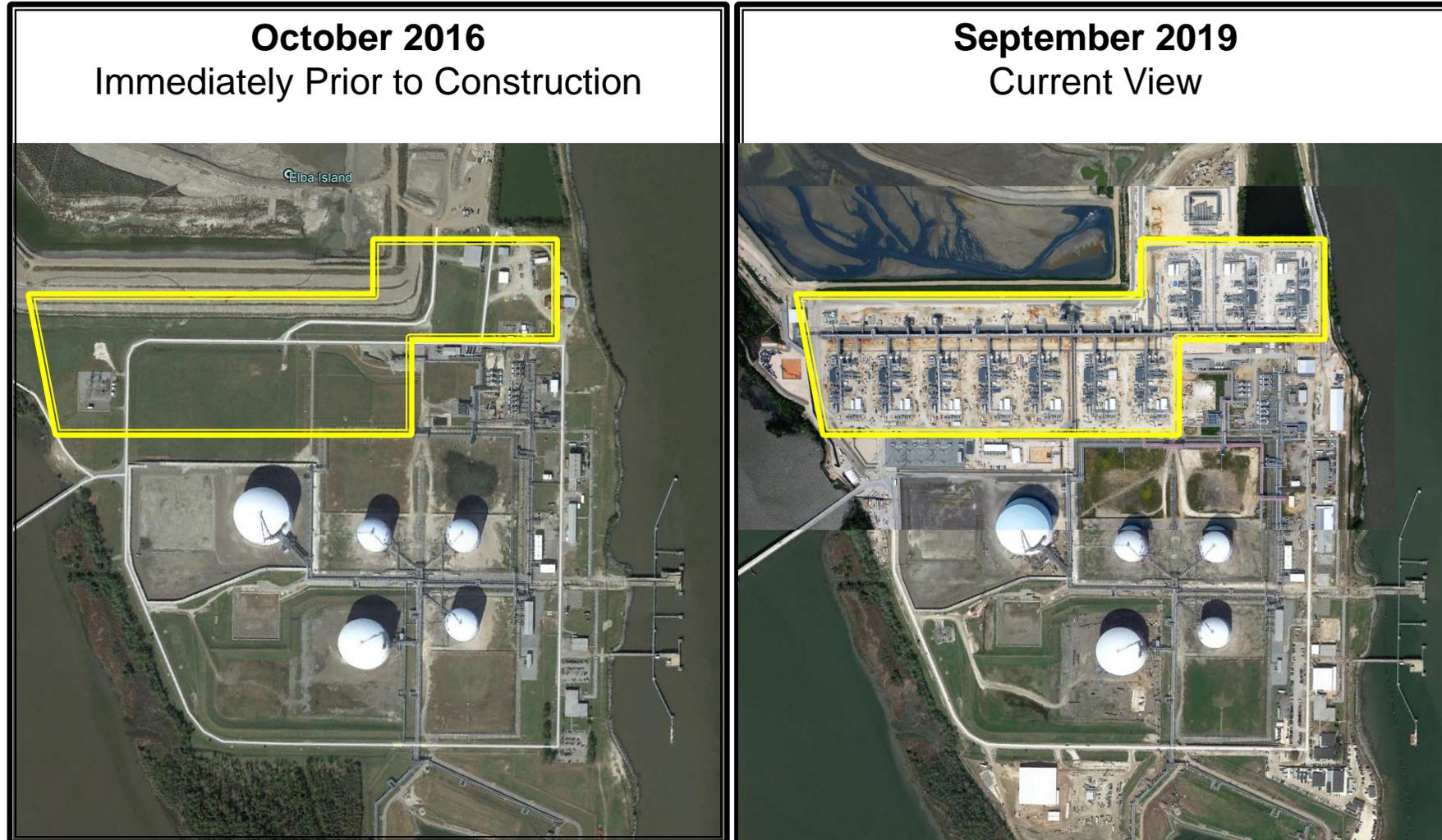
- 10 small LNG trains
 - Total of ~350,000 Mcf/d
- Filed FERC application
March 10, 2014
- Certificated June 1, 2016
- Started construction Nov 2016
- Expect initial phase in-service 3Q19
 - First unit undergoing performance testing
- Additional units added approximately monthly
with all in-service by end of 2nd quarter 2020



Elba Liquefaction Project

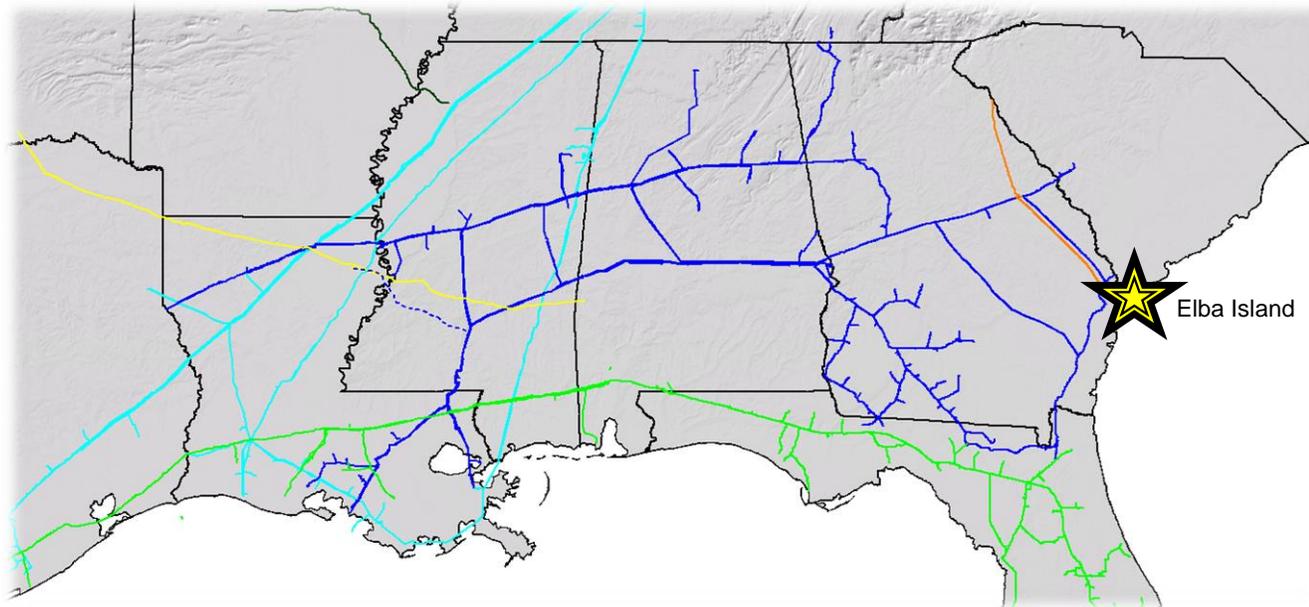


In just three short years



Impact to Southeast

- **Elba project anchored EEC reversal project**
 - Over 1 BCF/d North-to-South capacity
- **Peak-shaving service anticipated**
 - Southern Natural Gas (SNG) to offer service



SNG Peaking Service

Scope

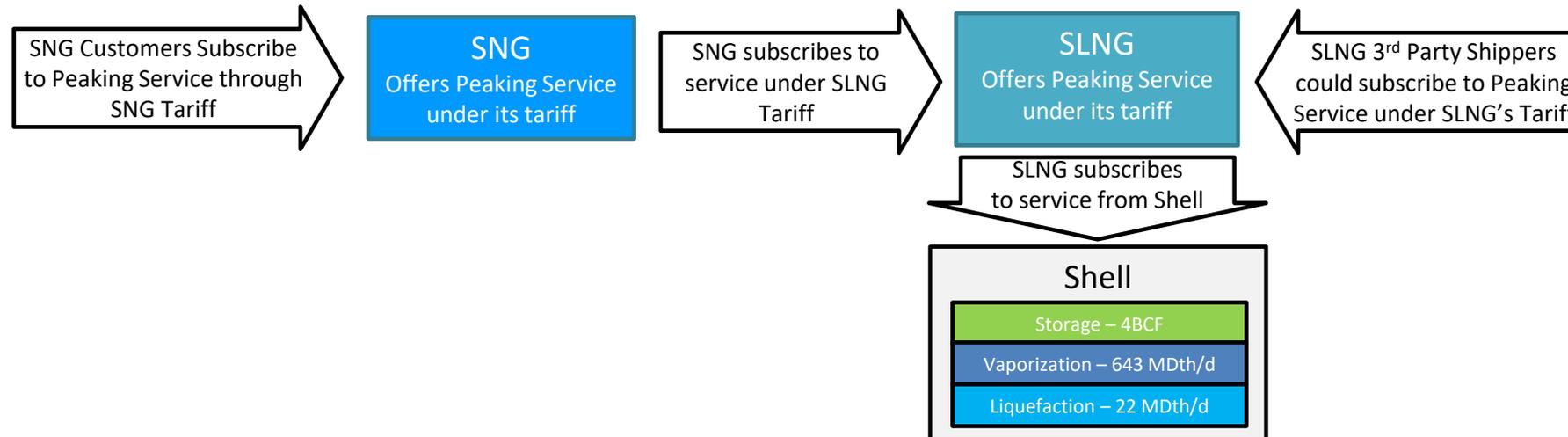
- Bundle SLNG storage and vaporization services with a liquefaction service purchased from Shell into a peaking service offered under SNG's and SLNG's respective tariffs
- No capex – No added facilities

Commercial

- SLNG would subscribe to a liquefaction service offered by Shell (via ELC assets) and bundle it with existing storage and vaporization service to create a peaking service under its tariff
- SNG would subscribe to the SLNG peaking service and, in turn, offer it under its tariff
- Value proposition: Provides seamless nomination and “very short” notice nominating capabilities
 - SNG to monetize the perceived value
- Targeting up to 4 Bcfd of storage with 643 MDth/d of vaporization capability

Status

- Awaiting in-service of Shell's liquefaction





Thanks For Your Business

and

Thanks For the Memories!

Advanced Scheduling

SNG Shipper Meeting

Birmingham, AL

September 19, 2019

Agenda

- 2019 Summer Constraint Review
- Helpful Reports and Tools in DART
 - MDQ Utilization
 - Capacity End Pt Split
 - Scheduling Cut Que
 - Imbalance Management Tools & Payback Nominations
- Preparing for Winter
 - 2018/2019 Winter Constraints
 - Scheduling Tips for Managing Your Business
 - Flow Day Redirect
 - Segmentation
 - Out of Cycle Nominations & Retro Requests

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Summer Restrictions

Percentage Days Restricted (April - August)

Restriction Point Highly Utilized SNG Paths	Percentage Days Restricted (April- August)	Percentage Days Restricted (April- August)	Percentage Days Restricted (April- August)
	2017	2018	2019
Segment 30	33.99%	9.15%	39.86%
Segment 340	0.00%	22.88%	0.00%
Segment 380/SESH Lateral	0.00%	21.57%	75.00%
Segment 400	0.00%	25.49%	31.76%
Segment 530	0.00%	19.61%	0.68%
Trnsco/SNG Fairburn	N/A	N/A	17.57%
Columbia Gulf	0.00%	34.64%	41.22%
East Tenn Whitfield	0.00%	0.00%	6.76%
GulfSth/SNG SESH	5.23%	17.65%	0.00%
EGT/SNG SESH	3.27%	17.65%	47.30%
EGT/SNG Perryville	0.00%	0.00%	25.00%
Texas Gas/SNG	0.65%	15.69%	22.30%
EMP/SNG Bienville	8.50%	0.00%	0.00%

Pipeline Conditions Notice

NOTICE DETAIL

 DOWNLOAD
  PDF
  PRINT

[Return To Results](#)

TSP/TSP Name: 6900518-SOUTHERN NATURAL GAS CO. **Critical:** Y

Notice Type Desc (1): PIPELINE CONDITIONS

Notice Type Desc (2): CURRENT PIPELINE CONDITIONS

Notice Eff Date/Time: 09/03/2019 2:52:55PM

Notice End Date/Time: 12/31/2049 9:00:00AM

Post Date: 9/3/2019 2:52:55 PM

Notice ID: 703675

Reqrd Rsp: 1

Notice Stat Desc: INITIATE

Prior Notice:

Subject: Pipeline Conditions as of 09/04/2019

Notice Text:

Effective for gas day Tuesday, September 4, 2019 and continuing until further notice, SNG restricted the following:

OPERATIONAL FLOW ORDERS (OFO)

None

RESTRICTIONS (POINT)

- 651320 (EGT/SNG PERRYVILLE OUACHITA) At Operating Capacity – Reductions into OP Services
- 606400 (EGT/SNG SESH RICHLAND) At Operating Capacity – Reductions into IT Services
- 609000 (TEX GAS/SNG KOSCIUSKO ATTALA) At Operating Capacity – Reductions into IT Services

RESTRICTIONS (SEGMENT)

- 30 (ONWARD) At Operating Capacity
- 580 (WRENS SOUTH) At Operating Capacity
- 400 (GWINVILLE NORTH) At Operating Capacity – Reductions into OP Services
- 380 (SNG SESH) At Operating Capacity – Reductions into OP Services
- 350 (LA WEST LEG) At Operating Capacity – Reductions into IT Services

RESTRICTIONS (LINEPACK)

None

Type 3 / 4 OFO Probability (Unlikely (UL); Too Close to Call (TC); Highly Likely (HL))

September 4, 2019 – UL

Type 6 OFO Probability (Unlikely (UL); Too Close to Call (TC); Highly Likely (HL))

September 4, 2019 - UL for short and UL for long imbalances

Informs Shippers of:

- OFOs & Warnings
- PIN Restrictions
- Segment Restrictions
- Line Pack Area Restrictions
- Type 3 / 4 OFO Probability
- Type 6 OFO Probability

Helpful Reports and Tools in DART

Nomination Screen Enhancement

- From the Nominations screen, customers will now be able to right click and view:
 - Contract Screen (Contracts_WEKT0300)
 - MDQ Utilization Screen(MDQ Utilization/Overrun Analysis_WNVL3401)

Batch List

Batch Locations | Nom Batch Report | Buy/Sell Mismatches

Refresh | Add Batch | Reset Batch | Change Batch | Delete Batch | Validate | Submit | Save As | Print

TSP Prop: 3705 TSP Name: SOUTHERN NATURAL GAS CO. TSP: 006900518
 Agent Prop: Agent Name: Agent:
 Svc Req Prop: Svc Req Name: Svc Req:

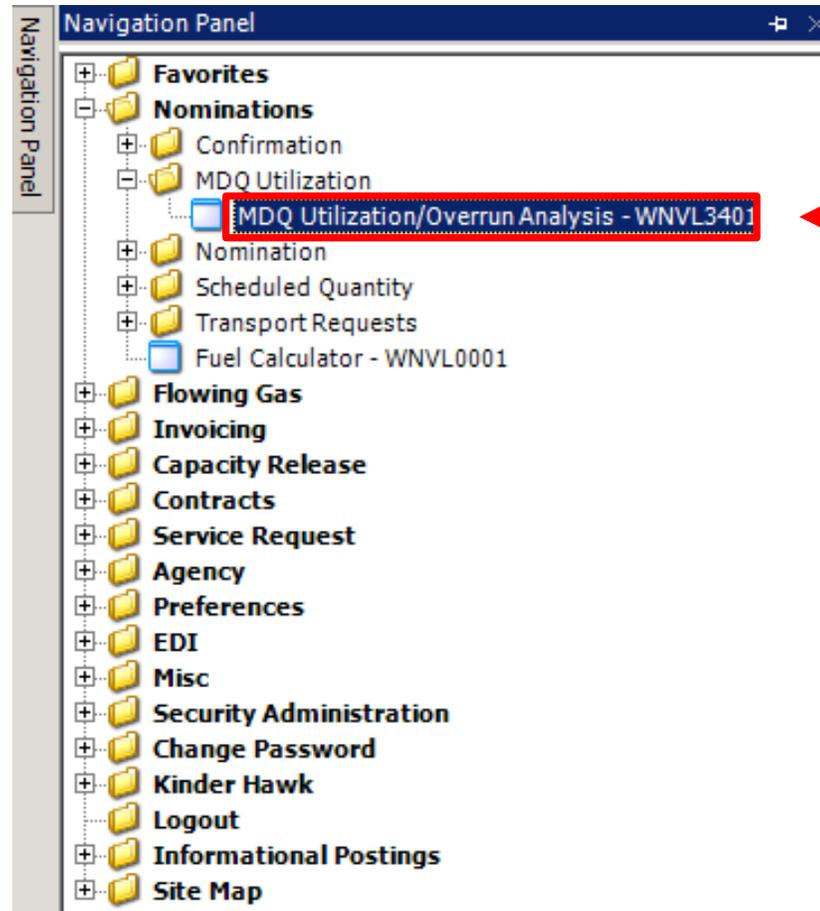
Report Date/Time: 9/5/2019 8:54:42 AM

Submitted Not Submitted Show All SVC Req

Begin Date	End Date	Batch ID- Description	Status	Cycle	Date Submitted	Last_Mod_User
		ADD Batch Reset Batch Change Batch Delete Batch Validate Submit <hr/> WNVL1010 - Batch Locations WNVL9000 - Nom Batch Report WNVL1050 - Buy/Sell Mismatches List WEKT0300 - Contracts WNVL3401 - MDQ Utilization/Overrun Analysis <hr/> Print Save As <hr/> Add to Favorites Remove from Favorites				

Navigating to

MDQ Utilization/Overrun Analysis



MDQ Utilization/Overrun Analysis

Flow Date: Cycle:

Include Nom in Draft and Hold Status

The Overrun Analysis process on this and subsequent pages is provided as a matter of customer service. Shipper's use of this information will not affect any of a shipper's rights or obligations under any of contractual agreement or under any provisions of the pipeline's FERC Gas Tariff. If the "Include Nom in Draft and Hold Status" option is selected, the last "draft" and "hold" batch of unsubmitted nominations for this gas day will also be included in the analysis. The results of this analysis for segmented capacity release contracts and associated replacement contracts are subject to change if subsequent nominations are submitted by other shippers nominating under contracts which are related to the releasing contract.

CTRCTID	Service	MDQ (DTH)	Total Nominate (DTH)	Nominated(DT Seg of Highest)	Scheduled (DTH)	MDQ-Nominated Difference* (DTH)	Overrun	Nominated Overrun(DTH)
	MFN	61	0	0	0	61		
	MFT	44	44	26	26	18		100
	MFT	9	0	0	0	9		
	MFTE	6	106	106	106	(100)	Yes	
	MFT	2	0	0	0	2		

- Total Nominated (DTH)
- Nominated Seg of Highest Usage (DTH)
- Scheduled (DTH)
- MDQ-Scheduled Difference (DTH)
- Overrun
- Nominated Overrun (DTH)

MDQ Utilization/Overrun Analysis

Contract Zone Summary

Contract Zone Detail

Report Date: 9/12/2019 1:40:44 PM

SVC REQ:

Contract ID:

Type: TFO

Svc Type: MFTE

Flow Date: 9/13/2019

Receipt Zone	Nominated Zone Usage	Scheduled Zone Usage	Zone Rights	Zone Overrun	Nominated Overrun(DTH)
Zone 0	0	0	6	0	
Zone 1	0	0	6	0	
Zone 2	0	0	6	0	
▶ Zone 3	106	106	6	100	

MDQ Utilization/Overrun Analysis-



Contract Zone Detail

Contract Segment Detail [SNG]: 09/10/2019 04:32:25 Contract Zone Summary [SNG]: 09/10/2019 04:33:53 **Contract Zone Detail [SNG]: 09/10/2019 04:34:10**

TSP: 3705 - SOUTHERN NATURAL GAS CO. AGENT: SVC REQ:

Contract MDQ Utilization Contract Zone Summary Close

Main Report

TSP : 3705 SOUTHERN NATURAL GAS CO.
SVC REQ :

Zone ID : 03 Name :

Contract ID : Type : Svc : MFTE Flow Date : 09/11/2019

PIN of Highest Usage : 50069 TRNSCO/SNG FAIRBURN TO SNG FAYETTE

ZONE USAGE AND OVERRUN DETAIL												
Receipt Location				Delivery Location				Path Volumes				
Loc #	Description	Rec Zone	Rcpt Flow Type	Route	Loc#	Description	Del Zone	Dlvy Flow Type	Receipt Dth	Adjustment Fuel	Delivery Dth	NetPoint Dth
50069	TRNSCO/SNG FAIRBURN TO SNG FAYETTE	Zn3	RECEIPT	DEFAULT	940016	AG/SNG AUGUSTA AREA RICHMOND	Zn3	DELIVERY	106	0	106	106
611001	SOUTHLA ZONE 0 POOL	Zn0	POOLING	DEFAULT	940016	AG/SNG AUGUSTA AREA RICHMOND	Zn3	DELIVERY	0	0	0	0
Total :									106	0	106	106

ZONE RIGHTS

Type of Receipt Zone Rights	Zone Rights Dth / Day
Total Zone Rights :	6
Additional Rights :	
Shipper Overrun :	100
Fmly Of Contracts Overrun :	0

MDQ Utilization/Overrun Analysis

Contract MDQ Seg Usage

Contract Segment Detail

Report Date: 9/12/2019 1:41:00 PM

SVC REQ:

Contract ID: Type: TFO Svc Type: MFTE

Flow Date: 9/13/2019

Zone View Segment View

Seg	Seg Name	Nominated Seg Usage	Scheduled Seg Usage	Seg Overrun	Nominated Seg Overrun
360	E/W LEG JUNCT TO ZN 0/1 BNDARY	0	0	0	
365	CAP REL ZONE 0 TO 1 S BOUNDARY	0	0	0	
370	ZONE 0/1 BOUNDARY TO SESH	0	0	0	
390	SESH INTERCONNECT TO GWINVILLE	0	0	0	
410	GWINVILLE TO BAY SPRINGS	0	0	0	
420	BAY SPRINGS TO ENTERPRISE	0	0	0	
430	ENTERPRISE TO ZONE 1/2 BNDARY	0	0	0	
435	CAP REL ZONE 1 TO 2 S BOUNDARY	0	0	0	
440	ZONE 1/2 BOUNDARY TO SELMA	0	0	0	
460	SELMA TO LEE COUNTY	0	0	0	
480	LEE COUNTY TO ZONE 2/3 BNDARY	0	0	0	
485	CAP REL ZONE 2 TO 3 S BOUNDARY	0	0	0	
490	ZONE 2/3 BOUNDARY TO THOMASTON	0	0	0	
500	SOUTH ATL LINE-ML TO MCDONOUGH	106	106	100	
510	SOUTH ATLANTA LINE	106	106	100	
530	THOMASTON TO BRUNSWICK LINE	106	106	100	
560	BRUNSWICK LINE TO WRENS	106	106	100	
570	WRENS TO AIKEN	106	106	100	

MDQ Utilization/Overrun Analysis- Contract Segment Detail



Contract Segment Detail [SNG]; 09/10/2019 04:32:25 Contract MDQ Seg Usage [SNG]; 09/10/2019 04:35:16 **Contract Segment Detail [SNG]; 09/10/2019 04:35:36**

TSP: 3705 - SOUTHERN NATURAL GAS CO. AGENT: SVC REQ:

Contract MDQ Utilization Contract Segment Summary Close

Main Report

TSP : 3705 SOUTHERN NATURAL GAS CO. Report Date : 09/10/2019
 SVC REQ :
 SEG NBR : 570 WRENS TO AIKEN
 Contract ID : Type : TFO Svc : MFTE Flow Date : 09/11/2019
 PIN of Highest Usage : 50069 Name : TRNSCO/SNG FAIRBURN TO SNG FAYE

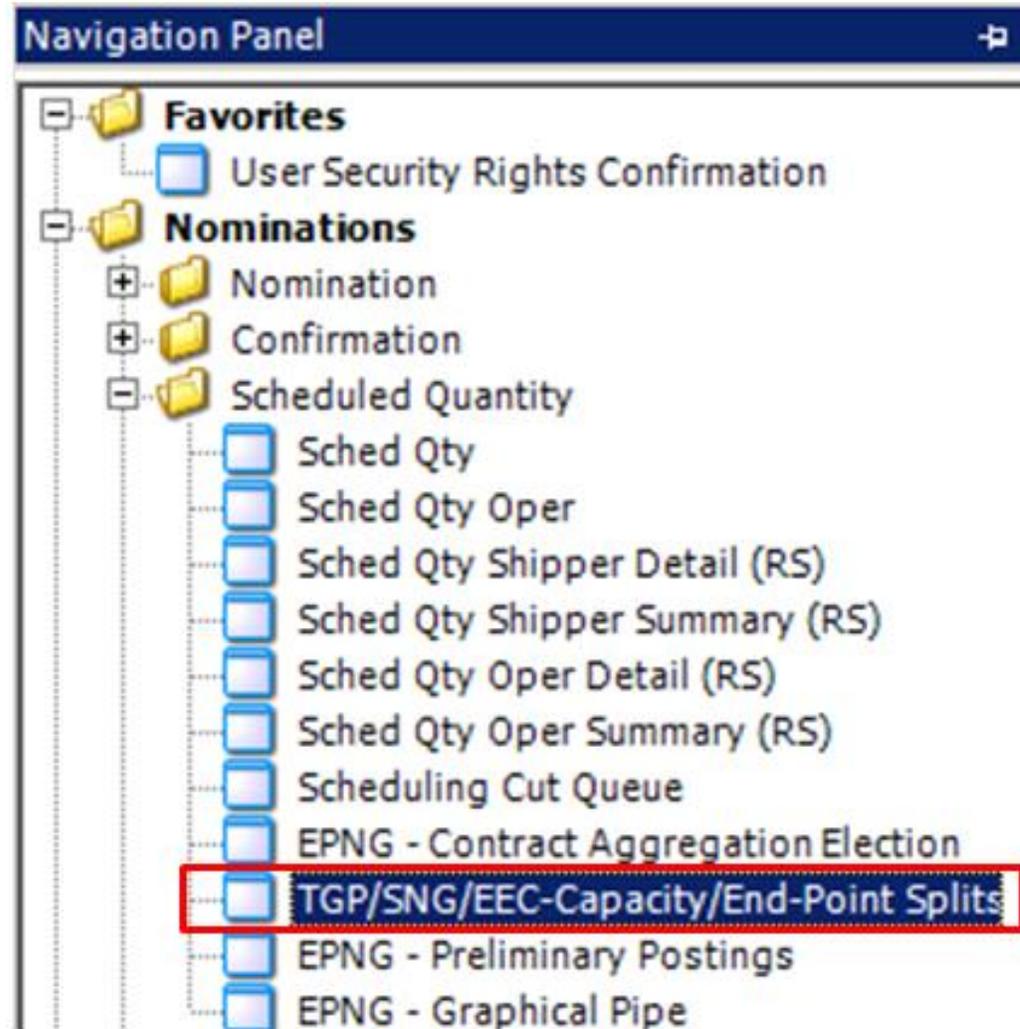
SEGMENT USAGE AND OVERRUN DETAIL

Receipt Location				Delivery Location				Path Volumes				
Loc #	Description	Rec Zone	Rcpt Flow Type	Route	Loc #	Description	Del Zone	Dlvy Flow Type	Receipt Dth	Adjustment Fuel	Delivery Dth	Net Point Dth
50069	TRNSCO/SNG FAIRBURN TO SNG FAYETTE	03	RECEIPT	DEFAULT	940016	AGL/SNG AUGUSTA.AREA RICHMOND	03	DELIVERY	106	0	106	106
511001	SOUTH LA.ZONE 0 POOL	00	POOLING	DEFAULT	940016	AGL/SNG AUGUSTA.AREA RICHMOND	03	DELIVERY	0	0	0	0
Total :									106	0	106	106

SEGMENT RIGHTS

Type of Receipt Segment Rights	Segment Rights Dth / Day
Total Segment Rights :	6
Shipper Overrun :	100
Fmly of Contracts Overrun :	0
Total Segment Nominated Overrun :	0

Navigation to Capacity/End-Point Splits Screen



Capacity/End-Point Splits Screen

NetVolumes PrePROD (SQLPREPROD)

Navigation: <Select a navigable window> Actions: <Select an action item>

TGP/SNG/EE Analyst Work i
Pipeline: 3705 - SOUTHERN NATURAL GAS CO.

Capacity/End-Point Split

Svc Req: 61000 Flow Date: 08/17/2018 Pnt/Seg: Segment Loc/Segment: 380 Retrieve Print Save As

Svc Req Name: TRNG-CHERRY NATURAL Loc/Seg Name: SNG-SESH

Cycle: TIMELY R/D Point: Direction: Forward Volume Ind: Nominated Expand All Contracts

Summary
Prev Schd: 0 PS P: 0
Curr PS: 0 PS IP: 0
Change PS: 0
NOTE: Scheduled Quantities are subject to change until the NAESB Scheduled Q

Location Lookup

Filter Criteria Selection
 No Filter Id Name Contains Name Starts With DRN Segment Zone

Point Catalog
 Yes No All Filter criteria: Zone: ALL Lgcy

Contract ID	Contract Total	Prev Schd	Curr PS	Ch
469580-MFNSNG	1985	0	0	

Svc Type	Vol Type	Rcpt Pt/S	Rcpt Rank	DI
MFN	Transport (Curren	606500/(380)	500	60
MFN	Transport (Curren	606500/(380)	500	60
TOTAL				

Segment	Loc Name (Segment)	Rcpt Zone	Dlvy Zone
10	BIENVILLE	00	00
20	ZONE 0/1 N BOUNDARY	00	00
30	ONWARD	01	01
40	PICKENS WEST	01	01
50	PICKENS EAST	01	01
60	MULDON LINE	01	01
70	MULDON EAST	01	01
80	ZONE 1/2 N BOUNDARY	02	02
90	REFORM	02	02
90	DUNCANVILLE LATERAL	02	02
100	HONTSVILLE LINE	02	02
110	MCCONNELLS	02	02
120	PROVIDENCE	02	02
130	TARRANT	02	02
140	BEFL CITY	02	02

PS IP	PS OP	PS Other
0	0	0
0	0	0
0	986	0
0	999	0
1,985		

Curr P	Curr IP	Curr OP	Curr Other	PS P	PS IP
0	0	0	0	0	0
0	0	0	0	0	0
0	0	986	0	0	0
0	0	999	0	0	0

Total rows: 76

Ok Cancel

Capacity/End-Point Splits Screen

Capacity/End-Point Split

Svc Req: [] Flow Date: 09/13/2019 Pnt/Seg: Segment Loc/Segment: 710 [Retrieve] [Print] [Save As]

Svc Req Name: [] Loc/Seg Name: PAVO

Cycle: EVENING R/D Point: [] Direction: Forward Volume Ind: Nominated Expand All Contracts

Summary

Prev Schd: 0	PS P: 0	PS OP: 0	Curr P: 0	Curr OP: 100
Curr PS: 0	PS IP: 0	PS SA: 0	Curr IP: 511	Curr SA: 0
-----			PS Other: 0	Curr Other: 0
Change PS: 0				Total: 611

NOTE: Scheduled Quantities are subject to change until the NAESB Scheduled Quantities deadline of each cycle.

Contract ID	Contract Total	Prev Schd	Curr PS	Change PS	Curr P	Curr IP	Curr OP	Curr Other	PS P	PS IP	PS OP	PS Other	
	511	0	0	0	0	411	100	0	0	0	0	0	
Svc Type	Vol Type	Rcpt Pt/S	Rcpt Rank	Dlvy Pt/Se	Dlvy Rank	Path Rank	Prev Schd	Curr PS	Change PS	Curr P	Curr IP	Curr OP	Curr Other
MFN	Transport (Curr	50069/(510)	197	960390/(71	197	197	0	0	0	0	300	100	0
MFN	Transport (Curren	50069/(510)	196	960390/(710)	196	196	0	0	0	0	111	0	0
TOTAL											411	100	
Contract ID	Contract Total	Prev Schd	Curr PS	Change PS	Curr P	Curr IP	Curr OP	Curr Other	PS P	PS IP	PS OP	PS Other	
	100	0	0	0	0	100	0	0	0	0	0	0	

Capacity/End-Point Splits Screen

Capacity/End-Point Split

Svc Req: Flow Date: 09/13/2019 Pnt/Seg: Segment Loc/Segment: 710 Retrieve Print Save As

Svc Req Name: Loc/Seg Name: PAVO

Cycle: EVENING R/D Point: Direction: Forward Volume Ind: Nominated Expand All Contracts

Summary

Prev Schd: 0	PS P: 0	PS OP: 0	Curr P: 0	Curr OP: 100
Curr PS: 0	PS IP: 0	PS SA: 0	Curr IP: 511	Curr SA: 0
-----			PS Other: 0	Curr Other: 0
Change PS: 0				Total: 611

NOTE: Scheduled Quantities are subject to change until the NAESB Scheduled Quantities deadline of each cycle.

Contract ID	Contract Total	Prev Schd	Curr PS	Change PS	Curr P	Curr IP	Curr OP	Curr Other	PS P	PS IP	PS OP	PS Other	
	511	0	0	0	0	411	100	0	0	0	0	0	
Svc Type	Vol Type	Rcpt Pt/S	Rcpt Rank	Dlvy Pt/Se	Dlvy Rank	Path Rank	Prev Schd	Curr PS	Change PS	Curr P	Curr IP	Curr OP	Curr Other
MFN	Transport (Curr)	50069/(510)	197	960390/(71)	197	197	0	0	0	0	300	100	0
MFN	Transport (Curren	50069/(510)	196	960390/(710)	196	196	0	0	0	0	111	0	0
TOTAL												411	100
Contract ID	Contract Total	Prev Schd	Curr PS	Change PS	Curr P		PS P	PS IP	PS OP	PS Other			
	100	0	0	0	0		0	0	0	0			

- Add item
- Change item
- Delete item
- Inquire on item
- Delete Attribute
- WNWL7000 - Contract Path Ranking**
- WSVL0760 - TGP/SNG/EEC-Capacity/End-Point Splits
- Print
- Save As
- Add to Favorites
- Remove from Favorites

Capacity/End-Point Splits Screen



Contract Path Ranking

NAESB Contract Path Ranking List

TSP Prop: 3705 TSP Name: SOUTHERN NATURAL GAS CO. TSP: 006900518 Submit Selected Contract Submit All Contracts Save As Print Retrieve Clear

Svc Req Prop: Svc Req Name: Svc Req: Statement Date/Time: 9/12/2019 4:00:52 PM

Beg Date: 9/13/2019 Cycle: EVENING Expand All Show Zeros

Svc Req K	Svc Type	New Path	MDQ	Rank Beg Dat	Rank End Dat	Last Modified By
0	MFN	Y	0	09/13/2019	09/13/2019	

TT	Vol Type	Rec L Prop	Rec Loc Name	Rec Loc	Rec Zon	Del Lo Prop	Del Loc Name	Del Loc	Del Zone	Recei Dth	Fuel Dth	Deliv Dth	Pk Id	Path Rank	New Path	Route
1	TRANSPORT	50069	TRNSCO/SNG FAIRBU	50069	Zn 3	960390	AGL/SNG VALDOSTA A	960390	Zn 3	403	3	400	FAIRB	1		DEFAULT
1	TRANSPORT	50069	TRNSCO/SNG FAIRBU	50069	Zn 3	960390	AGL/SNG VALDOSTA A	960390	Zn 3	112	1	111	FAIRB	196		DEFAULT
Total:										515	4	511				

Svc Req K	Svc Type	New Path	MDQ	Rank Beg Dat	Rank End Dat	Last Modified By
0	MFT	Y	0	09/13/2019	09/13/2019	

Capacity/End-Point Splits Screen

Capacity/End-Point Split

Svc Req: Flow Date: 09/13/2019 Pnt/Seg: Segment Loc/Segment: 710 **Retrieve** Print Save As

Svc Req Name: Loc/Seg Name: PAVO

Cycle: EVENING R/D Point: Direction: Forward Volume Ind: Nominated Expand All Contracts

Summary

Prev Schd: 0 PS P: 0 PS OP: 0 Curr P: 0 Curr OP: 100
 Curr PS: 0 PS IP: 0 PS SA: 0 Curr IP: 511 Curr SA: 0
 PS Other: 0 Curr Other: 0
 Change PS: 0
 Total: 611

NOTE: Scheduled Quantities are subject to change until the NAESB Scheduled Quantities deadline of each cycle.

Contract ID	Contract Total	Prev Schd	Curr PS	Change PS	Curr P	Curr IP	Curr OP	Curr Other	PS P	PS IP	PS OP	PS Other	
	511	0	0	0	0	411	100	0	0	0	0	0	
Svc Type	Vol Type	Rcpt Pt/S	Rcpt Rank	Dlvy Pt/Se	Dlvy Rank	Path Rank	Prev Schd	Curr PS	Change PS	Curr P	Curr IP	Curr OP	Curr Other
MFN	Transport (Curren	50069/(510)	197	960390/(710)	197	1	0	0	0	0	400	0	0
MFN	Transport (Curren	50069/(510)	196	960390/(710)	196	196	0	0	0	0	11	100	0
TOTAL											411	100	
Contract ID	Contract Total	Prev Schd	Curr PS	Change PS	Curr P	Curr IP	Curr OP	Curr Other	PS P	PS IP	PS OP	PS Other	
	100	0	0	0	0	100	0	0	0	0	0	0	

Scheduling Cut Queue



- From this screen shippers can review any scheduling cuts by the pipeline or transportation service provider (TSP)

Scheduling Cut Queue

Scheduling Cut

TSP Prop: 3705 TSP Name: SOUTHERN NATURAL GAS CO. TSP: 6900518
Svc Req Prop: Svc Req Name: Svc Req:

Flow Date: Thru: Scheduling variance
Cycle:

- Enter Flow Date and Cycle, then click Retrieve

Scheduling Cut Queue

Scheduling Cut

Retrieve

Clear

* Analyst: * Flow Date: * Thru: Scheduling variance All Visible Cuts

* Addl Analyst:

* Agent: * Customer Id: Cycle:

Flow Date	Cycle	Cust Id	Contract Nbr	Customer	Type	Seg\Point Leg	Variance	Directio	Cut Amount	Send Cut Notice	Sent Time
09/04/2019	TIME				SEGMENT	400 - GWINVILLE NOR	N	F	-1279	<input checked="" type="checkbox"/>	
09/04/2019	TIME				SEGMENT	400 - GWINVILLE NOR	N	F	-10120	<input checked="" type="checkbox"/>	
09/04/2019	TIME				SEGMENT	400 - GWINVILLE NOR	N	F	-8	<input checked="" type="checkbox"/>	

- Populated Records are sorted by date, cycle, restriction type and direction of flow
- Double click on record for detail

Scheduling Cut Queue Detail

Retrieve Print / Export

Segment 400 - GWINVILLE NORTH Scheduling

	Nominated	Scheduled	
IT/AO:	0	0	Customer:
DDS:	0	0	Agent:
OP:	8,501	7,222	Contract:
Primary:	0	0	Type: TFO MFT
Total:	8,501	7,222	Flow Date: <input type="text" value="9/ 4/2019"/>
			Cycle: <input type="text" value="TIMELY"/> Remaining: 0

Rec Loc Prop Name	Rec Loc Prop	Del Loc Prop Name	Del Loc Prop	Nom Rank	Schd Priority	Current Qty	P/L Schedule	Variance	Reason	Cut Flag	Comment	PKG ID
EGT/SNG PERRYVILLE OUA	651320/(30)	SOUTH LA ZONE 0 POOL	611001/(360)	500	Out Of Path	3,412	2,133	-1,279	PCC Pipeline	Y		
EGT/SNG PERRYVILLE OUA	651320/(30)	SOUTH LA ZONE 0 POOL	611001/(360)	500	PS Out Of Path	5,089	5,089	0		Y		
		Unutilized	Capacity			0	0	0				
Grand Summaries						8,501	7,222	(1,279)				

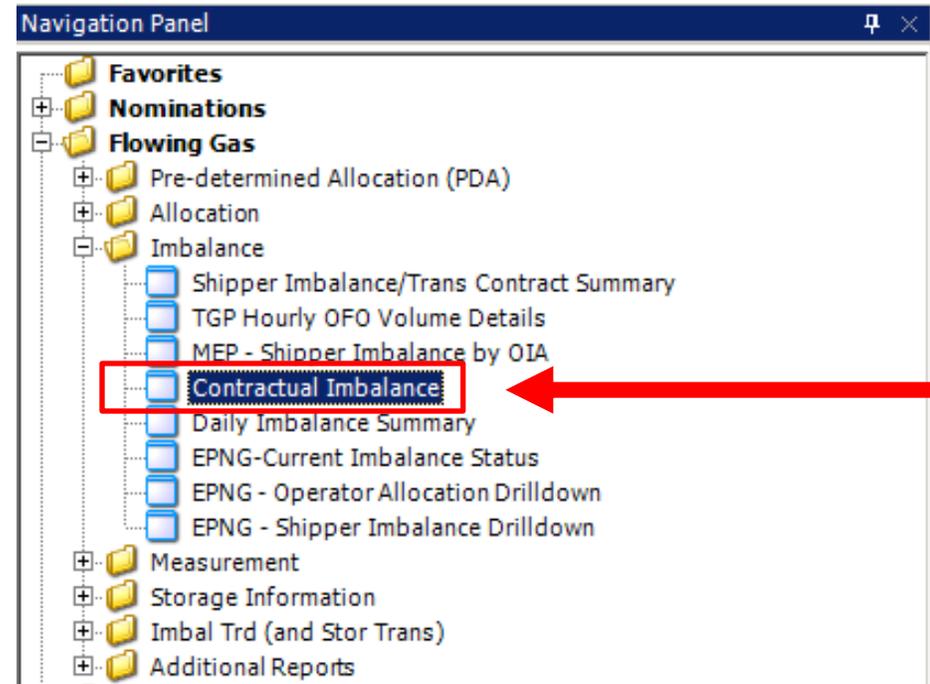


- Detailed information is provided including Receipt/Delivery Path, Nom Rank, Scheduling Priority and the Reason code

Imbalance Management Tools

- Contractual Imbalance Screen
 - Summary or detailed view of an imbalance by GID (Shipper's Global company ID)
 - Daily Contractual Imbalance
 - Location Contractual Imbalance
 - Location Specific Daily Imbalance
 - Daily Contract Imbalance All Locations
- SNG/EEC Imbalance Agent Summary Report
 - Developed specifically for SNG
 - Summary view of imbalance for those users who are Imbalance Aggregation Agent for other entities

Navigating to Contractual Imbalance



Location Contractual Imbalance

Contractual Imbalance

TSP: 3705 - SOUTHERN NATURAL GAS CO. AGENT: 65000 - TRNG-LOCUST POWER CO. SVC REQ: 65000 - TRNG-LOCUST POWER CO.

Gas Flow Month: 08/2015 Retrieve Export Print

Billable Party: 65000 TRNG-LOCUST POWER CO. Positive Values - Pipeline owes Shipper
Negative Values () - Shipper owes Pipeline

Total Month to Date Contractual Imbalance		Daily Contractual Imbalance			Location Contractual Imbalance			Location Specific Daily Imbalance			Daily Contract Imbalance All Locations		
Contract	Location Name	Location	Actual Sched Qty	Actual Alloc Qty	Actual Alloc Fuel Vol	Actual Imbal Owed	Actual Imb Percent	Est Sched Qty	Est Alloc Qty	Est Alloc Fuel Qty	Est Imb Owed	Est Imb Percent	
460012-MFTSNG	CGT/SNG AIKEN	783600	(600)	(600)	0	0	0.00	(600)	(600)	0	0	0.00	
460012-MFTSNG	TRNG/SNG ABC DELIVERY POINT ADAM	999902	(38,964)	(58,628)	0	(19,664)	50.47	(38,964)	(58,628)	0	(19,664)	50.47	
460012-MFTSNG	TRNG/SNG UDP ABC RECEIPT POINT SMIT	999901	40,000	54,879	1,420	14,879	37.20	40,000	54,879	1,420	14,879	37.20	
Grand Summary			436	(4,349)	1,420	(4,785)	1,097.48	436	(4,349)	1,420	(4,785)	1,097.48	

Location Specific Daily Imbalance

NetIDart (SQLLTQA)

File View Window Help

Navigation: <No navigable windows available> Actions: <Select an action item>

Contractual Imbalance

TSP: 3705 - SOUTHERN NATURAL GAS CO. AGENT: 65000 - TRNG-LOCUST POWER CO. SVC REQ: 65000 - TRNG-LOCUST POWER CO.

Gas Flow Month: 08/2015 Retrieve Export Print

Billable Party : 65000 TRNG-LOCUST POWER CO.

Positive Values - Pipeline owes Shipper
Negative Values () - Shipper owes Pipeline

Total Month to Date Contractual Imbalance		Daily Contractual Imbalance		Location Contractual Imbalance		Location Specific Daily Imbalance		Daily Contract Imbalance All Locations				
Contract	Location Name	Location	Gas Flow Date	Actual Sched Qty	Actual Alloc Qty	Actual Alloc Fuel Vol	Actual Imbal Owed	Actual Imb Percent	Est Sched Qty	Est Alloc Qty	Est Alloc Fuel Qty	Est Imb Owed
460012-MFTSNG	CGT/SNG AIKEN	783600	08/31/2015	(600)	(600)	0	0	0.00	(600)	(600)	0	0
GRAND SUMMARY				(600)	(600)	0	0	0.00	(600)	(600)	0	0

Daily Contract Imbalance All Locations

NetIDart (SQLTQA)

File View Window Help

Navigation: <No navigable windows available> Actions: <Select an action item>

Contractual Imbalance

TSP: 3705 - SOUTHERN NATURAL GAS CO. AGENT: 65000 - TRNG-LOCUST POWER CO. SVC REQ: 65000 - TRNG-LOCUST POWER CO.

Gas Flow Month: 08/2015 Analyst:

Billable Party: 65000 TRNG-LOCUST POWER CO.

Positive Values - Pipeline owes Shipper
Negative Values () - Shipper owes Pipeline

Retrieve Export Print

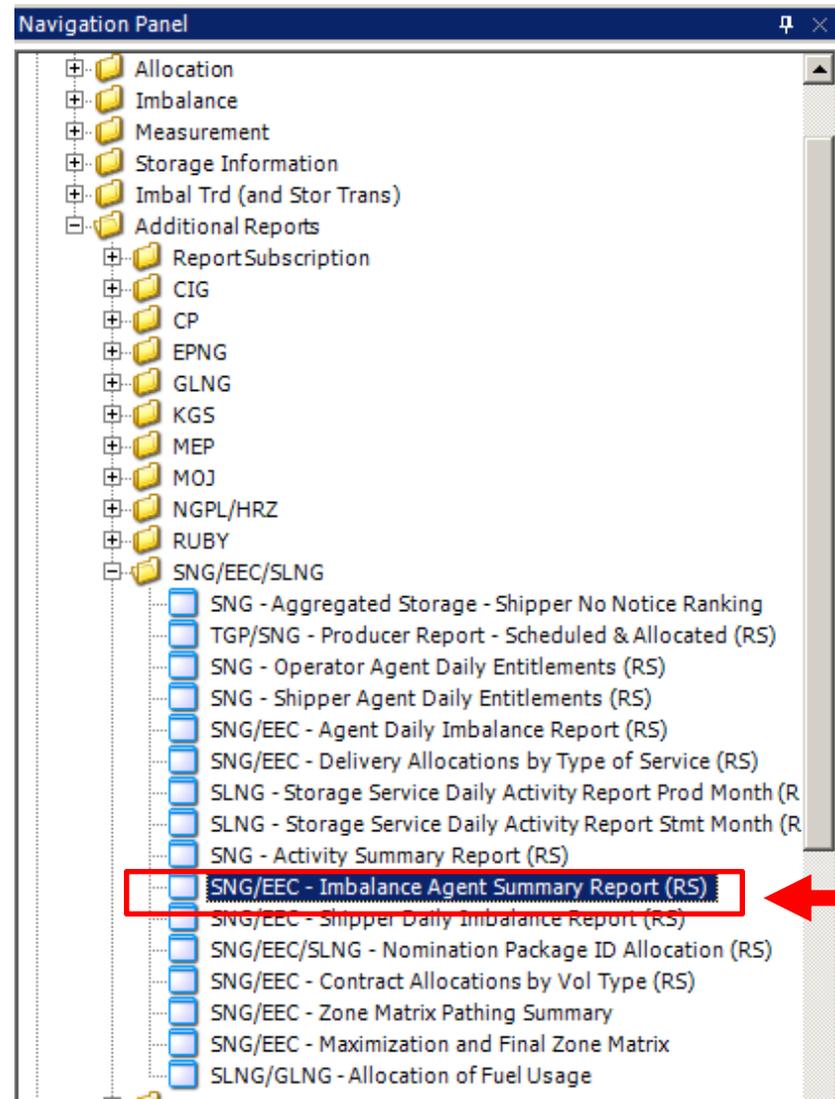
Total Month to Date Contractual Imbalance | Daily Contractual Imbalance | Location Contractual Imbalance | Location Specific Daily Imbalance | **Daily Contract Imbalance All Locations**

Contract	Location Name	Location	Gas Flow Date	Actual Sched Qty	Actual Alloc Qty	Actual Alloc Fuel Vol	Actual Imbal Owed	Actual Imb Percent	Est Sched Qty	Est Alloc Qty	Est Alloc Fuel Qty	Est Imb Owed
460012-MFTSNG	CGT/SNG AIKEN	783600	08/31/2015	(600)	(600)	0	0	0.00	(600)	(600)	0	0
460012-MFTSNG	TRNG/SNG ABC DELIVERY POINT ADAM	999902	08/20/2015	(9,741)	(9,741)	0	0	0.00	(9,741)	(9,741)	0	0
460012-MFTSNG	TRNG/SNG ABC DELIVERY POINT ADAM	999902	08/21/2015	(9,741)	(15,555)	0	(5,814)	59.69	(9,741)	(15,555)	0	(5,814)
460012-MFTSNG	TRNG/SNG ABC DELIVERY POINT ADAM	999902	08/22/2015	(9,741)	(23,591)	0	(13,850)	142.18	(9,741)	(23,591)	0	(13,850)
460012-MFTSNG	TRNG/SNG ABC DELIVERY POINT ADAM	999902	08/23/2015	0	0	0	0	0.00	0	0	0	0
460012-MFTSNG	TRNG/SNG ABC DELIVERY POINT ADAM	999902	08/24/2015	0	0	0	0	0.00	0	0	0	0
460012-MFTSNG	TRNG/SNG ABC DELIVERY POINT ADAM	999902	08/25/2015	0	0	0	0	0.00	0	0	0	0
460012-MFTSNG	TRNG/SNG ABC DELIVERY POINT ADAM	999902	08/26/2015	0	0	0	0	0.00	0	0	0	0
460012-MFTSNG	TRNG/SNG ABC DELIVERY POINT ADAM	999902	08/27/2015	0	0	0	0	0.00	0	0	0	0
460012-MFTSNG	TRNG/SNG ABC DELIVERY POINT ADAM	999902	08/28/2015	(9,741)	(9,741)	0	0	0.00	(9,741)	(9,741)	0	0
460012-MFTSNG	TRNG/SNG ABC DELIVERY POINT ADAM	999902	08/29/2015	0	0	0	0	0.00	0	0	0	0
460012-MFTSNG	TRNG/SNG ABC DELIVERY POINT ADAM	999902	08/30/2015	0	0	0	0	0.00	0	0	0	0
460012-MFTSNG	TRNG/SNG ABC DELIVERY POINT ADAM	999902	08/31/2015	0	0	0	0	0.00	0	0	0	0
460012-MFTSNG	TRNG/SNG UDP ABC RECEIPT POINT SMIT	999901	08/20/2015	10,000	6,667	172	(3,333)	33.33	10,000	6,667	172	(3,333)
460012-MFTSNG	TRNG/SNG UDP ABC RECEIPT POINT SMIT	999901	08/21/2015	10,000	31,545	817	21,545	215.45	10,000	31,545	817	21,545
460012-MFTSNG	TRNG/SNG UDP ABC RECEIPT POINT SMIT	999901	08/22/2015	10,000	6,667	172	(3,333)	33.33	10,000	6,667	172	(3,333)
460012-MFTSNG	TRNG/SNG UDP ABC RECEIPT POINT SMIT	999901	08/23/2015	0	0	0	0	0.00	0	0	0	0

WCRV2800 #100 - Rows retrieved for Daily Contract Grid. Done

Navigating to

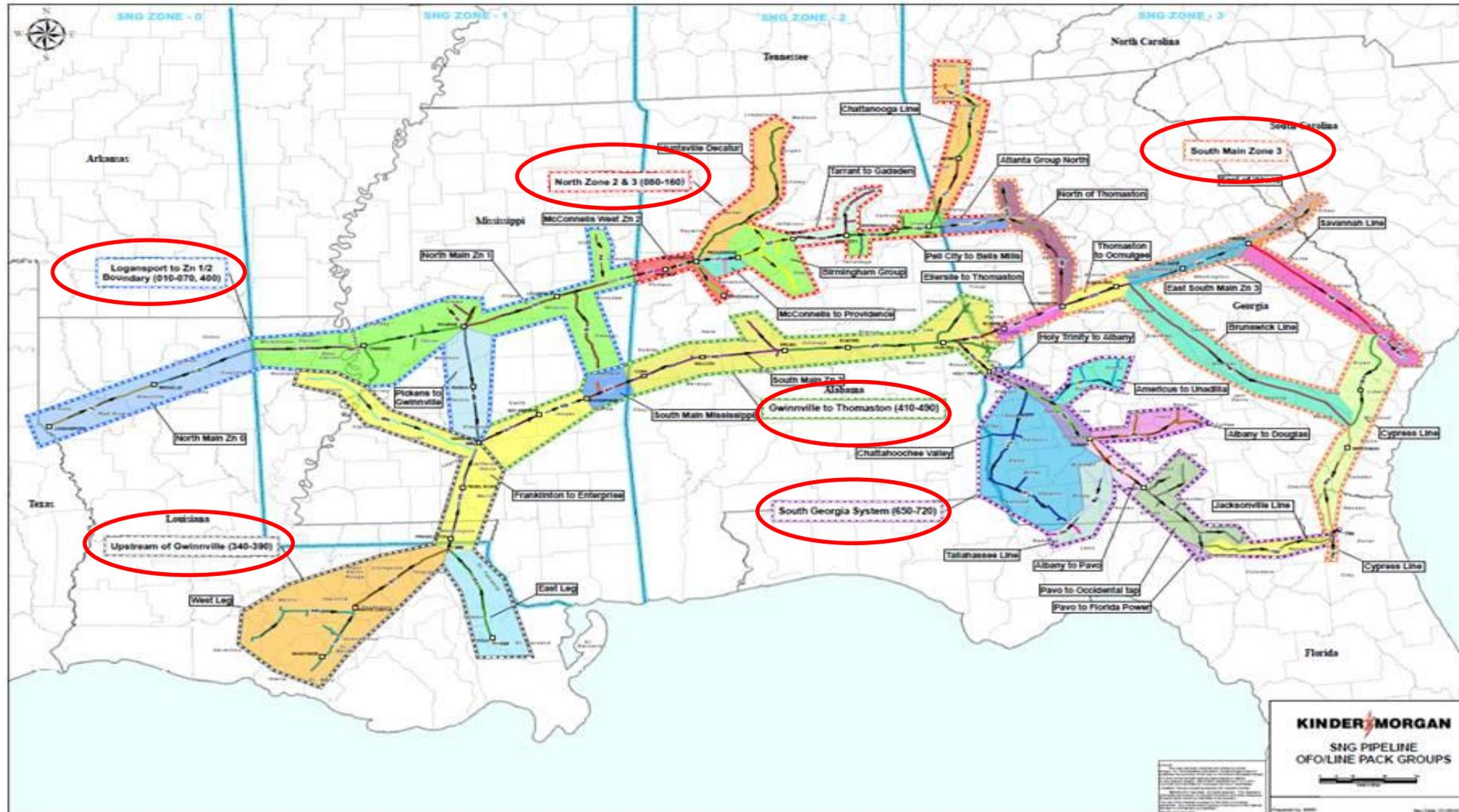
Imbalance Agent Summary Report



Imbalance Agent Summary Report

Imbalance Agent Summary							Page 1 of 1 WIVL4054_RS
TSP Prop	3705	TSP Name:	SOUTHERNNATURAL GAS CO.	TSP	6900518		
Svc Req Prop	61000	Svc Req Name:	TRNG-CHERRYNATURAL	Svc Req	6100000		
Contact Name:	Scheduling Hotline	Contact Phone:	(713) 420-4999	Beg Date:	02/01/2016		
Statement Date:	03/01/2016	Flow Period:	Feb-16	End Date:	02/29/2016		
Trades Exist	No	System Test Met	No	Net System Imbalance Direction:	Short		
Estimated Imbalance:	26.17000%	Actual Preliminary Imbalance:	26.17000%	Actual Final Imbalance:	26.17000%		
Imbalance Aggregation Agent Grand Total :			12,270	(360)	9,440	2,470	
Svc Req Prop: 61000		Svc Req Name: TRNG-CHERRYNATURAL GAS					
Svc Req k	Svc Type	TT	Alloc Rec Qty	Fuel Qty	Alloc Del Qty	Imb Qty	
			12,270	(360)	9,440	2,470	
460060-MFPSNG	MFP	MASTER RECEIPT POINT ASS	620	0	620	0	
460084-ITSNG	IT	INTERRUPTIBLE TRANSPORT	6,198	(198)	6,000	0	
460141-ITSNG	IT	INTERRUPTIBLE TRANSPORT	5,152	(162)	2,520	2,470	
460180-ITSNG	IT	INTERRUPTIBLE TRANSPORT	300	0	300	0	
						FRH	
						No	
						No	
						No	
						No	

Payback Areas



Nominating Payback

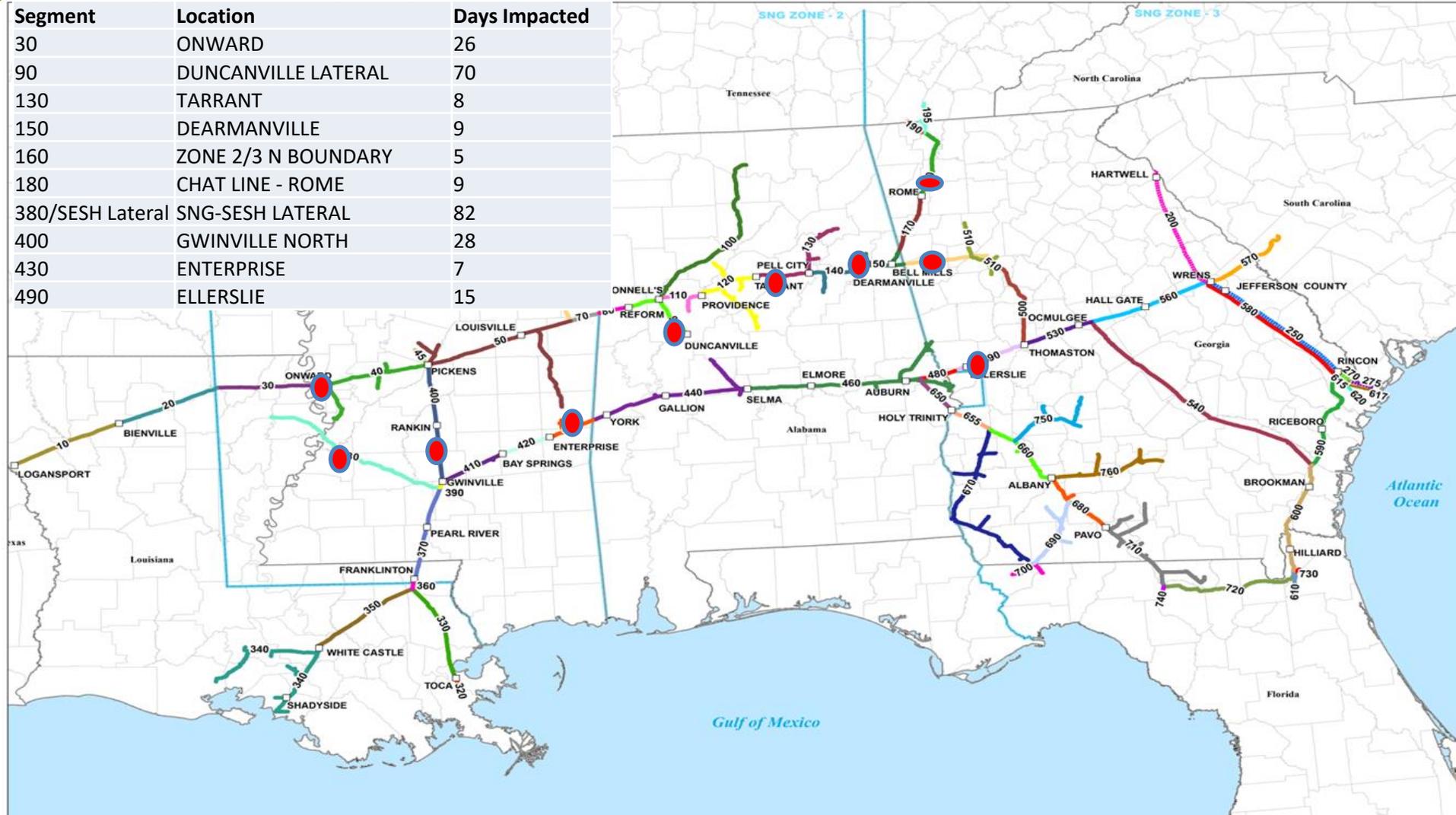
- Payback at the Pool PIN
 - 1 Sided Transaction
 - Requires Pooling contract
 - Payback from TSP (TT 03) & Payback to TSP (TT 04)
- Payback using Transportation Contract
 - Payback from TSP (TT 03) will be associated with a PIN representative of **Zone 0**
 - Payback to TSP (TT 04) will be associated with a PIN representative of **Zone 3**
 - Utilizes Transport Capacity (TT 03) & subject to applicable fuel (TT 04)

Preparing for Winter

SNG Winter 2018/2019

Segment Constraints (November-March)

Segment	Location	Days Impacted
30	ONWARD	26
90	DUNCANVILLE LATERAL	70
130	TARRANT	8
150	DEARMANVILLE	9
160	ZONE 2/3 N BOUNDARY	5
180	CHAT LINE - ROME	9
380/SESH Lateral	SNG-SESH LATERAL	82
400	GWINVILLE NORTH	28
430	ENTERPRISE	7
490	ELLERSLIE	15



Winter Restrictions

Percentage Days Restricted (November - March)

Restriction Point Highly Utilized SNG Paths	Percentage Days Restricted (November - March)	Percentage Days Restricted (November - March)	Percentage Days Restricted (November - March)
	2016/2017	2017/2018	2018/2019
Segment 30	0.00%	18.54%	17.22%
Segment 90/Duncanville Lateral	N/A	N/A	46.35%
Segment 130	0.00%	0.00%	5.30%
Segment 150	0.00%	0.00%	5.96%
Segment 180	0.00%	0.00%	5.96%
Segment 380/SESH Lateral	4.64%	1.32%	54.31%
Segment 400	0.00%	19.21%	18.54%
Segment 490	7.95%	14.57%	9.93%
American Midstream Duncanville	1.99%	21.19%	22.52%
Columbia Gulf	0.66%	13.91%	10.60%
East Tenn Whitfield	0.00%	0.00%	9.27%
Thomson/SNG Jefferson	0.00%	7.28%	5.30%
AGL/SNG Thomaston	0.00%	1.32%	5.30%

Sourcing Gas on Peak Days

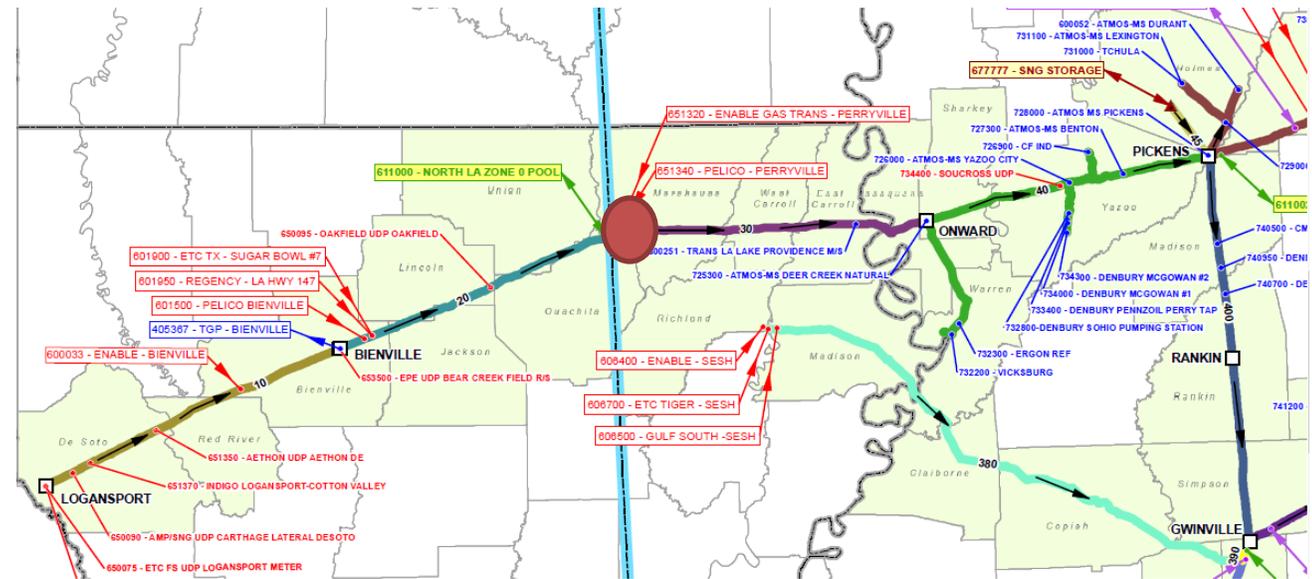
- Utilize receipts, including displacement, downstream of South System constraints as much as possible
 - Elba Island
 - Dominion Carolina Gas Transmission displacement
 - Transco supply via Elba Express
 - Transco- SNG Fairburn
 - Petal, Destin, and TGP-Rose Hill are downstream of a segment 420 constraint
 - But they are not downstream of a segment 430 or 490 constraint
 - FGT- Suwannee – Up to 60,000 dth/d meter capacity, but scheduled level of flow depends on location of South Georgia loads

Seamless Nominations

- SNG is a shipper on Elba Express and offers a seamless service to its shippers
- EEC points will be set up as Zone 3 points on SNG to accommodate ease of nominations
 - Firm expansion shippers have capacity rights through the EEC segments
 - If the expansion shippers are not using the capacity, then existing shippers' nominations will be scheduled based on queue priority up to SNG's TD on EEC
- SNG shippers may nominate these EEC points if they add an Exhibit C to their contract
 - Exhibit C provides that Shippers who use the EEC capacity will pay the EEC ACA charge and EEC fuel, in addition to SNG's commodity charges, surcharges and fuel
 - FERC has required that EEC establish an incremental North to South fuel rate to support this expansion service Example:
 - EEC expansion fuel from Transco to Port Wentworth
 - Applicable SNG fuel from Port Wentworth to SNG delivery

Flow Day Redirect

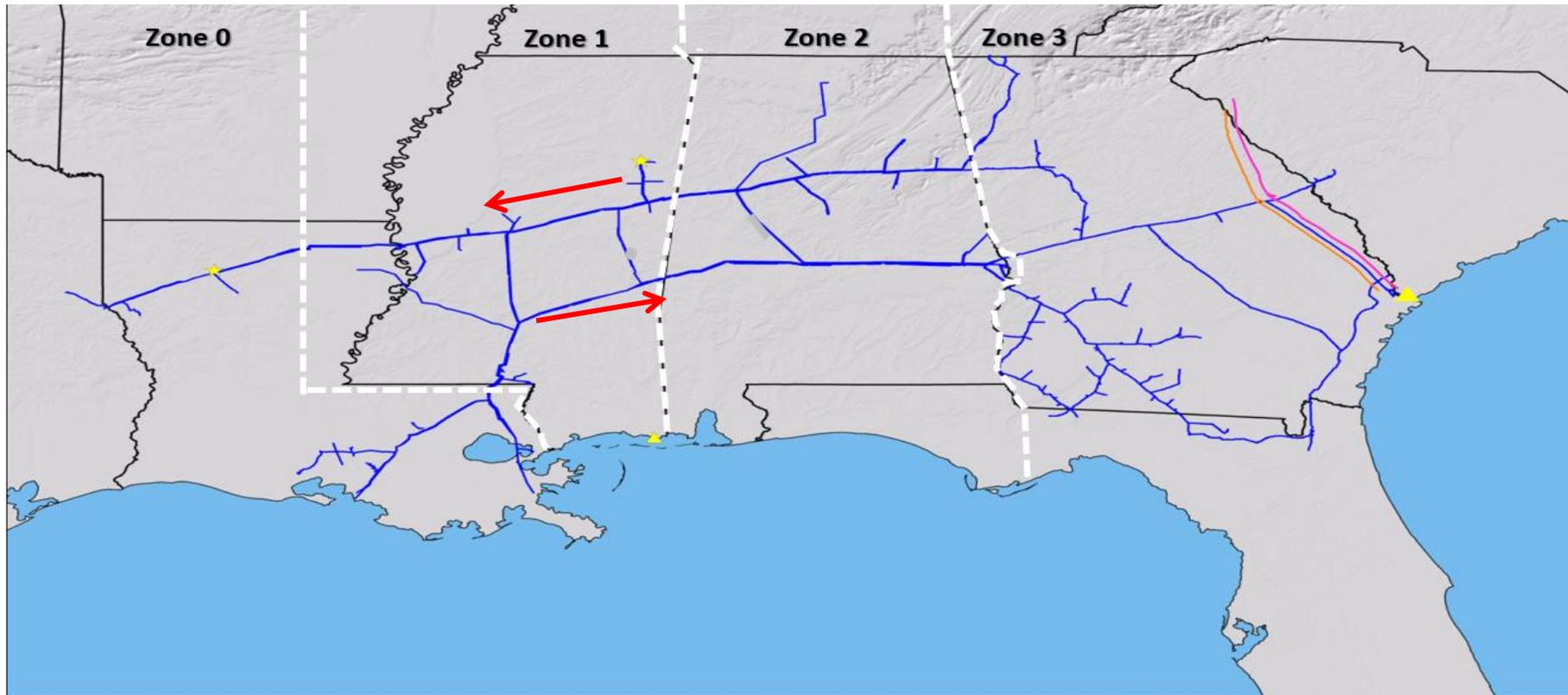
- Term utilized when a shipper redirects a previously scheduled (PS) quantity through a constraint to a new PIN downstream of the constraint
 - Must reduce the PS quantity at a PIN downstream of the constraint that you want to redirect gas from
 - Must be on the same transportation contract that contains the PS and is subject to new constraints that did not exist on previous cycle
 - Previously scheduled quantities are not redirected by changing rank



Segmentation

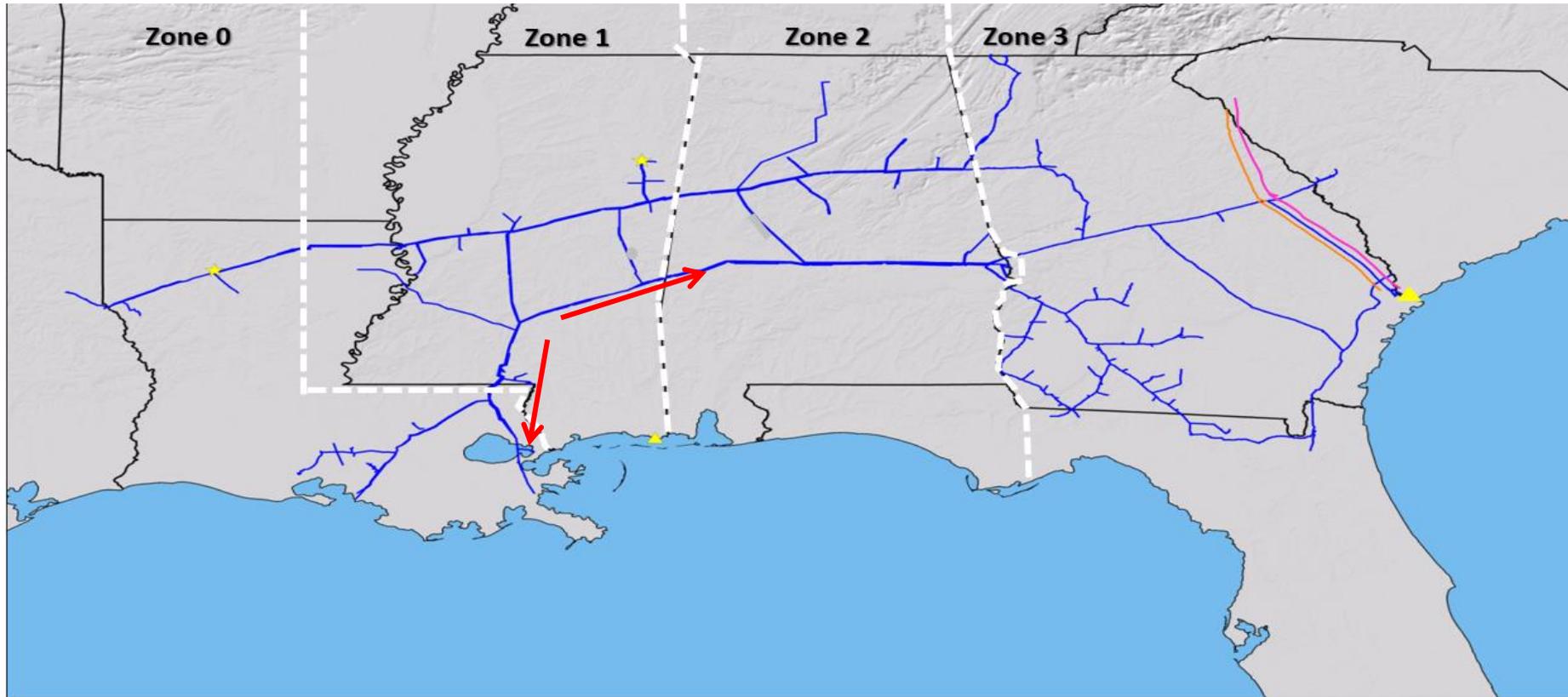
- Segmentation allows a customer to maximize the usage of their individual contract
 - DDS and DRS cannot be used to segment on SNG's system
 - Segmentation can be used on firm and secondary receipt and delivery points, in a shippers' contracted zones
 - Shippers can segment up to the contract MDQ from both FH and BH routes
 - If a nomination that is segmenting between the North and South exceeds the Contract MDQ, then the shipper must nominate AO

Segmentation Examples



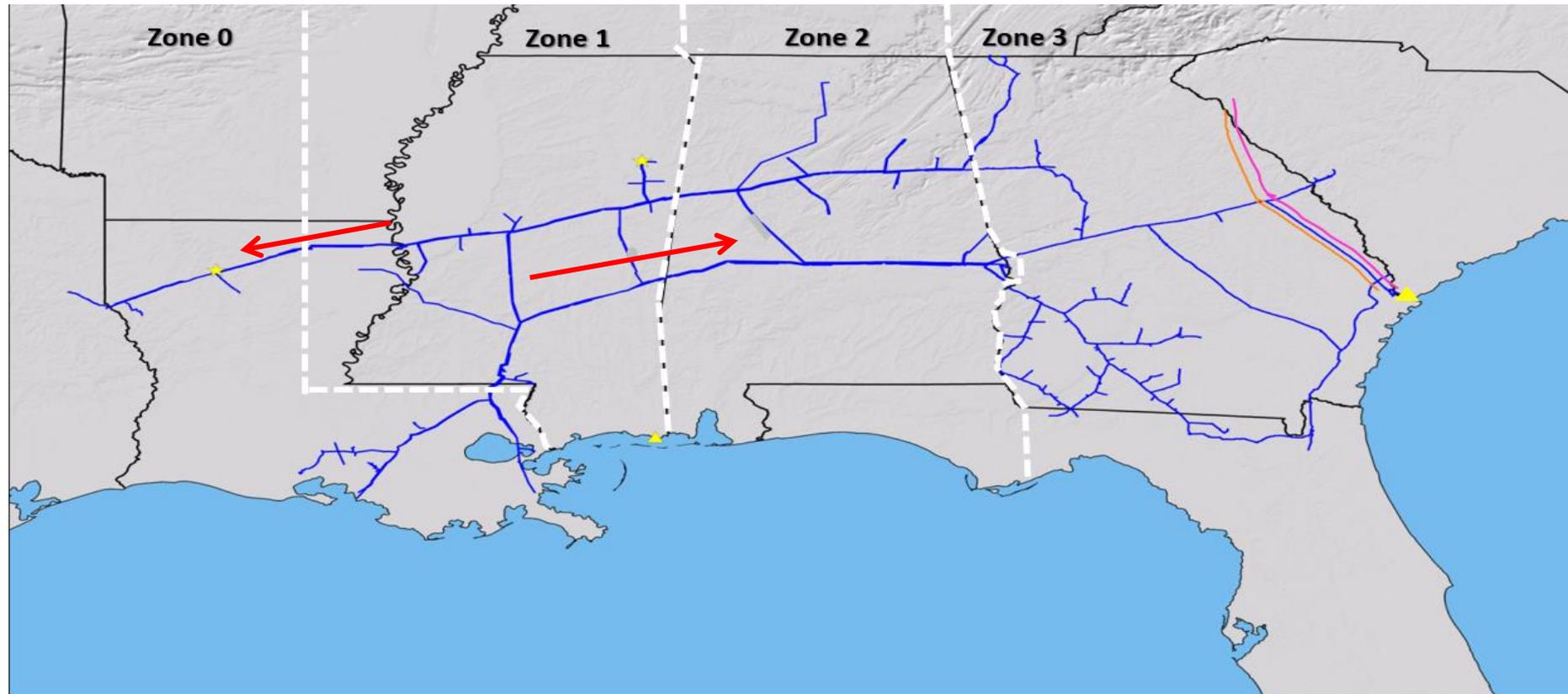
- Invalid: A shipper cannot nominate overlap on both the North and South systems, within the same zone.

Segmentation Examples



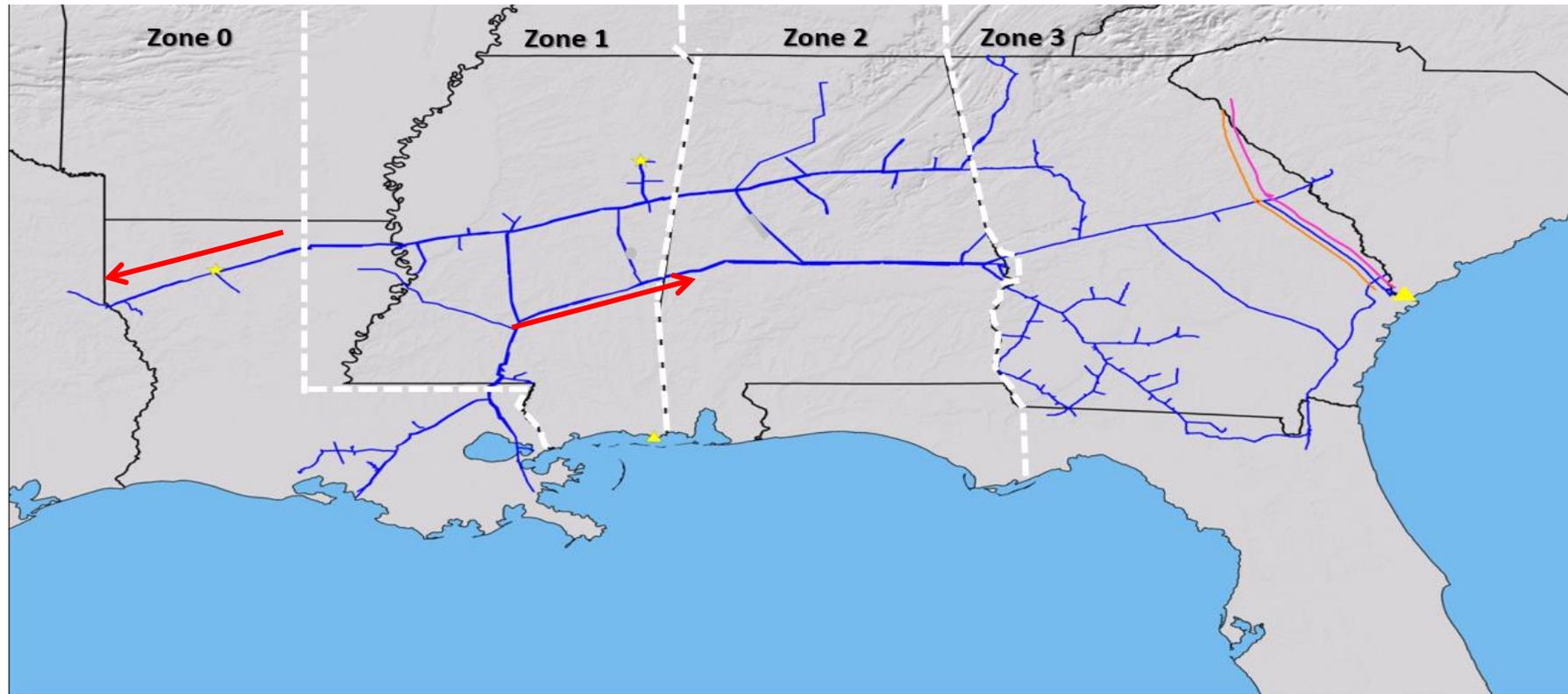
- Valid: Shippers can segment up to the contract MDQ from both FH and BH routes, on the same system (North and South).

Segmentation Examples



- Invalid: To segment on the North and South system; the nomination paths can not exceed the contract MDQ, within the same zone.

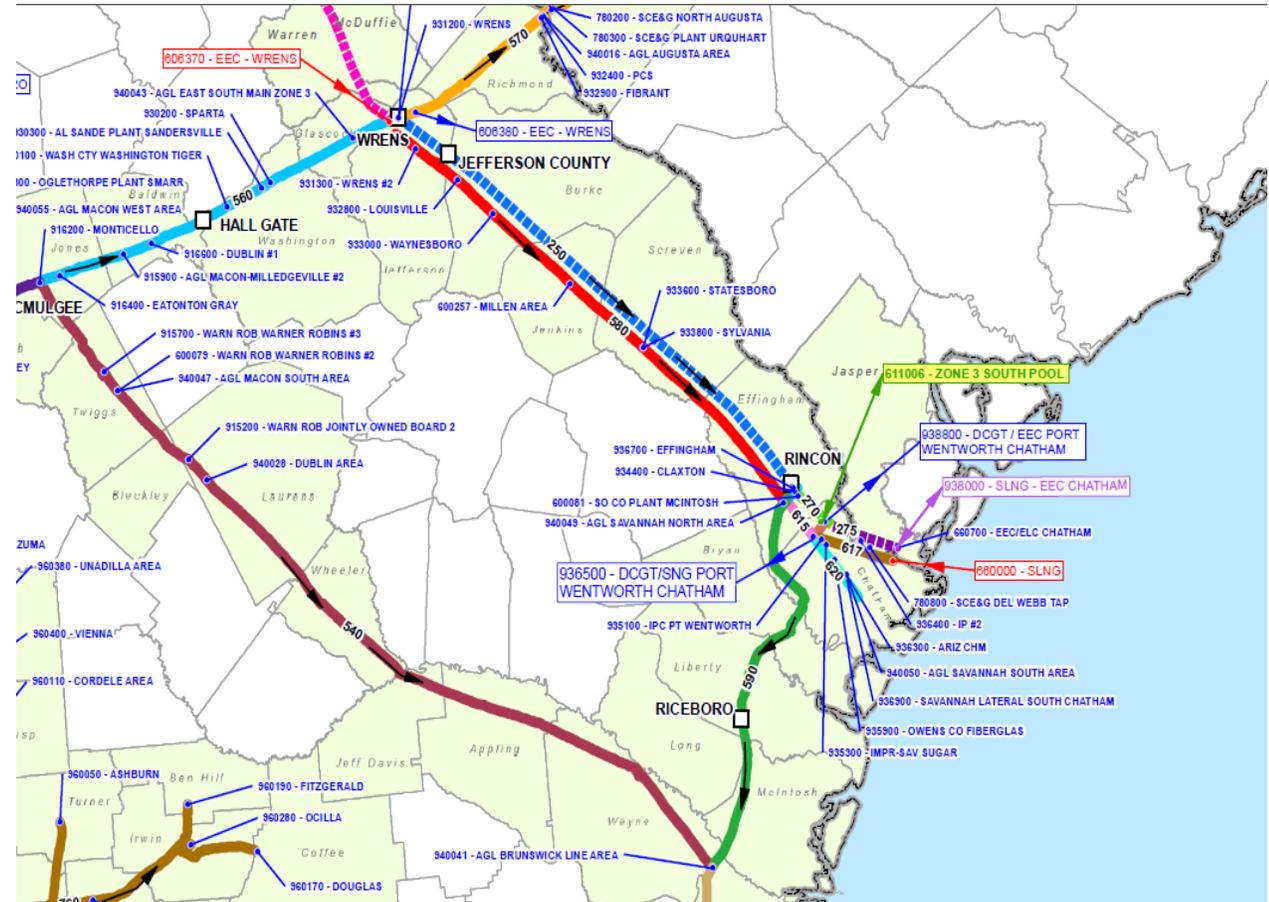
Segmentation Examples



- Valid: To segment on the North and South system; the nomination paths can not exceed the contract MDQ, within the same zone.

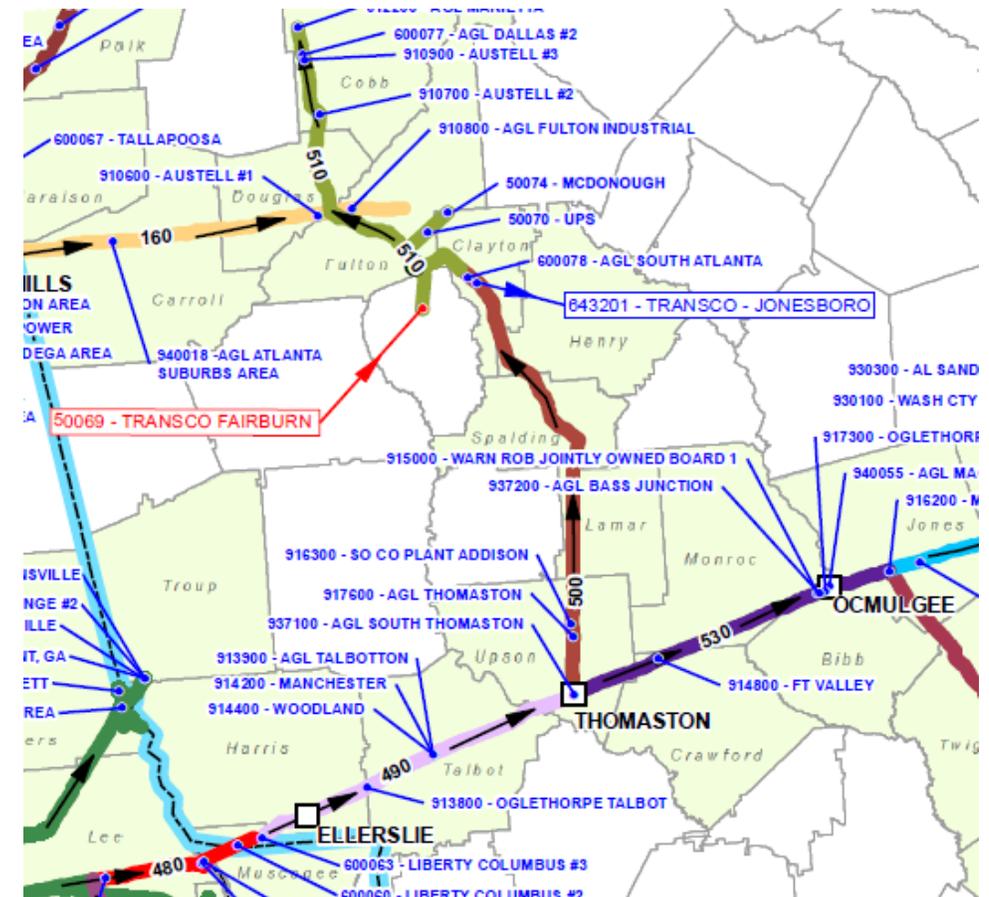
Cypress Route Indicator

- SNG customers have the ability to identify an alternate segment path in Zone 3
- At the time of nomination a shipper can select “Cypress” from the Route Indicator field in the nom matrix



Fairburn Route Indicator

- Transco Fairburn (PIN 50069) is the only receipt PIN on the Fairburn Lateral and primarily flows to the South Mainline
 - Dart's default route is from Seg 510 to the South Mainline and then east or west (and up Seg 400 to the North Mainline)
- An exception route for a limited quantity has also been set up to allow nominations from the Transco-Fairburn interconnect to flow from Seg 510 up to the North Mainline via Seg 160 and then West, ending at Seg 80



SNG Out of Cycle Nomination Policy

- Request must be made and approved prior to 9:00 am and should be made as soon as the need for a change is recognized. The request must be in good faith effort to true up before the gas day ends. Changes to ID3 on an OFO day will be evaluated against system constraints.
- Procedure:
 - Shipper sends out of cycle request to the following:
 - SNGSchedulers@KinderMorgan.com
 - [Maurice HartIII@KinderMorgan.com](mailto:Maurice_HartIII@KinderMorgan.com) ; Gas Control Manager
 - [Katlynn Cornutt@Kindermorgan.com](mailto:Katlynn_Cornutt@Kindermorgan.com) ; Scheduling Manager
 - Shipper must also copy all impacted parties for their approval.
- Once all impacted parties have agreed to the Out-of-Cycle Nomination and once approvals are received SNG will approve or deny the request via email.
- If approved, SNG will coordinate with shipper to enter the retro batch via DART with only the impacted pins.
- SNG reviews all requests in detail and reserves the right to disapprove a submitted Out of Cycle Nomination request that does not meet our pipeline requirements

SNG Retro Procedure

- SNG has established procedures and guidelines to ensure a non-discriminatory policy with respects to Retro Approvals
- Unacceptable reasons for retros:
 - Change of scheduled volumes cannot create/remove a potential penalty charge in an area under an OFO
 - Reallocation of supply and/or market after gas day is complete- these should be requested as out of cycle nominations
 - Increase in nominations through a restricted area
 - Requests that would put any party or meter further out of balance with the pipeline

SNG Retro Procedure

- Procedure:
 - Email SNG Scheduling Rep via SNGSchedulers@kindermorgan.com
 - Email within 7 days of the impacted gas day
 - Email should include: reason for the change and include all relevant information (Date, GID, PIN)
 - The email should also include all counterparty approvals (upstream/downstream)
 - Submit changes for ID3 of the gas day in question in DART
 - SNG will review the request in detail and approve/disapprove
 - SNG reviews all requests in detail and reserves the right to disapprove a submitted retro request that does not meet our pipeline requirements

SNG Customer Working Group

- Purpose: Creates a forum for customer feedback on DART system enhancements and SNG updates
 - Established in April 2016 during the transition from Premier to DART
 - Comprised of 20 companies and 15 internal SNG members; 43 members total
 - Semi-Annual meetings via WebEx and/or Face-to-Face to discuss current business and member's enhancement requests
- 34 enhancements completed since the group's inception and 2 currently in-progress to be completed this year

Questions?

Thank You for Your Business!

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KINDER MORGAN

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Appendix

Nominating Payback from TSP at a Pool

Rec/Del Loc Prop:		Rec/Del Loc Name:		Rec/Del Loc:									
611001		SOUTH LA ZONE 0 POOL											
Batch Id : 651927082		PDA : Default		<input checked="" type="checkbox"/> Counter Prty Nom <input type="checkbox"/> Package ID <input type="checkbox"/> Up Dn Ctrct Id									
Upstream Total : 100		Downstream Total : 100		Variance: Status: Draft									
Note: Fields with labels in Red Italics are ordered pursuant to NAESB 4.3.73 <input type="checkbox"/> Route <input checked="" type="checkbox"/> Show Zeros - Up <input checked="" type="checkbox"/> Show Zeros - Dn													
<input type="checkbox"/> Collapse Upstream Nominations CSS-ISS Trifer													
Vol Type	TT	<i>Svc Req K</i>	Svc Type	<i>Rec Loc Prop/ Up ID Prop</i>	GO	Rec Loc Name/ Up Name	Rec Loc/ Up ID	Rec Qty (Gross)	Fuel %	Fuel Qty	Counter Prty Nom	Del Qty (Net)	Up Rank/ Del Rank
Payback(Imbala	03	460021-POOLSNG	POOL		0			100	0	0		100	0
<input type="checkbox"/> Collapse Downstream Nominations													
Vol Type	TT	<i>Svc Req K</i>	Svc Type	<i>Del Loc Prop/ Dn ID Prop</i>	GO	Del Loc Name/ Dn Name	Del Loc/ Dn ID	Rec Qty (Gross)	Fuel %	Fuel Qty	Counter Prty Nom	Del Qty (Net)	Dn Rank/ Rec Rank
Sell (Current Bu	01			61400	GO	TRNG-SUGAR MAPL	0	100	0	0		100	0

- Payback at the Pool PIN TT 03 (Imbalance Payback from TSP)
 - Select Pooling Contract (only valid contract for this nom)
 - Rec Loc Prop auto populates with Default PIN
- Complete remaining Upstream fields
- Complete remaining Downstream fields
 - In this case we sold the gas at the Pool PIN

Nominating Payback to TSP at a Pool

Rec/Del Loc Prop: 611001	Rec/Del Loc Name: SOUTH LA ZONE 0 POOL	Rec/Del Loc:												
Batch Id : 651927082	PDA : Default	<input checked="" type="checkbox"/> Counter Prty Nom <input type="checkbox"/> Package ID <input type="checkbox"/> Up Dn Ctrct Id												
Upstream Total : 250	Downstream Total : 250	Variance: Status: Draft												
Note: Fields with labels in Red Italics are ordered pursuant to NAESB 4.3.73		<input type="checkbox"/> Route <input checked="" type="checkbox"/> Show Zeros - Dn												
Collapse Upstream Nominations													C55-ISS Trfer	
Vol Type	TT	<i>Svc Req K</i>	Svc Type	<i>Rec Loc Prop/ Up ID Prop</i>	GO	Rec Loc Name/ Up Name	Rec Loc/ Up ID	Rec Qty (Gross)	Fuel %	Fuel Qty	Counter Prty Nom	Del Qty (Net)	Up Rank/ Del Rank	
Buy (Current Bu	01			61300	GO	TRNG-ASH TRANSP.		250	0	0		250	0	
					GO									
					GO									
Collapse Downstream Nominations														
Vol Type	TT	<i>Svc Req K</i>	Svc Type	<i>Del Loc Prop/ Dn ID Prop</i>	GO	Del Loc Name/ Dn Name	Del Loc/ Dn ID	Rec Qty (Gross)	Fuel %	Fuel Qty	Counter Prty Nom	Del Qty (Net)	Dn Rank/ Rec Rank	
Payback (Imbala	04	460021-POOLSNG	POOL		GO			250	0	0		250	0	
					GO									
					GO									

- Payback at the Pool PIN TT 04 (Imbalance Payback to TSP)
 - Select Pooling Contract (only valid contract for this nom)
 - Del Loc Prop auto populates with Default PIN
- Complete remaining Downstream fields
- Complete remaining Upstream fields
 - In this case we bought the gas at the Pool PIN

Nominating Payback from



Southern Natural Gas Company, L.L.C.
a Kinder Morgan operated company

TSP on a Transportation Contract

Batch Locations		NAESB Nomination Matrix										Delete Location	New	Vali
TSP Prop:	3705	TSP Name:	SOUTHERN NATURAL GAS CO.	TSP:	006900518									
Svc Req Prop:	65000	Svc Req Name:	TRNG-LOCUST POWER CO.	Svc Req:	000000000									
Report Date/Time:	8/14/2015 1:42:14 PM	Beg Date:	9/30/2015	Beg Time:	9:00 AM	End Date:	9/30/2015	End Time:	9:00 AM					
Rec/Del Loc Prop:	783600	Rec/Del Loc Name:	CGT/SNG CGT-AIKEN AIKEN	Rec/Del Loc:	624696									
Batch Id:	651927082	PDA:	Default			<input checked="" type="checkbox"/> Counter Prty Nom	<input type="checkbox"/> Package ID	<input checked="" type="checkbox"/> Up Dn Ctrct Id						
Upstream Total : 1,000		Downstream Total :		1,000	Variance:	Status:		Draft		<input checked="" type="checkbox"/> Show Zeros - Up				
Note: Fields with labels in Red Italics are ordered pursuant to NAESB 4.3.73														
<input type="checkbox"/> Collapse														
Upstream Nominations													CSS-ISS Trfer	Chk Inv
Vol Type	TT	Svc Req K	Srv Type	Rec Loc Prop/ Up ID Prop	GO	Rec Loc Name/ Up Name	Rec Loc/ Up ID	Rec Qty (Gross)	Fuel %	Fuel Qty	Counter Prty Nom	Del Qty (Net)	Up Rank/ Del Rank	Up Contract
Payback(Imbala)	03	460012-MFTSNG	MFT	611021	GO	SNG/SNG SNG ZON		1,000	0	0		1,000	0	
					GO									
					GO									
<input type="checkbox"/> Collapse														
Downstream Nominations														
Vol Type	TT	Svc Req K	Srv Type	Del Loc Prop/ Dn ID Prop	GO	Del Loc Name/ Dn Name	Del Loc/ Dn ID	Rec Qty (Gross)	Fuel %	Fuel Qty	Counter Prty Nom	Del Qty (Net)	Dn Rank/ Rec Rank	Dn Contract
Off-system Mark	117	0		61100	GO	TRNG-RIVER BIRCH		1,000	0	0		1000	0	
					GO									
					GO									

- Payback using a Delivery PIN TT 03 (Imbalance Payback from TSP)
 - Select Transportation Contract (only valid contract for this nom)
 - Rec Loc Prop auto populates with Default PIN (SNG Zone 0 South Payback)
 - Uses Zone Capacity from Z0 to Zone of Delivery
- Complete remaining Upstream fields
 - Volume and Rank
- Complete remaining Downstream fields
 - In this case we choose an *Off-system Market@ the Interconnect*

Nominating Payback to TSP on a Transportation Contract

Report Date/Time: 8/14/2015 2:24:45 PM	Beg Date: 9/30/2015	Beg Time: 9:00 AM	End Date: 9/30/2015	End Time: 9:00 AM										
Rec/Del Loc Prop: 604000	Rec/Del Loc Name: ANR/SNG SHADYSIDE SAINT MARY	Rec/Del Loc:												
Batch Id: 651927082	PDA: Default	<input checked="" type="checkbox"/> Counter Prty Nom	<input type="checkbox"/> Package ID	<input checked="" type="checkbox"/> Up Dn Ctrct Id										
Upstream Total: 103	Downstream Total: 103	Variance:	Status: Draft	<input checked="" type="checkbox"/> Show Zeros - Up										
Note: Fields with labels in Red Italics are ordered pursuant to NAESB 4.3.73														
<input type="checkbox"/> Collapse														
Upstream Nominations													CSS-ISS Trfer	Chk Inv
Vol Type	TT	<i>Svc Req K</i>	Svc Type	<i>Rec Loc Prop/ Up ID Prop</i>	GO	Rec Loc Name/ Up Name	Rec Loc/ Up ID	Rec Qty (Gross)	Fuel %	Fuel Qty	Counter Prty Nom	Del Qty (Net)	Up Rank/ Del Rank	Up Contract
Buy (Current Bu)	01			61000	GO	TRNG-CHERRY NAT	6100000	103	0	0		103	0	
					GO									
					GO									
					GO									
<input type="checkbox"/> Collapse														
Downstream Nominations														
Vol Type	TT	<i>Svc Req K</i>	Svc Type	<i>Del Loc Prop/ Dn ID Prop</i>	GO	Del Loc Name/ Dn Name	Del Loc/ Dn ID	Rec Qty (Gross)	Fuel %	Fuel Qty	Counter Prty Nom	Del Qty (Net)	Dn Rank/ Rec Rank	Dn Contract
Payback (Imbala)	04	460012-MFTSNG	MFT	611022	GO	SNG/SNG SNG ZONE 3 SO		103	0.0259	3		100	0	
					GO									
					GO									
					GO									

- Payback using a Receipt PIN TT 04 (Imbalance Payback to TSP)
 - Select Transportation Contract (only valid contract for this nom)
 - Del Loc Prop auto populates with Default PIN (SNG Zone 3 South Payback)
 - Uses Zone Capacity from Rec to Zone 3
- Complete remaining Downstream fields
 - volume and rank
- Complete remaining Upstream fields
 - In this case we have a *Buy* at the interconnect



Imbalance Management & Billing

SNG Shipper Meeting

Birmingham, AL

September 19, 2019



Agenda

- Imbalance Management
 - Imbalance Management Tools
 - Imbalance Resolution Methods
- Billing
 - Cashout Invoicing
 - No-Notice Service
 - Zone Matrix and Maximization



Imbalance Management



Imbalance Management Tools

- SNG/EEC Imbalance Agent Summary Report
 - Navigate in IDart: Flowing Gas → Additional Reports → SNG/EEC/SLNG → SNG/EEC-Imbalance Agent Summary Report (RS)
 - Summary view of imbalance for those users who are Imbalance Aggregation Agent for other entities
- SNG/EEC Shipper Daily Imbalance Report
 - Navigate in IDart: Flowing Gas → Additional Reports → SNG/EEC/SLNG → SNG/EEC-Shipper Daily Imbalance Report (RS)
 - Daily view of Scheduled and Allocated Receipts and Deliveries, Fuel and Net Imbalance



Imbalance Management Tools

- Contractual Imbalance Window
 - Navigate in IDart: Flowing Gas → Imbalance → Contractual Imbalance
 - Summary or detailed view of an imbalance by Imbalance Aggregation Agent, Shipper (GID), Location, Day or Contract
- Shipper Imbalance/Transportation Contract Summary Window
 - Navigate in IDart: Flowing Gas → Imbalance → Shipper Imbalance/Trans Contract Summary
 - Summary view of Allocated Receipts and Deliveries, Fuel and Net Imbalance
 - Real time quantities and imbalances are shown for a single shipper
 - Available to drill down to PIN and PPA detail



Imbalance Resolution Methods



Methods to Resolve Imbalances

- Payback During the Current Month
- Storage on SNG
- Off-System Storage
- Trades
- Park and Loan (PAL)
- Cashout

Using Storage on SNG to Resolve Imbalances

- Settle to/from shipper's CSS or ISS account or third-party's CSS or ISS account
 - Navigate in IDart: Flowing Gas → Imbal Trd (and Stor Trans) → Elections
 - Third-party offsets require confirmation from storage holder
 - Final deadline is 17 business days at 5:00 p.m. CCT
 - Results of election are applied to storage account based on when the election is received
 - Period 1 (around 9th of month) or Period 2 (day after trading deadline)



NetIDart (SQLSTQA) - [Elections [SNG]; 08/22/2019 10:58:14]

File View Window Help

Navigation Panel

- Favorites
- Nominations
- Flowing Gas
 - Pre-determined Allocation (PDA)
 - Allocation
 - Imbalance
 - Measurement
 - Storage Information
 - Imbal Trd (and Stor Trans)
 - Auth to Post Imbal
 - Post Imbal Dwnld
 - Imbal Trd (Stor Transfer)
 - Elections**
 - Additional Reports
- Invoicing
- Capacity Release
- Contracts
- Service Request
- Agency
- Preferences
- EDI
- Misc
- Security Administration
- Change Password
- Kinder Hawk
- Logout
- Informational Postings
- Site Map

TSP Prop : 3705 TSP Name: SOUTHERN NATURAL GAS CO. TSP : 6900518 Retrieve

Election Start Date : 07/2019 End Date : 07/2019 Confirm

- Add Item
- Change Item
- Terminate Item
- Reject
- Withdraw
- Print
- Save As
- Add to Favorites
- Remove from Favorites



NetIDart (SQLSTQA) - [Elections [SNG]: 08/22/2019 10:58:14]

File View Window Help

Navigation Panel

- Favorites
- Nominations
- Flowing Gas
 - Pre-determined Allocation (PDA)
 - Allocation
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 - Storage Information
 - Imbal Trd (and Stor Trans)
 - Auth to Post Imbal
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TSP Prop : 3705 TSP Name: SOUTHERN NATURAL GAS CO. TSP : 6900518 Retrieve

Election Start Date : 07/2019 End Date : 07/2019 Confirm

Add/Modify Save Close

Election Customer

SVC Req Name (Svc Req) :

Storage Holder

SVC Reg Name (Svc Req):

Election Period

Beg Flow Date: 07/01/2019 End Flow Date: 07/31/2019

Election Type

Percentage of Imbal :

Dth

Prior Period Imbalance

Don't Offset

Offset

Last Modified By:

Message:

Using Off-System Storage to Resolve Imbalances

- Storage facility must be directly connected to SNG, e.g., Petal/Gulf South, Leaf River, MS Hub, and agree to transfer
- Manual process outside of DART; forms available on EBB
 - Select “Customer Information”, then “Forms”
- Settle to/from own account or third-party account with confirmation
- Capped at the portion of Shipper’s imbalance that is $\leq 5\%$ Net Imbalance Percentage
- SNG and Third-Party Storage Operator will agree on transfer schedule and shipper must nominate to effectuate the inventory transfer

Using Trades to Resolve Imbalances

- Imbalances may be traded with another shipper who has an imbalance
 - in the opposite direction, or
 - in the same direction
- Process
 - Navigate in IDart: Flowing Gas → Imbal Trd (and Stor Trans) → Imbal Trd (Stor Transfer)
 - No longer mandatory to post imbalance for trade



NetIDart (SQLSTQA) - [Imbal Trd (Stor Transfer) [SNG]; 08/22/2019 12:06:15]

File View Window Help

Navigation: <Select a navigable window> Actions: <Select an action item>

Navigation Panel

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 - Pre-determined Allocation (PDA)
 - Allocation
 - Imbalance
 - Measurement
 - Storage Information
 - Imbal Trd (and Stor Trans)
 - Auth to Post Imbal
 - Post Imbal Dwnld
 - Imbal Trd (Stor Transfer)**
 - Flactions
 - Additional Reports
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NAESB Imbalance Trade(Storage Transfer)

TSP Prop : 3705 TSP Name: SOUTHERN NATURAL GAS CO. TSP : 6900518

Imbalance Period (Statement Date) : 07/2019 Select Trade or Transfer : Trades and Transfer

- New Trade/Transfer
- Edit Trade/Transfer
- Confirm
- Submit
- Reject
- Withdraw
- Retrieve
- WVRV2087 - Post Imbal Dwnld
- WVRV2086 - Details
- Print
- Save As
- Add to Favorites
- Remove from Favorites



- Favorites
- Nominations
- Flowing Gas
 - Pre-determined Allocation (POA)
 - Allocation
 - Imbalance
 - Measurement
 - Storage Information
 - Imbal Trd (and Stor Trans)
 - Auth to Post Imbal
 - Post Imbal Dwnld
 - Imbal Trd (Stor Transfer)
 - Elections
- Additional Reports
- Invoicing
- Capacity Release
- Contracts
- Service Request
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- EDI
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NAESB Request for Imbalance Trade/Confirmation and Imbalance Trade Notification (and Storage Transfers)

TSP Prop : 3705 TSP Name: SOUTHERN NATURAL GAS CO. TSP : 6900518 OIA : SVG

Imbalance Trade / Storage Transfer Info

Imb Type - Init Trdr (Storage Transfer):

K-Init Trdr (Initiating Trdr/Transferor Ctrct):

Loc-Init Trdr Prop (Initiating Trdr/Transferor Storage Loc):

K-Conf Trdr (Confirming Trdr/Transferee Ctrct):

Loc-Conf Trdr Prop (Confirming Trdr/Transferee Storage):

Loc-Conf Trdr Name: Loc-Conf Trdr:

- Svc Req to Svc Req (Contract to Contract)
- Svc Req to Svc Req (Shipper to Shipper)**
- Svc Req/Svc Req/Loc to Svc Req/Svc Req/Loc (Storage Transfer)
- Svc Req/Svc Req/Loc to Svc Req/Svc Req/Loc (Storage Transfer TSP to TSP)



Imbalance Trade / Storage Transfer - Initiator (Initiating Trdr/Transferor Info)

K Holder - Init Trdr Prop (Initiating Trdr/Transferor ID): K Holder-Init Trdr Name: K Holder - Init Trdr:

Init Trdr Prop (Initiating Trdr/Transferor Agent's Id): Init Trdr Name: Init Trdr:

Init Trdr Contact: Init Trdr Phone: Init Trdr E-mail:

Imbl Per-Init Trdr (Stmt Date): Flow Period-Initiating Trader (Prod Date):

Imbalance Trade / Storage Transfer - Confirmer (Confirming Trdr/Transferee Info)

K Holder -Conf Trdr Prop (Confirming Trdr/Transferee ID): K Holder-Conf Trdr Name: K Holder-Conf Trdr:

Conf Trdr Prop (Confirming Trdr/Transferee Agent's Id): Conf Trdr Name: Conf Trdr:

Conf Trdr Contact: Conf Trdr Phone: Conf Trdr E-mail:

Imbl Per-Conf Trdr (Stmt Date): Flow Period-Confirming Trader (Prod Date):

Imbalance Trade / Storage Transfer Quantity and Direction

Trd Qty Req (Trdr/Transfer Quantity):

Status: Submitted Date:

Imb Trd Dir Desc (Trade/Transfer Direction):
 From Init Trdr (Qty coming from Init Trdr)
 To Init Trdr (Qty going to Init Trdr)

Error/Warnings: No Errors

Upon successful confirmation of your storage transfer, please notify your Account Director for pipeline analysis.



Using PAL to Resolve Imbalances

PAL is an **interruptible** linepack service

- A source or disposition of gas on a nomination
- Can be set up at any physical or pool PIN
- Contact Asset Optimization to initiate service
 - Brenden_Marquardt@kindermorgan.com; ice: bmarquardt
 - Phone #: 713-420-2109 or 713-420-4135



Example of Park and Loan Offset

- Shipper has short imbalance for previous month; cashout is not desirable this month and prefers to pay back in kind next month
- Shipper requests loan to clear imbalance
- SNG determines it has linepack available for loan
- Shipper and SNG mutually agree on payback dates and a rate
- Loan contract is executed
- SNG clears imbalance with loan
- Shipper nominates loan payback at the mutually agreed upon time



Using Cashout to Resolve Imbalances

- Any imbalance not resolved using one of the previous settlement options will be cashed out
- The current production month's invoice packet will contain a detailed Preliminary Cashout Calculation Report
- The following month's invoice packet includes the resolution verification on the Transport Contract Volume Statement-Summary (Dth) report. Cashout charges/credits are also invoiced, if applicable.



Cashout Invoicing

Cashout Procedure

- For Transportation/Pooling agreements, any imbalance not resolved using one of the previous settlement options will be cashed out
 - When the System Imbalance is under 100,000 Dth long or 200,000 Dth short, all imbalances are cashed out at 100% of the index average
 - Shipper imbalances less than or equal to 5,000 Dth prior to storage offsets or imbalance trades are cashed out at 100% of index average
 - Shipper imbalances in opposite direction (minority shipper) as the system imbalance are cashed out at 100% of the index average



Cashout Procedure

- Shipper imbalances in same direction (majority shipper) as the system imbalance are cashed out at a percentage of the High or Low price depending on system imbalance direction
 - System Short – short imbalances cashed out on a percentage of highest price used in calculating index average
 - System Long – long imbalances cashed out on a percentage of lowest price used in calculating index average

Cashout Procedure

- If imbalance percentage (imbalance divided by lower of net receipts or deliveries) exceeds 5%, imbalances are subject to tiered cashout pricing for the weighted portion of imbalance above tolerance
- Applicable imbalance percentage is based on the lower of (a) actual imbalance percentage calculated after trades and storage offsets or (b) estimated imbalance percentage as of the end of month



Cashout Price Determination

- The cashout price for Southern Natural is an average of monthly and weekly prices from two industry publications
 - “Inside F.E.R.C.’s Gas Market Report”
 - “Natural Gas Intelligence Weekly Gas Price Index”*

*When the first weekly NGI publication does not include bidweek dates, the NGI Bidweek Price Survey is used.

- The number of prices used each month depends on the number of publications each month
 - Two prices from Inside FERC (current and following month)
 - Five or Six Prices from NGI (current and first of following month)



Cashout Price Determination

Sample Calculation

<u>Publication</u>	<u>Publication Date</u>	<u>Price</u>
Inside FERC	Current Month	\$ 2.74
Natural Gas Intelligence	Week 1	\$ 2.750
Natural Gas Intelligence	Week 2	\$ 2.710
Natural Gas Intelligence	Week 3	\$ 2.760
Natural Gas Intelligence	Week 4	\$ 2.795
Inside FERC	Following Month	\$ 2.83
Natural Gas Intelligence	First of Following Month	\$ 2.845
Average		\$2.78



Cashout Price Tiers

<u>Imbalance Tier</u>	<u>Imbalance Short*</u> <u>Percentage of</u> <u>High Price</u>	<u>Imbalance Long **</u> <u>Percentage of</u> <u>Low Price</u>
0 - 5%	100%	100%
> 5 - 10%	115%	85%
>10 - 15%	125%	75%
>15 - 20%	140%	60%
>20%	150%	50%

* System Imbalance Short

** System Imbalance Long

Shipper and System Imbalance are both long. System Test is not met. Lowest price will be applied.
 Estimated Imbalance % is lower and used to determine tiering.



Inv ID: 0000000000SNG00
 Payee Name: SOUTHERN NATURAL GAS COMPANY,
 Billable Party Name: ABC ENERGY CORPORATION
 Contact Name: DORIS TATE
 Acct Dir: JERRY NELSON
 Doc Desc: Preliminary Cashout Calculation Report

Acct Per: 07/01/2019
 Payee Prop: 3705
 Bill Pty Prop: 0000
 Contact Phone: (205) 325-3846
 Phone No: (205) 325-7257

Invoice Date: 08/09/2019
 Payee: 0000000
 Bill Pty: 0000000
 Inv Gen Date: 8/9/2019 4:15:12PM

A. Rates:

Index Price	High Price	Low Price
\$2.78	\$2.845	\$2.710

B. Net System Imbalance:

System Test Met	Imbalance Direction
No	Long

C. Imbalance Percentage:

Type	Net Receipts	Deliveries	Storage Injection	Storage Withdrawl	Remaining Imbalance	Cashout %	Third Party Volumes	Pool Exclusion
Estimated Imbalance %	310,100	285,152	0	0	24,049	8.43374%	0	0
Actual Imbalance %	311,438	286,150	0	0	25,288	8.83732%	0	0

D. Cashout Tier:

Tier	Factor	Cashout Qty	Applicable Price Index	Cashout %	Cashout Price	Cashout Amount
0 - 2 %	0.23714	(5,997)	\$2.710	100%	\$2.710	\$(16,251.87)
> 2 - 5 %	0.35571	(8,995)	\$2.710	100%	\$2.710	\$(24,376.45)
> 5 - 10 %	0.40715	(10,296)	\$2.710	85%	\$2.304	\$(23,721.98)
Total		(25,288)				\$(64,350.30)

E. Contract Imbalance:

Shipper	Contract ID	Net Receipts	Deliveries	Imbalances (R-D) Shipper/(Pipeline)	Related Pool Transactions	
					Receipts	Deliveries
ABC ENERGY CORPORATION	999501-MFNSNG	1,437	134,385	(132,948)	0	0
ABC ENERGY CORPORATION	999502-MFTSNG	310,001	151,765	158,236	0	0
Total		311,438	286,150		Total	0
Less Pool Transaction		0	0			
Net		<u>311,438</u>	<u>286,150</u>	<u>25,288</u>		

Shipper Imbalance is under 5,000 dth. Index price will be applied.



Southern Natural Gas Company, L.L.C.
a Kinder Morgan operated company

Inv ID: 0000000000SNG00
 Payee Name: SOUTHERN NATURAL GAS COMPANY,
 Billable Party Name: XYZ GAS SYSTEM
 Contact Name: DORIS TATE
 Acct Dir: WALTER COE JR
 Doc Desc: Preliminary Cashout Calculation Report

Acct Per: 07/01/2019
 Payee Prop: 3705
 Bill Pty Prop: 0000
 Contact Phone: (205) 325-3846
 Phone No: (205) 325-3708

Invoice Date: 08/09/2019
 Payee: 0000000
 Bill Pty: 000000000
 Inv Gen Date: 8/9/2019 3:42:56PM

A. Rates:

Index Price	High Price	Low Price
\$2.78	\$2.845	\$2.710

B. Net System Imbalance:

System Test Met	Imbalance Direction
No	Long

C. Imbalance Percentage:

Type	Net Receipts	Deliveries	Storage Injection	Storage Withdrawl	Remaining Imbalance	Cashout %	Third Party Volumes	Pool Exclusion
Estimated Imbalance %	194,473	196,973	0	0	(2,500)	1.28553%	0	0
Actual Imbalance %	194,473	196,973	0	0	(2,500)	1.28553%	0	0

D. Cashout Tier:

Tier	Factor	Cashout Qty	Applicable Price Index	Cashout %	Cashout Price	Cashout Amount
0 - 2 %	1.00000	2,500	\$2.78	100%	\$2.78	\$6,950.00
Total		2,500				\$6,950.00

E. Contract Imbalance:

Shipper	Contract ID	Net Receipts	Deliveries	Imbalances (R-D) Shipper/(Pipeline)	Related Pool Transactions	
					Receipts	Deliveries
XYZ GAS SYSTEM	999701-MFNSNG	5,456	20,459	(15,003)	0	0
XYZ GAS SYSTEM	999702-MFTSNG	189,017	176,514	12,503	0	0
Total		194,473	196,973		Total 0	0
Less Pool Transaction		0	0			
Net		<u>194,473</u>	<u>196,973</u>	<u>(2,500)</u>		



Viewing No-Notice Activity and Storage Information



NetIDart (SQLLTQA)

File View Window Help

Navigation Panel

- Favorites
- Nominations
- Flowing Gas
 - Pre-determined Allocation (PDA)
 - Allocation
 - Allocation Location
 - Daily PDA Method Report
 - Loc Opr Alloc Report - Prod Month
 - Producer Report - Scheduled & All
 - Service Requester Contract Allocati
 - TCP - Supply Aggregation Balancin
 - SNG - No Notice Allocation**
 - Imbalance
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File View Window Help



Navigation: <No navigable windows available>

Actions: <Select an action item>

Navigation Panel

NAESB Storage Information **SNG - No Notice Allocated**

Pipeline: 3705 - SOUTHERN NATURAL GAS CO.

Svc Req:

Eff Start Date: 01/16/2019

Eff End Date: 01/19/2019

Loc Prop:

Retrieve

Clear

Gas Flow Date	Svc Req	Sched Qty	Alloc Qty	Diff Qty	Cust NN W/D Qty	Cust NN Inj Qty	Oper NN Inj Qty
		1,250,474	1,093,408	157,066	36,540	105,518	0
01/16/2019		127,044	127,044	0	0	0	0
01/16/2019		735	735	0	0	0	0
01/16/2019		0	0	0	0	0	0
01/16/2019		21,000	21,000	0	0	0	0
01/16/2019		125,084	125,084	0	33,565	0	0
01/16/2019		30,630	30,630	0	0	0	0
01/17/2019		127,044	127,044	0	0	0	0
01/17/2019		735	735	0	0	0	0
01/17/2019		0	0	0	0	0	0
01/17/2019		21,000	21,000	0	0	0	0
01/17/2019		122,983	122,983	0	2,975	0	0
01/17/2019		30,630	30,630	0	0	0	0
01/18/2019		127,044	127,044	0	0	0	0
01/18/2019		735	735	0	0	0	0
01/18/2019		0	0	0	0	0	0
01/18/2019		20,000	20,000	0	0	0	0
01/18/2019		162,788	40,048	122,740	0	71,192	0
01/18/2019		30,630	30,630	0	0	0	0
01/19/2019		127,044	127,044	0	0	0	0
01/19/2019		735	735	0	0	0	0
01/19/2019		0	0	0	0	0	0
01/19/2019		21,000	21,000	0	0	0	0
01/19/2019		122,983	88,657	34,326	0	34,326	0
01/19/2019		30,630	30,630	0	0	0	0



NetIDart (SQLLTQA)

File View Window Help

Navigation Panel

- Favorites
- Nominations
- Flowing Gas
 - Pre-determined Allocation (PDA)
 - Allocation
 - Imbalance
 - Measurement
 - Storage Information
 - NAESB Storage Information**
 - TGP - Storage Balance Detail - PPA
 - TGP - Storage Fuel Retained Detail
 - CIG-Storage Service Inventory vs.
 - CIG - Qualifying Southern System
 - CIG/YGS/KGS - Storage Quantity V
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NAESB Storage Information

TSP Prop:	3705	TSP Name:	SOUTHERN NATURAL GAS CO.	TSP:	6900518	Generate EDI	Clear	Retrieve	Print/Export
Contact Name:	Scheduling Hotline	Contact Phone:	(713) 420-7213						
Svc Req Prop:		Svc Req Name:		Svc Req:					
Statement Date/Time:	8/19/2019 3:05:50 PM	Beg Date:	1/16/2019	End Date:	1/19/2019	Report Type:	RTA		
Svc Req K:		Ctrct Type:	SFO	Stor Rate Sch:	MCSS				

Contract Effective From	Contract Effective Thru	Maximum Available Daily Injection Qty (MDIQ)	Maximum Available Daily Withdrawal Qty (MDQ)	Maximum Storage Quantity (MSQ)	% MSQ	DIQ	DWQ
01/16/2019	01/16/2019	87,891	230,714	10,725,820	79	71,192	230,714
01/17/2019	01/17/2019	87,891	230,714	10,725,820	79	71,192	230,714

Beg Date	End Dat	Beginning Balance	TT Desc: Storage Injection Qty	Un-nominated Injection Qty	Fuel Qty	TT Desc: Storage Withdrawal Qty	Un-nominated Withdrawal Qty	Current Month Balanc	TT Desc: Netting Inject Qty	TT Desc: Netting Withd Qty	TT Desc: Stor Inventory Tra Qty	Ending Storage Balance
		8,514,092	0	105,518	(767)	40,181	(36,887)	8,541,775	0	0	0	8,541,775
01/16/2019	01/16/2019	8,514,092	0	0	(254)	0	(33,884)	8,479,954	0	0	0	8,479,954
01/17/2019	01/17/2019	8,479,954	0	0	(23)	0	(3,003)	8,476,928	0	0	0	8,476,928
01/18/2019	01/18/2019	8,476,928	0	71,192	(233)	40,181	0	8,507,706	0	0	0	8,507,706
01/19/2019	01/19/2019	8,507,706	0	34,326	(257)	0	0	8,541,775	0	0	0	8,541,775

NAESB Storage Information (WIVL2031):

Gas Day 1/18 has a Scheduled Withdrawal of 40,181 Dth and No-Notice Injection of 71,192 Dth. Fuel is calculated on the net 31,011 Dth X .0075 = (233) Dth



NetIDart (SQLLTQA)

File View Window Help

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File View Window Help

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NAESB Storage Information SNG - No Notice Allocation **Contract Volumes - WT**

Pipeline: 3705 - SOUTHERN NATURAL GAS CO.

Customer: [Redacted] Flow Date: 1/18/2019 Thru: 1/18/2019

Clear Retrieve

Ctrct ID	Ctrct Type	Srvc Type	Vol Type	Rcpt Alloc Dth	Stor Ind	Adj (Fuel)	Del Alloc Dth	Stor Ind	Stor Transfer	Net Activity
				236,625		(2,655)	151,422			
	-MFNS	TFO	MFN	No-Notice Se	0	669	71,192		0	(70,523)
	-MFNS	TFO	MFN	Transport (C	123,863	(2,359)	29,932		0	91,572
	-MFTS	TFO	MFT	Transport (C	41,570	(732)	10,117		0	30,721
	-MCSS	SFO	MCSS	STORAGE	71,192	(233)	40,181	W	0	30,778

All Contracts (WIVL5010):

This screen shows the Transport Fuel Credit of 669 Dth (71,192 X (2.72%-1.78%))



Zone Matrix and Maximization

Zone Matrix

- Receipts and Deliveries allocated to IT Service are matched together
- Receipts and Deliveries to all Firm Services are matched together in service type order: AO, UAO, FT and FTNN
 - Within each category SNG shall match:
 - Intrazone - receipts matched to deliveries in same zone
 - Forward Haul – based on lowest to highest tariff rate
 - Backward Haul – based on lowest to highest tariff rate

Zone Matrix (cont'd)

- Current Zone Matrix Order:

Southern Natural Gas Company							
Zone Matrix Pathing							
Settlement Rates							
Effective September 2019							
Master Firm Services				Master IT & Overrun			
Current				Current			
Commodity				Commodity			
Zone Matrix Type	Rec Zone	Del Zone	Rates - Dth	Rec Zone	Del Zone	Rates - Dth	
Intra-Zone		1	1	0.025	1	1	0.096
		3	3	0.029	3	3	0.165
		2	2	0.033	2	2	0.176
		0	0	0.035	0	0	0.196
Forward Haul		1	2	0.037	1	2	0.198
		0	1	0.039	0	1	0.220
		2	3	0.040	2	3	0.270
		1	3	0.043	1	3	0.293
		0	2	0.050	0	2	0.322
		0	3	0.056	0	3	0.416
Reverse Path		3	1	0.025	3	1	0.096
		2	1	0.025	2	1	0.096
		3	2	0.033	3	2	0.176
		3	0	0.035	3	0	0.196
		2	0	0.035	2	0	0.196
		1	0	0.035	1	0	0.196



PREP. ID PROP: 3705 BEGIN FLOW DATE: 01/18/2019
 PREP DATE/TIME: 8/29/2019, 3:18 pm END FLOW DATE: 01/18/2019
 SVC. REQ. NAME: ██████████ WCRV4013
 SVC. REQ. PROP/SVC. REQ.: █████ █████

Deliveries by Service Type & Zone of Delivery

Contract Nbr / Volume Type	Zone 0	Zone 1	Zone 2	Zone 3	Total
██████ MFNSNG	964	0	0	77,025	77,989
██████ MFTSNG	24,346	737	0	158,477	183,560
██████ MFTSNG / UAO	0	→ 35	0	→ 1,648	1,683
██████ MFTESNG	0	0	0	6,840	6,840
TOTAL:	25,310	772	0	243,990	270,072

Receipts by Service Type & Zone of Receipt

Contract Nbr / Volume Type	Zone 0	Zone 1	Zone 2	Zone 3	Total
██████ MFNSNG	79,284	750	0	0	80,034
██████ MFTSNG	167,447	4,968	0	26,805	199,220
██████ MFTSNG / UAO	0	0	0	0	0
██████ MFTESNG	0	0	0	7,362	7,362
TOTAL:	246,731	5,718	0	34,167	286,616

Zone Pathing by Service Type Prior to Maximization

	RecZone	DelZone	Qty
██████ MFNSNG	0	0	964
	0	3	77,025
			77,989
██████ MFTSNG	0	0	24,346
	0	3	122,562
	1	1	737
	1	3	4,741
	3	3	31,174
			183,560
██████ MFTSNG / UAO	1	1	35
	3	3	1,648
			1,683
██████ MFTESNG	0	3	5,290
	1	3	205
	3	3	1,345
			6,840
TOTAL			270,072

Maximization

- Maximization is the reallocation of shipper's overrun (AO and UAO) and IT delivered quantities to their firm reservation capacity within a zone
 - This process occurs after allocations at all PINs and zone matrix has been applied
 - Small Shipper MFTS and MFNS are not maximized
 - Volumetric Capacity Release is not maximized

Maximization (cont'd)

- Current Maximization Order:

Southern Natural Gas Company								
Maximization Order								
Settlement Rates								
Effective September 2019								
Master Firm Services				Master IT & Overrun				
Current				Current				
Zone Matrix	Rec Zone	Del Zone	Commodity	Rec Zone	Del Zone	Commodity		
Type			Rates - Dth			Rates - Dth		
Forward Haul		0	3	0.056		0	3	0.416
		0	2	0.050		0	2	0.322
		1	3	0.043		1	3	0.293
		2	3	0.040		2	3	0.270
		0	1	0.039		0	1	0.220
		1	2	0.037		1	2	0.198
Intra-Zone		0	0	0.035		0	0	0.196
		2	2	0.003		2	2	0.176
		3	3	0.029		3	3	0.165
		1	1	0.025		1	1	0.096
Reverse Path		1	0	0.003		1	0	0.196
		2	0	0.025		2	0	0.196
		3	0	0.033		3	0	0.196
		3	2	0.035		3	2	0.176
		2	1	0.035		2	1	0.096
		3	1	0.035		3	1	0.096



PREP. ID PROP: 3705
 PREP DATE/TIME: 8/29/2019, 3:32 pm
 SVC. REQ. NAME: [REDACTED]
 SVC. REQ. PROP/SVC. REQ.: [REDACTED]

BEGIN FLOW DATE: 1/18/2019
 END FLOW DATE: 1/18/2019
 WCRV4014

ALLOCATION OF AVAILABLE CAPACITY (MAXIMIZATION)

MFTE - [REDACTED] MFTESNG	Zone 0	Zone1	Zone 2	Zone 3
Reservation Capacity	1,468	1,468	1,468	1,468
Contract Utilization	0	0	0	0
Available Capacity for Maximization	1,468	1,468	1,468	1,468
Remaining Capacity:	1,468	1,468	1,468	1,468

MFTE - [REDACTED] MFTESNG	Zone 0	Zone1	Zone 2	Zone 3
Reservation Capacity	56,485	56,485	56,485	56,485
Contract Utilization	0	0	0	(6,840)
Available Capacity for Maximization	56,485	56,485	56,485	49,645
Reallocation - [REDACTED] MFTSNG / UAO	0	→ (35)	0	0
Reallocation - [REDACTED] MFTSNG / UAO	0	0	0	→ (1,648)
Remaining Capacity:	56,485	56,450	56,485	47,997

FINAL ZONE MATRIX AFTER MAXIMIZATION - TRANSPORT COMMODITY

Contract Nbr / Volume Type	Receipt Zone	Delivery Zone	Quantity
[REDACTED] MFTESNG	0	3	5,290
	1	3	205
	1	1	35
	3	3	2,993
			<hr/> 8,523
[REDACTED] MFTSNG	0	3	122,562
	1	3	4,741
	0	0	24,346
	1	1	737
	3	3	31,174
			<hr/> 183,560
[REDACTED] MFNSNG	0	3	77,025
	0	0	964
			<hr/> 77,989
Total:			<hr/> 270,072



NetIDart (SQLTQA)

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 - Imbal Calc Operational and Actual %
 - All Contracts
 - Buy/Sell Activity
 - CIG NNT/TSB Calculations
 - Company Point Activity
 - Company Point Activity Report
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 - Contract Balance
 - Contract Path Imbalance Report
 - Contract Path Summary
 - Contract Point Activity

The Zone Matrix Pathing Summary and the Maximization and Final Zone Matrix reports can be found under the Flowing Gas, then Additional Reports



Questions?

Thank You for Your Business!



Operational Flow Orders on SNG

***SNG Shipper Meeting
Birmingham, AL
September 19, 2019***

**SOUTHERN NATURAL GAS COMPANY
SUMMARY OF OPERATIONAL FLOW ORDERS (OFOs)**

OFO NOTICE NUMBER	APPLIES TO	OFO IS APPLIED TO ADDRESS THE FOLLOWING PROBLEMS	PRIOR NOTICE (HOURS)	TOLERANCE	PENALTY (\$/Dth) OVER TOLERANCE	GT&C TARIFF SECTION
2	Shippers at Affected Delivery Points	Hourly deliveries exceed capacity	4* (via email)	Limited to hourly rate of 6% of firm quantity at delivery point and no IT	None, but flow control can be installed	10.3
3	Shippers at Affected Delivery Points	Actual daily deliveries exceed capacity (3 Levels)				41.2
		Level 1	24* (via email)	Greater of 500 Dth or 5% of daily entitlement	\$10	
		Level 2	20* (via email)	Greater of 200 Dth or 2% of daily entitlement	\$15 + Highest Regional Daily Price**	
		Level 3	4* (via email)	Greater of 200 Dth or 2% of daily entitlement	\$25 + 2X Highest Regional Daily Price**	
4	Shippers at Affected Delivery Points	Actual daily deliveries exceed Daily Entitlements (scheduled + available no-notice)	24* (via email)	4% of daily entitlement***	Max IT rate or \$15 if limiting deliveries at affected delivery point	41.3 a, c, d
5	Shippers or Supply Poolers at Affected Receipt Points	Actual daily receipts exceed scheduled receipts	24* (via email)	4% of scheduled receipts***	Max IT rate or \$15 if limiting receipts at affected receipt point	41.3 a, b, d
6	Shipper or Supply Pooler	Daily imbalances threaten system integrity	4 or less to maintain physical or operational integrity	Greater of 200 Dth or 2% of allocated deliveries***	<ul style="list-style-type: none"> ▪ >2-5% = \$1 ▪ >5-8% = \$5 ▪ >8% = \$15 	41.4

*Hours prior to beginning of gas day (9:00 a.m. CCT)

**Highest Regional Daily Price = The highest price published for the applicable flow date in the Natural Gas Intelligence Daily Gas Price Index in the AVG column for the following price points: (1) South Louisiana, Southern Natural, or (2) Southeast, Transco Zone 4, or (3) Southeast, Transco Zone 5 South.

*** Can be plus, minus, or both

GT&C = General Terms and Conditions of SNG's current FERC Gas Tariff

Effective Date:
12/1/18

OFO Factors

- Operational Flow Orders (OFOs) are Implemented to Protect System Integrity and Firm Commitments
- The Below Factors Dictate the Type and Level of OFO that may be Needed on the System:
 - Weather Forecast – System Means in the mid-40's and mid-80's are where Demand has Historically Approached Capacity
 - Expected Duration of Weather Event
 - Day of Week – Weekday Demand exceeds Weekend/Holiday
 - Scheduled Activity vs Actual Flows on and off the System
 - System Conditions – Maintenance, Unplanned Outage etc.



Pipeline Conditions Notice

Notice Text:

Effective for gas day Thursday, August 29, 2019 and continuing until further notice, SNG restricted the following:

OPERATIONAL FLOW ORDERS (OFO)

None

RESTRICTIONS (POINT)

- 605500 (COLUMBIA GULF/SNG SHADYSIDE) At Operating Capacity – Reductions into OP Services
- 609000 (TEX GAS/SNG KOSCIUSKO) At Operating Capacity – Reductions into IT Services

RESTRICTIONS (SEGMENT)

- 30 (ZONE 0/1 BOUNDARY TO ONWARD) At Operating Capacity
- 380 (SNG-SESH) At Operating Capacity – Reductions into OP Services – Reference Notice ID# 703650.
- 400 (PICKENS TO GWINVILLE) At Operating Capacity – Reductions into IT Services
- 580 (SAVANNAH LINE – ML TO CYPRESS) At Operating Capacity

RESTRICTIONS (LINEPACK)

None

Type 3 / 4 OFO Probability (Unlikely (UL); Too Close to Call (TC); Highly Likely (HL))

August 29, 2019 – UL

August 30, 2019 – UL

August 31, 2019 – UL

September 1, 2019 – UL

Type 6 OFO Probability (Unlikely (UL); Too Close to Call (TC); Highly Likely (HL))

August 29, 2019 - UL for short and UL for long imbalances

August 30, 2019 - UL for short and UL for long imbalances

August 31, 2019 - UL for short and TCTC for long imbalances

September 1, 2019 - UL for short and TCTC for long imbalances

Informs Shippers of:

- OFOs & Warnings
- PIN Restrictions
- Segment Restrictions
- Line Pack Area Restrictions
- Type 3 / 4 OFO Probability
- Type 6 OFO Probability



OFO Type 3



OFO Type 3 Defined

- Daily Market Demand Exceeds Capacity
 - Daily Flows in Excess of Entitlements are not Acceptable
 - Daily Entitlements = Scheduled Deliveries + Available No-Notice (greater of after Scheduling or after Allocations)
 - Specific Delivery PIN or Group of Delivery PINs



OFO Type 3 Has 3 Levels

- Level 1 – Correction to Flow is Needed
 - Tolerance = Greater of 500 Dth or 5% of Daily Entitlement
 - Penalty = \$10/Dth taken over Entitlement + Tolerance
 - Notification = 24 Hours Prior to Gas Day via Email



OFO Type 3 Has 3 Levels (cont'd)

- **Level 2 – Prompt Correction to Flow is Needed**
 - Tolerance = Greater of 200 Dth or 2% of Daily Entitlement
 - Penalty = \$15 + Highest Regional Daily Average Price/Dth taken over Entitlement + Tolerance
 - Highest Regional Daily Average Price = For the applicable flow day, the highest index price published in NGL's Daily Gas Price Index in the AVG column for Southern Natural–South Louisiana, Transco Zone 4, or Transco Zone 5 South
 - Notification = 20 Hours Prior to Gas Day via Email



OFO Type 3 Has 3 Levels (cont'd)

- **Level 3 – Immediate Correction to Flow is Needed**
 - Tolerance = Greater of 200 Dth or 2% of Daily Entitlement
 - Penalty = \$25 + 2X Highest Regional Daily Average Price/Dth taken over Entitlement + Tolerance
 - Highest Regional Daily Average Price = For the applicable flow day, the highest index price published in NGL's Daily Gas Price Index in the AVG column for Southern Natural–South Louisiana, Transco Zone 4, or Transco Zone 5 South
 - Notification = 4 Hours Prior to Gas Day via Email



New OFO Type 3 Penalty Rate Posting

From: SNG
To: SNG
Subject: Non-Critical,OTHER/MISC.,20190201,SNG,6900518
Date: Friday, February 01, 2019 1:50:16 PM

Below is a list of dates, levels, and penalty rates for the days in January 2019 on which Type 3 Operational Flow Orders (OFOs) were in effect on the Southern Natural Gas system:

SNG OFO Type 3 Penalty Level and Rate

Jan-2019	OFO Level for OFO Day	Penalty Rate
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
9	1	\$10.000
10	1	\$10.000
11	1	\$10.000
12	-	-
13	-	-
14	1	\$10.000
15	1	\$10.000
16	-	-
17	-	-
18	-	-
19	1	\$10.000
20	2	\$22.910
21	2	\$22.910
22	2	\$22.910
23	2	\$18.120
24	2	\$18.145
25	2	\$19.195
26	1	\$10.000
27	1	\$10.000
28	1	\$10.000
29	2	\$19.490
30	2	\$22.660
31	1	\$10.000

This Type 3 OFO summary will be posted on the first business day after the end of the previous month which had Type 3 OFO days in effect.

The following is a link to a notice that was recently posted on the pipeline's Interactive Website. If you have any questions concerning the content of the notice, please contact your pipeline representative. DO NOT REPLY to this email. You are receiving this notice based on directions you provided when logged into the pipeline's Interactive Website "Business Preferences" section.

Pipeline: SNG

Notice Category: Non-Critical Notice Type (1): OTHER

Notice Type (2): MISC.

Issued: Friday, February 1, 2019 @ 13:49 CCT Notice Subject: Jan 2019 OFO Type 3 Summary

Link:

http://pipeline2.kindermorgan.com/Notices/NoticeDetail.aspx?code=SNG&pl_id=3705¬c_nbr=703026

OFO Type 3 Winter Count

November - March



Southern Natural Gas
Company, L.L.C.
a Kinder Morgan operated company

	2016/17	2017/18	2018/19
Type 3 Level 1	7	2	25
Type 3 Level 2	12	36	10
Type 3 Level 3	0	0	0
Total	19	38	35

* Number of Days in any Group on the System



OFO Type 3 Checks Prior to Billing

- SNG Performs Numerous Tariff-based Checks within each OFO Group before Assessing Penalties
 - Group Check
 - Operator Check
 - Nomination Agent Check
 - Shipper Check
 - PIN Check

OFO Type 3 Checks

- **OFO Group Check**
 - Sum Delivery Point Entitlements for all Shippers at PINs within the OFO group
 - Increase by the Applicable Tolerance based on OFO Level
 - Compare to Total Quantity Measured
 - If Measured < Entitlement + Tolerance
 - No Penalty Assessed
 - Process Complete
 - If Measured > Entitlement + Tolerance
 - Go to System-Wide PIN Check for all Member PINs
 - Go to Operator Check for all other PINs



OFO Type 3 Checks (cont'd)

- **Operator Check within an OFO Group**
 - Sum Delivery Point Entitlements for each Operator at PINs within the OFO group
 - Systemwide Operators are evaluated at all PINs subject to the OFO
 - Increase by the Applicable Tolerance based on OFO Level
 - Compare to Total Allocated per Operator
 - If Allocated $<$ Entitlement + Tolerance
 - No Penalty Assessed
 - Process Complete
 - If Allocated $>$ Entitlement + Tolerance
 - Go to Nomination Agent Check



OFO Type 3 Checks (cont'd)

- **Nomination Agent Check within an OFO Group**
 - Sum Delivery Point Entitlements for each Nom Agent at PINs within the OFO group
 - Increase by the Applicable Tolerance based on OFO Level
 - Compare to Total Allocated per Nom Agent
 - If Allocated < Entitlement + Tolerance
 - No Penalty Assessed
 - Process Complete
 - If Allocated > Entitlement + Tolerance
 - Go to Shipper Check



OFO Type 3 Checks (cont'd)

- **Shipper Check within an OFO Group**
 - Sum Delivery Point Entitlements for each Shipper at PINs within the OFO group
 - Increase by the Applicable Tolerance based on OFO Level
 - Compare to Total Allocated per Shipper
 - If Allocated < Entitlement + Tolerance
 - No Penalty Assessed
 - Process Complete
 - If Allocated > Entitlement + Tolerance
 - Go to PIN Check



OFO Type 3 Checks (cont'd)

- **PIN Check within an OFO Group**
 - If Allocated < All Entitlements + Tolerance
 - No Penalty Assessed
 - Process Complete
 - If Allocated > All Entitlements + Tolerance
 - Penalty Quantity = Allocated – (Entitlement + Tolerance)
 - Penalty Amount = Penalty Quantity x Applicable Penalty Rate Based on OFO Level
 - Prorate to each Shipper over its Entitlement + Tolerance



OFO Type 6

OFO Type 6 Defined

- Daily Imbalance Penalty
 - Shipper/Imbalance Aggregation Agent Imbalances Threaten Physical or Operational Pipeline System Integrity
 - Initiated for Short Imbalances Due Pipe, Long Imbalances Due Shipper, or Both
 - OFO Posting will state the Direction(s) subject to Penalty
 - If Net System Imbalance Test is Met,
 - No Penalties Assessed

Step 1: Calculate Net System Imbalance

- Net System Imbalance = Total Allocated Receipts to Shippers Minus Total Fuel Minus Total Allocated Deliveries to Shippers
 - Includes Allocated Receipts from Storage (Withdrawals) and Allocated Deliveries to Storage (Injections)
 - If Net System Imbalance is Opposite of Penalty Direction,
 - No Penalty Assessed
 - Process Complete
 - If Net System Imbalance is Same as Penalty Direction,
 - Proceed to Next Step

Step 2: Calculate Daily Net Imbalance

- Daily Net Imbalance = Allocated Receipts Minus Fuel Minus Allocated Deliveries
 - Includes Allocated Receipts from Storage (Withdrawals) and Allocated Deliveries to Storage (Injections)
 - For each Imbalance Aggregation Agent, or
 - For each Shipper with no Imbalance Aggregation Agent
- If the calculated Daily Net Imbalance is Opposite of Penalty Direction,
 - No Penalty Assessed
 - Process Complete
 - Otherwise, proceed to the Penalty Calculation



Step 3: Calculate Tolerance

- Tolerance Quantity = Greater of 200 Dth or 2% of Shipper's/Agent's Allocated Deliveries



Step 4: Calculate Penalty Quantity

- Penalty Quantity = Daily Net Imbalance Minus Tolerance Quantity Minus Available No Notice
 - If Penalty Direction = Excess Deliveries/Short Imbalances or Both Directions and Shipper/Agent is Short,
 - Available No Notice = Available Daily Withdrawal Quantity – Scheduled Withdrawals – No Notice Withdrawals
 - If Penalty Direction = Excess Receipts/Long Imbalances or Both Directions and Shipper/Agent is Long,
 - Available No Notice = Available Daily Injections Quantity – Scheduled Injections – No Notice Injections

Step 5: Calculate Penalty

Quantity Tiers and Charges

- Tier 1 Quantity: 0-2% of Allocated Deliveries
 - If Penalty Quantity \leq 2% of Allocated Deliveries or \leq 200 Dth,
 - No Penalty Assessed
 - Process Complete
 - Otherwise,
 - Calculate Tier 2 Quantity (See Next Slide)

Step 5: Calculate Penalty



Quantity Tiers and Charges (cont'd)

- Tier 2 Quantity: 2-5% of Allocated Deliveries
 - If Penalty Quantity \leq 5% of Allocated Deliveries,
 - Tier 2 Quantity = Penalty Quantity
 - Tier 2 Penalty Amount = Tier 2 Quantity x \$ 1.00
 - Otherwise,
 - Tier 2 Quantity = 3% (5%-2%) of Allocated Deliveries
 - Tier 2 Penalty Amount = Tier 2 Quantity x \$ 1.00
 - Calculate Tier 3 Quantity (See Next Slide)

Step 5: Calculate Penalty

Quantity Tiers and Charges (cont'd)

- Tier 3 Quantity: 5-8% of Allocated Deliveries
 - If Penalty Quantity \leq 8% of Allocated Deliveries,
 - Tier 3 Quantity = Penalty Quantity – Tier 2 Quantity
 - Tier 3 Penalty Amount = Tier 3 Quantity x \$ 5.00
 - Otherwise,
 - Tier 3 Quantity = 3% (8%-5%) of Allocated Deliveries
 - Tier 3 Penalty Amount = Tier 3 Quantity x \$ 5.00
 - Calculate Tier 4 Quantity (See Next Slide)

Step 5: Calculate Penalty



Quantity Tiers and Charges (cont'd)

- Tier 4 Quantity: $>8\%$ of Allocated Deliveries
 - Tier 4 Quantity = Penalty Quantity - Tier 2 Quantity
- Tier 3 Quantity
 - Tier 4 Penalty Amount = Tier 4 Quantity x \$ 15.00

Step 6: Calculate Total Penalty Amount

- Total Penalty Amount =
Tier 2 Penalty Amount +
Tier 3 Penalty Amount +
Tier 4 Penalty Amount

OFO Type 6s Issued in the Past Year

- April 19-22, 2019
 - For Long Imbalances due to Holiday Weekend
 - System Test Met each Day
 - No Penalties Assessed



Questions?

Thank You for Your Business!

Overview of Doing Business with SNG

SNG Shipper Meeting

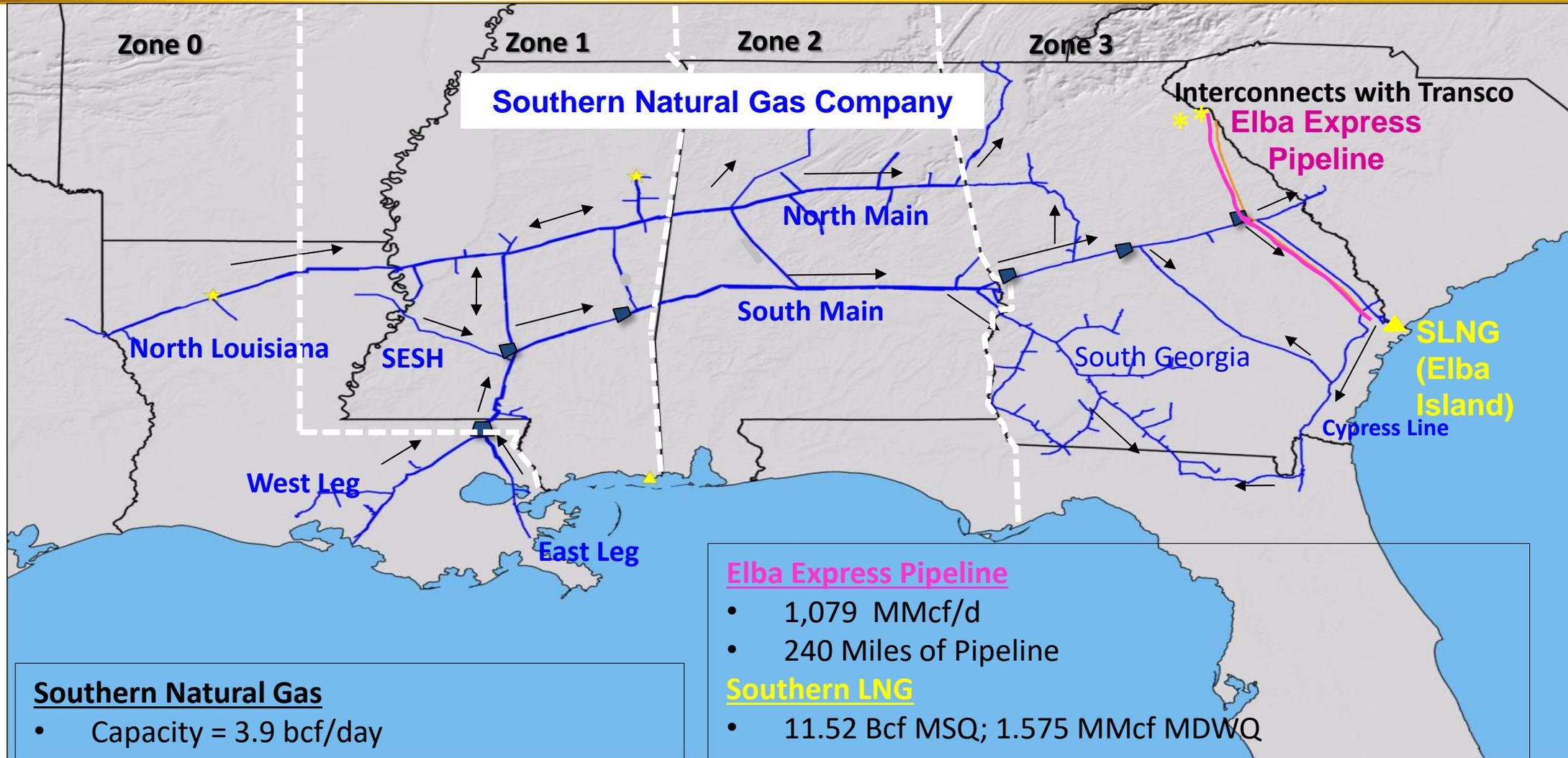
Birmingham, AL

September 19, 2019

Agenda

- Introduction to SNG
 - Pipeline Overview and System Map
 - Organization
 - Types of Services
- Basics on How to Do Business on SNG
 - Requesting and/or amending services
 - How to initiate and to manage DART access
 - Setting up and/or changing Agents
 - Setting up User preferences
- Nomination Basics in DART
 - Nomination Model
 - Pooling
 - Buy/Sell Mismatch List
 - Scheduled Quantities
 - Report Subscription

SNG Operates SNG, EEC, SLNG, ELC



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KINDER MORGAN

SNG Contract Management Hotline

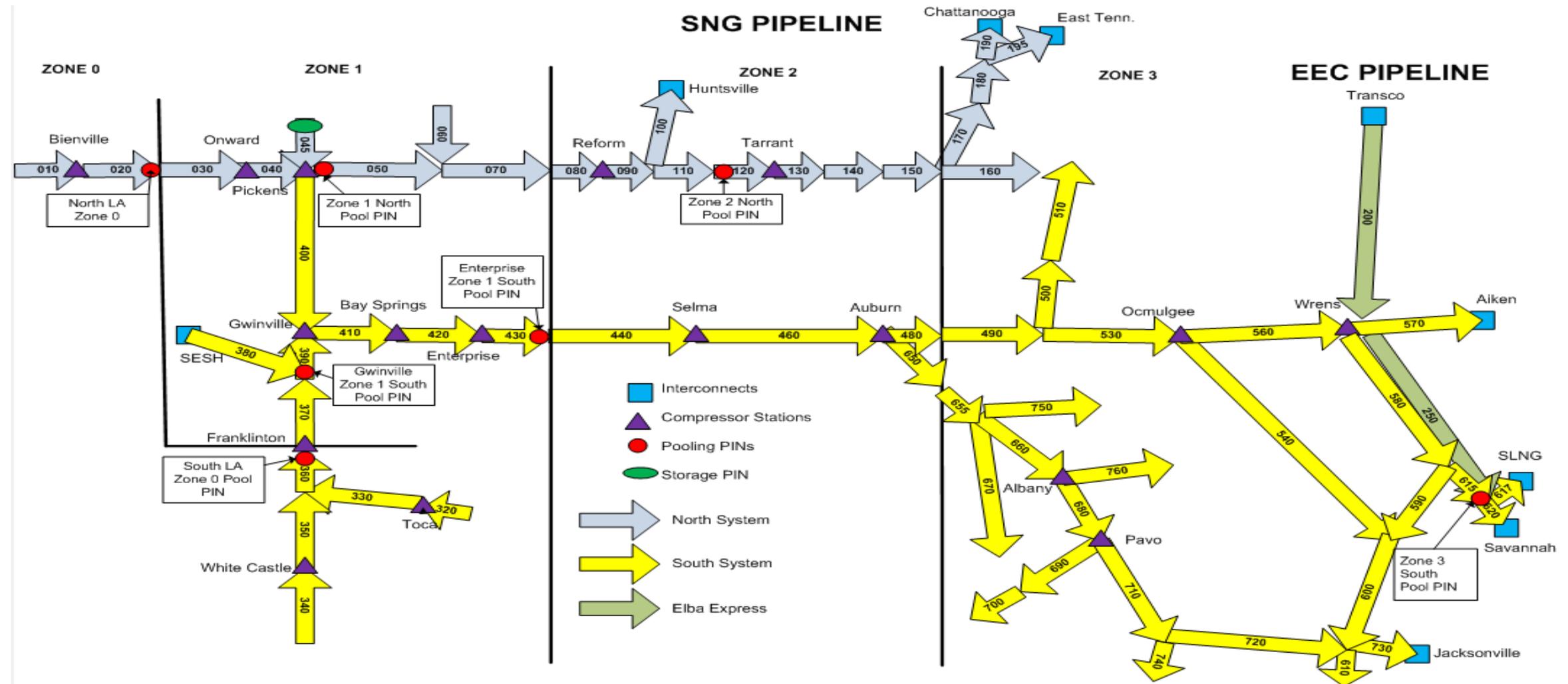
Hotline: 713.420.4455

#SNGContractMgmt@kindermorgan.com

Firm Transportation Services

- Firm transportation service (FT) subscribed from SNG
 - Customer contracts for firm capacity rights from specific receipt PIN(s) to specific delivery PINS(s)
- Firm no notice transportation service (FN) and Firm storage service (CSS) subscribed from SNG
 - Firm transportation is bundled with firm storage service
 - The firm receipt point is at the SNG storage PIN with firm capacity to the specified delivery PIN(s)
 - This service is a balancing tool to allow the Shipper to inject/withdraw automatically from its firm storage account without submitting a nomination

Pipeline Segments are Established for each Pipeline in the DART System for Contracting and Scheduling Service



Acquiring Firm Service From Another Shipper

- Capacity Release of FT, FN and/or CSS
 - Customer can acquire firm capacity from an existing firm shipper for the term and rate bid and awarded
 - SNG bills the reservation rate awarded in the bid, as well as the commodity charges related to quantities transported
- Delivered service from another Shipper
 - Customer arranges for a 3rd party to use its firm transportation services on SNG to deliver gas to the customer's meter

Interruptible Services

- Interruptible Transportation (IT) service
 - Provided to the extent capacity is available; firm service has a higher priority
- Interruptible Storage (ISS) service
 - Provided to the extent capacity is available; firm service has a higher priority
- Interruptible Park and Loan (PAL) service
 - Customers can park gas today and unpark it later when prices are higher, or get loans of gas today and pay it back when prices are lower
 - This service is a gas supply tool
 - PAL is sought after when gas prices are volatile
 - Transportation of the gas is also required
 - Provided to the extent operational assets are available after scheduling higher-priority services
 - Primary contact for PAL is Brenden Marquardt at (713) 420-2109

Basics on How to Do Business on SNG

How to Become a Shipper

- Obtain a Global Identification number (GID) for your company
 - This number is used for all KM operated pipelines
 - Complete the New Customer Info Sheet found on EBB
- Provide proof of creditworthiness
 - Three months of surety for the service types requested
- Set up access to the DART computer system
- Request a service agreement
- An Account Manager and Scheduling Representative will be assigned to assist you with your business needs

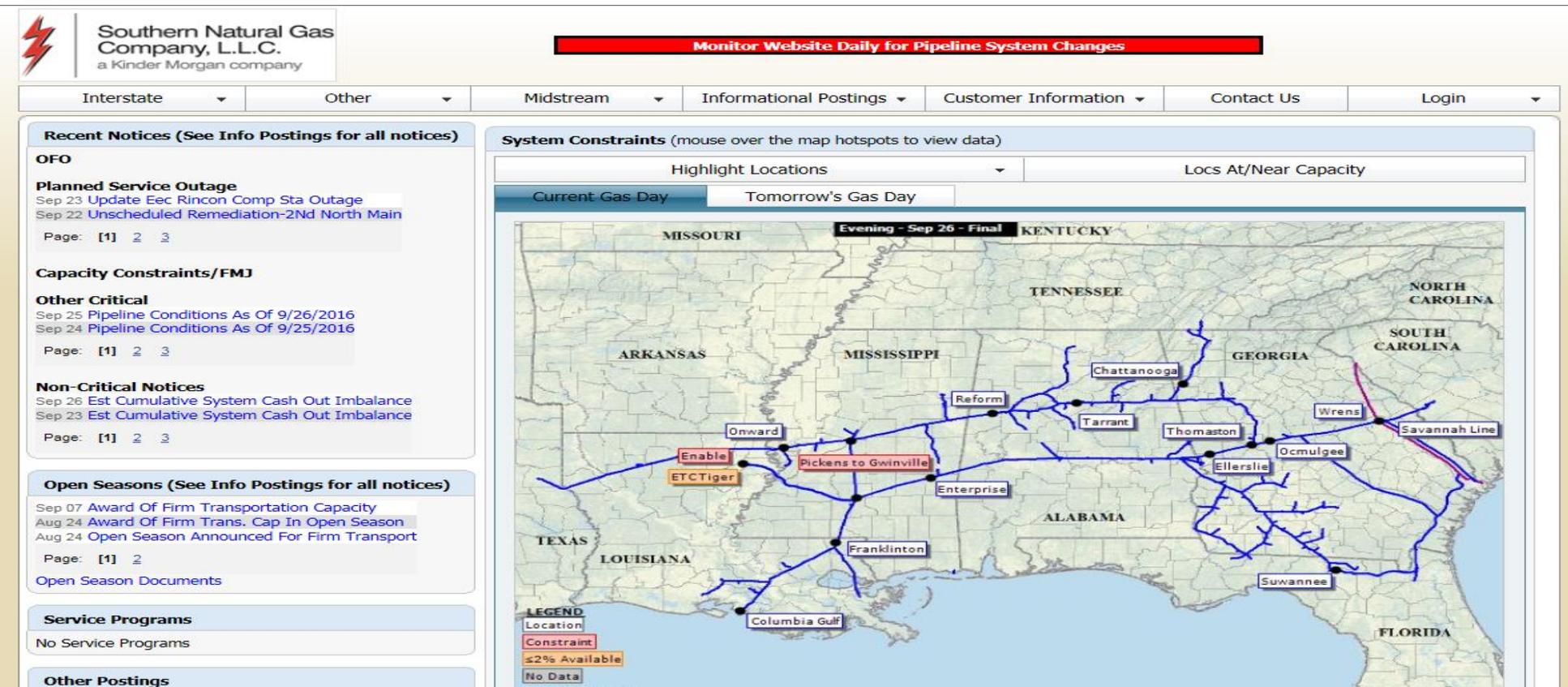
How to Request or Amend Services

- Firm (new or amended) – A Service Request form must be completed and emailed to FTServiceRequest@KinderMorgan.com. The SNG Service Request form is posted on the EBB under Customer Information, Forms.
- Interruptible Transportation or Storage – Call the Contract Admin hotline 713-420-4455 or send an email to #SNGContractMGMT@KinderMorgan.com.
- PAL – Contact Brenden Marquardt at 713-420-2109 or 713-420-4135 or email Brenden_Marquardt@kindermorgan.com.

Electronic Bulletin Board (EBB) and Preference Setup

EBB Access and Information

- SNG's Electronic Bulletin Board (EBB) has access to general system information
- It can be found at <http://pipeline.kindermorgan.com/>
- Customers can also log into the DART computer system for their proprietary information



The screenshot displays the Southern Natural Gas Company website interface. At the top left is the company logo and name. A red banner reads "Monitor Website Daily for Pipeline System Changes". Below this are navigation tabs: Interstate, Other, Midstream, Informational Postings, Customer Information, Contact Us, and Login. The main content area is divided into two columns. The left column contains "Recent Notices (See Info Postings for all notices)" with sections for "OFO", "Planned Service Outage", "Capacity Constraints/FMJ", "Other Critical", "Non-Critical Notices", "Open Seasons (See Info Postings for all notices)", "Service Programs", and "Other Postings". The right column features a "System Constraints" map titled "(mouse over the map hotspots to view data)". The map shows a network of pipelines across the Southeastern United States, with labels for various locations like Onward, Reform, Tarrant, Chattanooga, Wrens, Savannah Line, Enterprise, Franklinton, Columbia Gulf, Suwannee, and Ocmulgee. A legend at the bottom left of the map defines symbols for Location, Constraint (≤2% Available), and No Data. A black arrow points to the "Login" tab on the right side of the navigation bar.

Setting up DART Access

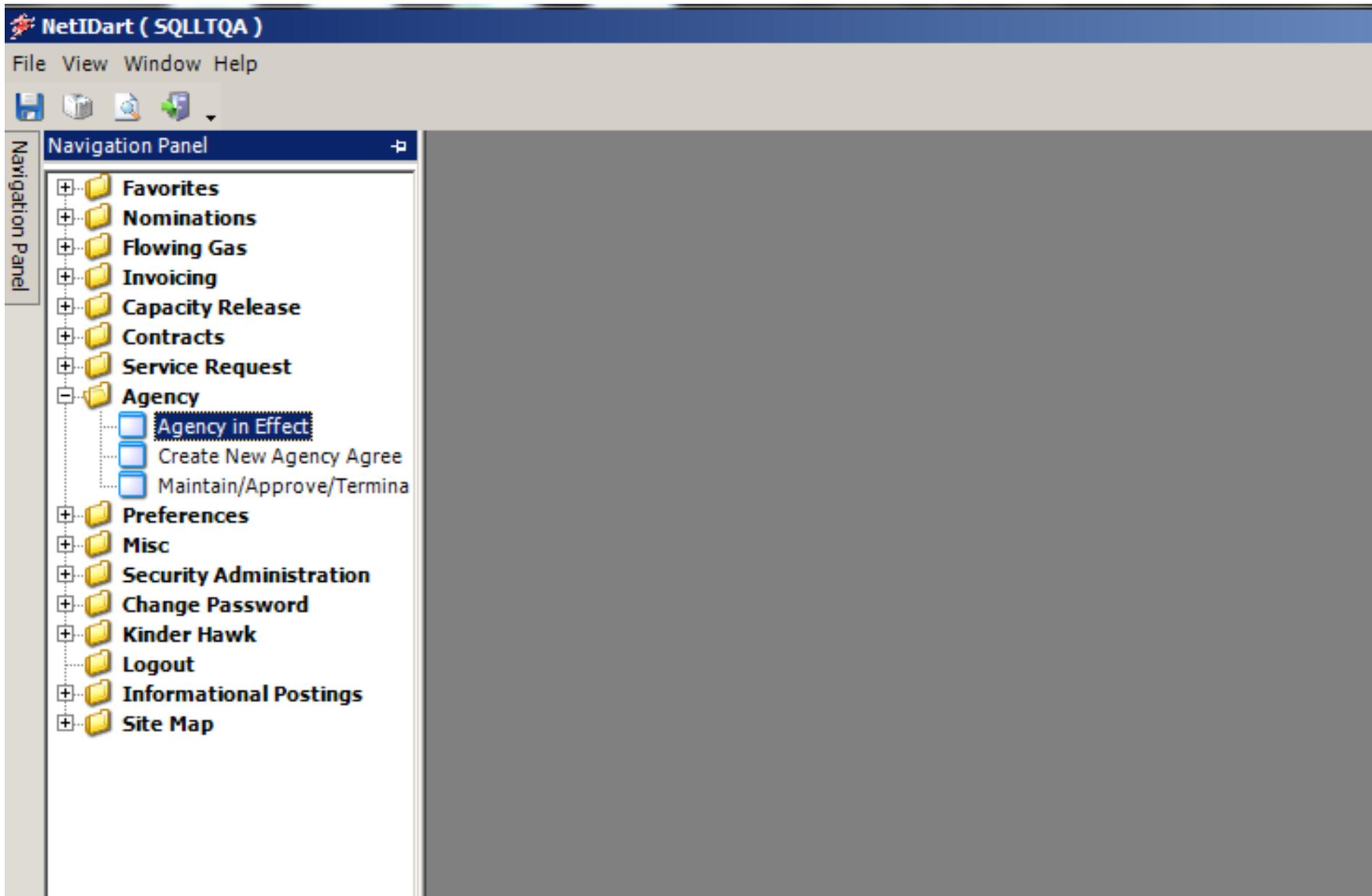
- Complete two key documents
 - DART System License Agreement for the desired pipeline, and
 - External Security Administrator (ESA) Request form(s) to administer your security needs
 - A customer is advised to have **at least two ESA** representatives from its company
- Submit forms
 - By email to dartsystemsecurity@kindermorgan.com
- Assistance for DART access
 - Business hours Mon – Fri from 7:00AM to 4:00PM (CCT)
 - Weekend and holiday assistance available via the Scheduling hotline (713) 420-7213
 - Password reset must be performed by your company's ESA(s)

Setting up / Changing Agents

- In DART, the Shipper has the ability to initiate and/or change Agents
 - The Agent can also initiate the process
- Your Account Manager can help determine the agency authorities that apply to your needs
- Changes in Agents **must** occur at the first of a month
 - Requests received on or after the first day of a month will be effective the following month

Agency Mapping

	DART		Contract or Point Specific
Nomination	Nominations		Contract
	Buy Sell Default		
	Volume Inquiry		
Confirmation	Confirmations		Point
Contracting	Capacity Request		
	Contract Execution		
	Amendment Request		Contract
	Contract Inquiry		Contract
Capacity Release	Capacity Release Offers		Contract
	Capacity Release Bids		
Imbalance Aggregation	Imbalance Aggregation		
Nomination / Confirmation	Imbalance Trading/Storage Transfer		Contract
Billing	Invoices		Contract
Full Access	All Functions		
	Operator Point Inquiry		Point



To view an existing agency, open the Agency folder and select Agency in Effect.

NetIDart (SQLTQA)

File View Window Help

Navigation: <Select a navigable window> Actions: <Select an action item>

Agency in Effect [SNG]: 07/13/2015 04:20:02

TSP: 3705 - SOUTHERN NATURAL GAS CO. AGENT: 61000 - TRNG-CHERRY NATURAL GAS SVC REQ: 61000 - TRNG-CHERRY NATURAL GAS

Principal Co: 61000 TRNG-CHERRY NATURAL G

Agent Co: 61000 TRNG-CHERRY NATURAL G

Active on or after: 7/ 1/2015 Agent Agrmt Nbr:

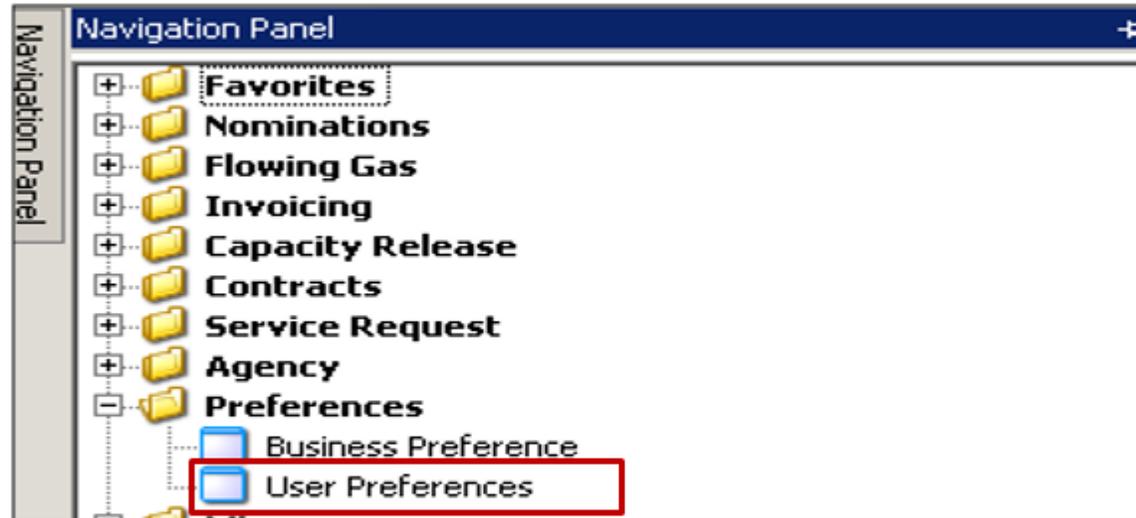
Retrieve

Delegation Agreement	Principal Co ID	Principal Company	Agent Co ID	Agent Company	Bus Func Start Date	Bus Func End Date	Bus Func	All Ctrct Ind	All Pt Ind
52494	64000	TRNG-BLUE SPRUCE GAS MARKET	61000	TRNG-CHERRY NATURAL GAS	07/01/2015	06/30/2020	AMENDMENT REQUEST	Y	Y
52494	64000	TRNG-BLUE SPRUCE GAS MARKET	61000	TRNG-CHERRY NATURAL GAS	07/01/2015	06/30/2020	CAP REL BIDS	Y	Y
52494	64000	TRNG-BLUE SPRUCE GAS MARKET	61000	TRNG-CHERRY NATURAL GAS	07/01/2015	06/30/2020	CAP REL OFFERS	Y	Y
52494	64000	TRNG-BLUE SPRUCE GAS MARKET	61000	TRNG-CHERRY NATURAL GAS	07/01/2015	06/30/2020	CONFIRMATIONS	Y	Y
52494	64000	TRNG-BLUE SPRUCE GAS MARKET	61000	TRNG-CHERRY NATURAL GAS	07/01/2015	06/30/2020	CONTRACT EXECUTION	Y	Y
52494	64000	TRNG-BLUE SPRUCE GAS MARKET	61000	TRNG-CHERRY NATURAL GAS	07/01/2015	06/30/2020	CONTRACT INQUIRY	Y	Y
52494	64000	TRNG-BLUE SPRUCE GAS MARKET	61000	TRNG-CHERRY NATURAL GAS	07/01/2015	06/30/2020	CONTRACT REQUEST	Y	Y
52494	64000	TRNG-BLUE SPRUCE GAS MARKET	61000	TRNG-CHERRY NATURAL GAS	07/01/2015	06/30/2020	IMBAL TRD/STOR TRANS	Y	Y
52494	64000	TRNG-BLUE SPRUCE GAS MARKET	61000	TRNG-CHERRY NATURAL GAS	07/01/2015	06/30/2020	IMBALANCE AGGREGATION	Y	Y
52494	64000	TRNG-BLUE SPRUCE GAS MARKET	61000	TRNG-CHERRY NATURAL GAS	07/01/2015	06/30/2020	INVOICES	Y	Y
52494	64000	TRNG-BLUE SPRUCE GAS MARKET	61000	TRNG-CHERRY NATURAL GAS	07/01/2015	06/30/2020	LDC Report	Y	Y
52494	64000	TRNG-BLUE SPRUCE GAS MARKET	61000	TRNG-CHERRY NATURAL GAS	07/01/2015	06/30/2020	NOMINATIONS*	Y	Y
52494	64000	TRNG-BLUE SPRUCE GAS MARKET	61000	TRNG-CHERRY NATURAL GAS	07/01/2015	06/30/2020	OPERATOR POINT INQUIRY*	Y	Y
52494	64000	TRNG-BLUE SPRUCE GAS MARKET	61000	TRNG-CHERRY NATURAL GAS	07/01/2015	06/30/2020	VIEW INVOICE	Y	Y
52494	64000	TRNG-BLUE SPRUCE	61000	TRNG-CHERRY	07/01/2015	06/30/2020	VOLUME	Y	Y

Select Retrieve to see a list of Agency agreements in effect and the business functions related to that agency.



Setting DART User Preferences



- To set the default pipeline and default service requester, click the + sign to the left of *Preferences* and then click *User Preferences*

Set DART User Preferences

Navigation Panel

Not Submitted [SNG]; 08/2 | Template Copy [SNG]; 08/ | Batch Locations [SNG]; 08/ | **User Preferences [SNG]**

TSP: 3705 - SOUTHERN NATURAL GAS CO. AGENT: 65000 - TRNG-LOCUST POWER CO. SVC REQ: 65000 - TRNG-LOCUST POWER CO.

AFTER LOGIN, DEFAULT TO:

TRANSPORTATION SERVICE PROVIDER (TSP):

SERVICE REQUESTER (SVC REQ):



- Select the TSP default and the Service Requester default from the drop down and click Save.

Add Favorites

Navigation Panel

-  Favorites
 - Not Submitted
 - Buy/Sell Mismatches List
 - Confirmation
 - Capacity/End-Point Splits
 - Scheduling Cut Queue
 - Sched Qty Oper
 - Sched Qty

Not Submitted [SNG]; 08/2 | Template Copy [SNG]; 08/ | Batch Locations [SNG]; 08/ | User Preferences [SNG]; 0 | Not Submitted [SNG]; 08/2 | Confirmation [SNG]; 08

TSP: 3705 - SOUTHERN NATURAL GAS CO. AGENT: 65000 - TRNG-LOCUST POWER CO. CONF PTY: 65000 - TRNG-LOCUST POWER CO.

NAESB Confirmation List

Confirm LDC Location | Confirm All Lines | Confirm Selected Line | **Submit** | Retrieve | Save As | Print

Conf Req Prop: 3705 Conf Req Name: SOUTHERN NATURAL GAS CO. Conf Req: 6900518
 Conf Pty Prop: 65000 Conf Pty Name: TRNG-LOCUST POWER CO. Conf Pty:

Report Date/Time: 8/21/2015 3:22:40 PM Flow Date: 8/22/2015
 Cycle: TIMELY Needs Confirmation: ExpandAllRows:

* Scheduled Quantities are subject to change until the NAESB Scheduled Quantities deadline of each Cycle

Role: OPR UDP Layout Options: Show Zeros Name Prop ID ID Up/Dn K Pkg ID Grouping: SvcReq SvcReq + Pkg ID Up/Dn Prop NAESB WGQ basic view SvcReq + Up/Dn K SvcReq + Up/Dn K + Pkg ID

Loc Prop	Loc Name	Prior Cycle Scheduled	Current Cy Nominate	Net Change	Needs Conf	Confirmed	Current Sched +	Role
999901	TRNG/SNG ABC RECEIPT P	15,850	30,000	14,150	N		29,000	OPR
999902	TRNG/SNG ABC DELIVERY	0	(29,224)	(1)	N		(29,224)	OPR
Grand Summaries		(13,373)	776	14,149		0	(224)	

Right mouse click context menu options: Print, Save As, Add to Favorites, Remove from Favorites

- Right mouse click on any screen that you wish to save
- Select *Add to Favorites* from the pop up window

Suggested Favorites in DART

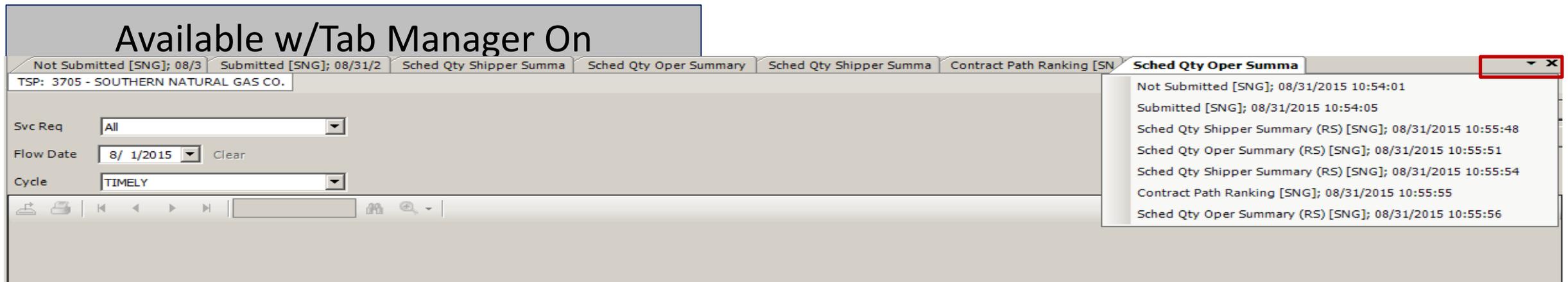
- Nominations: Not Submitted
- Nominations: Submitted
- Nominations: Buy/Sell Mismatches List
- Confirmation
- Capacity/End-Point Splits
- Scheduled Quantity: Sched Qty Shipper
- Scheduling Cut Queue
- Contractual Imbalance
- Contracts
- Contract Execution
- Maintain/Submit Offer
- Confirm Bid

Viewing Open DART Windows

Always Available



Available w/Tab Manager On





Viewing Open DART Windows

View Window Help
Tab Manager Navigation: <No navigable windows available> Actions: <Select an action item>

Buy/Sell Activit All Contracts Allocation Loca Hour Average Business Prefe Contracts [CIG] Agency in Effe GID Lookup [C Company Cont Fuel Calculator PALS Activity [PIN Lookup [C **User Security**

TSP: 3705 - SOUTHERN NATURAL GAS CO. AGENT: 65000 - TRNG-LOCUST POWER CO. SVC REQ: 65000 - TRNG-LOCUST POWER CO.

Retrieve

Logon ID	Name	Company	Work Ph Nbr	Email	Security Admin	Status
CTRNG43	TRAINING43, DARTPLUS X	61000 - TRNG-CHERRY NATURAL GAS	(708)691-3087		N	SUSPENDED
CTRNG44	TRAINING44, DARTPLUS X	61000 - TRNG-CHERRY NATURAL GAS	(708)691-3087		N	SUSPENDED

File View Window Help
TSP: 3705 - SOUTHERN NATURAL GAS CO. AGENT: 65000 - TRNG-LOCUST POWER CO. SVC REQ: 65000 - TRNG-LOCUST POWER CO.

TSP: 15038 - COL About TSP: 61000 - TRNG-CHERRY NATURAL GAS AGENT: 61000 - TRNG-CHERRY NATURAL GAS SVC REQ: 61000 - TRNG-CHERRY NATURAL GAS

Report Date: 6/6/2014 12:34:08 PM

Contract ID	Serv Type	Volume Type	Receipt Allocated Dth	Inj Ind	Adjustments (Fuel)	Delivery Allocated Dth	Wdl In
210105-TF1CI	TF1	Transport (Current)					
210245-FS1CI	FS1	STORAGE					

Framework User Preference

General Auto Launch Save

Navigation Panel
 Single Click
 Double Click

Navigation Panel Screen Id Alignment
 Left
 Right
 None

MDI Tab Manager
 Show MDI Tab Manager
Tab Width 100

Sort Navigation Panel
 Yes

Ready

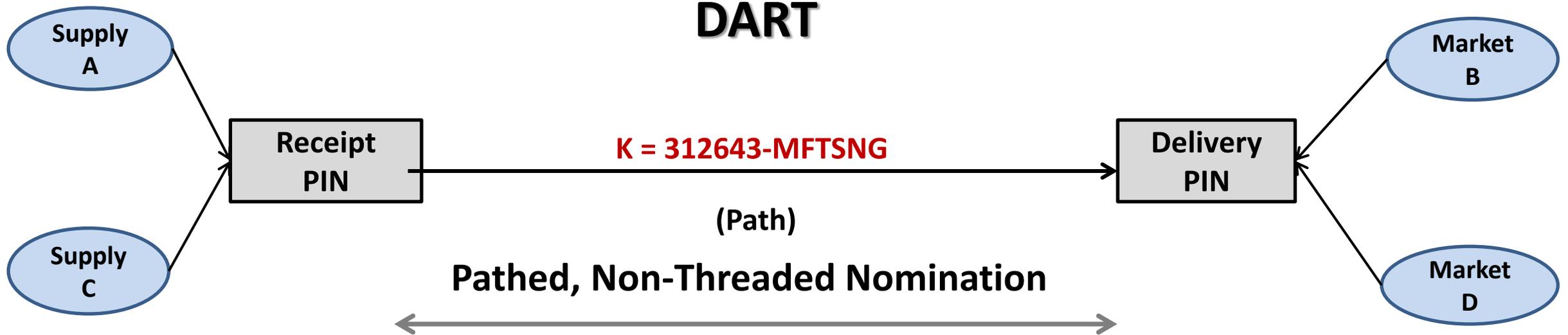
To Set
"Tab Manager"
View

Nomination Basics in DART

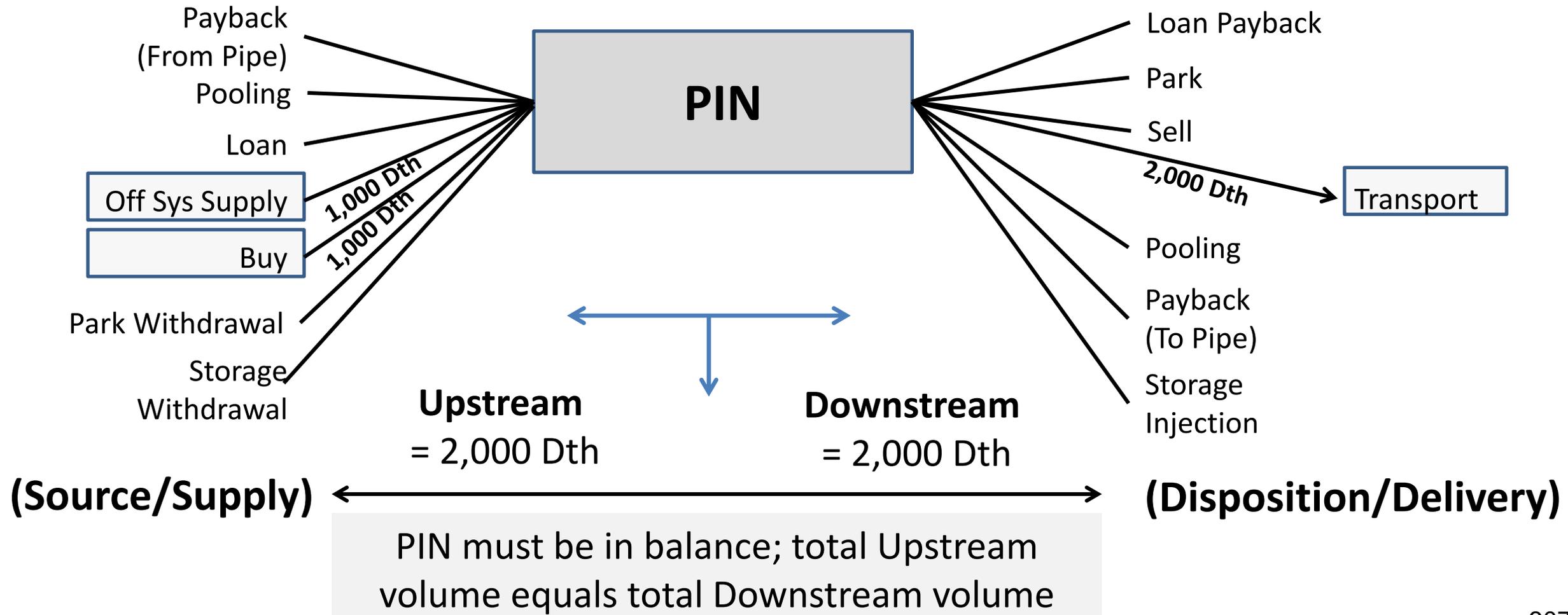
Basic Terms and Concepts

- PIN – Point Identification Number (i.e. meter, location, or point)
- GID – Global Identification (i.e. company identifier)
- Contract Number Format – (ex. 1234-MFTSNG)
- Batch
- Nomination

Dart Nomination Model



DART is PIN-Centric



Transaction Types (TT) for Supply/Market

- Gas coming on or off our system directly will use off system market or supply transaction type 117 or 118
- Buy or Sell transactions between third parties will use transaction type 01

TT Descriptions	TT
Buy (Current Business)	01
Sell (Current Business)	01
Off-system Market	117
Off-system Supply	118

Supply/Market TT Guidelines:

Single Confirming Party (OPR only)	Offsystem	
	Buy/Sell	Supply/Market
Delivery Meter	NO	Yes
Receipt / Bi-directional Meter	Yes	Yes

Buying and Selling Gas at Pool PINs

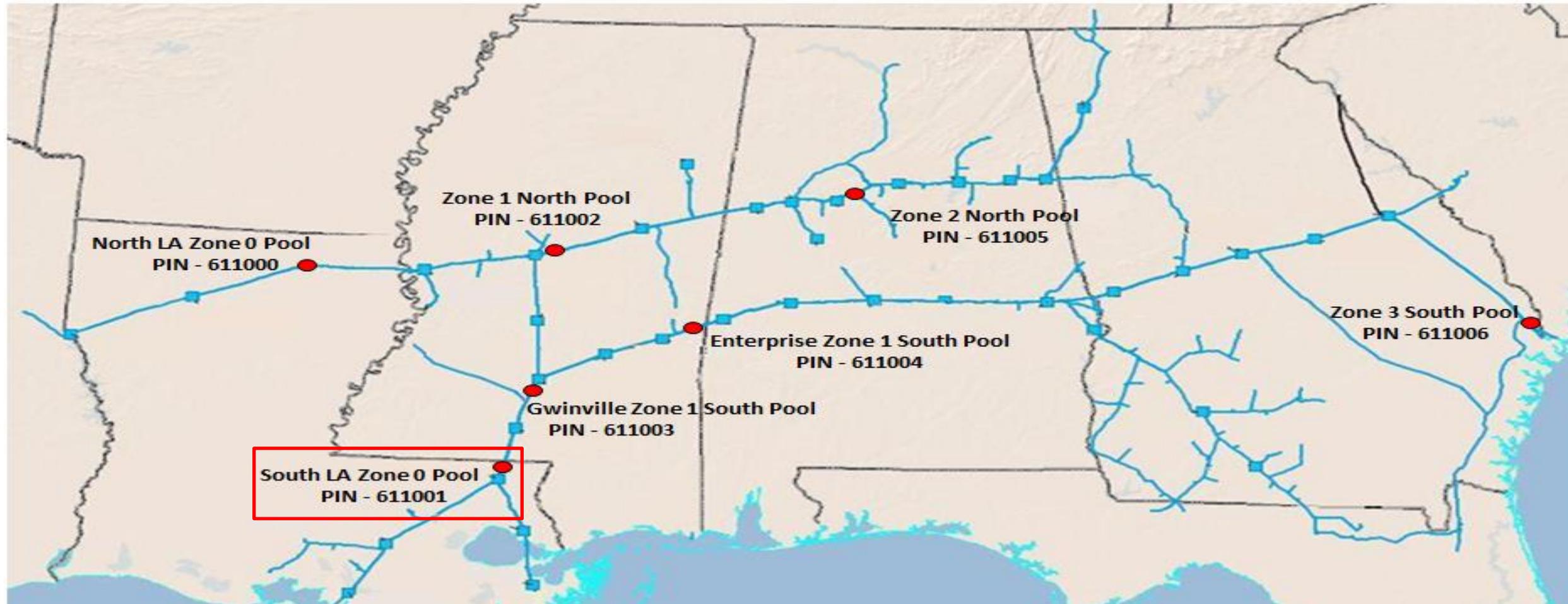
Pool PINs are Where Gas Can be Bought & Sold



Pooling Guidelines

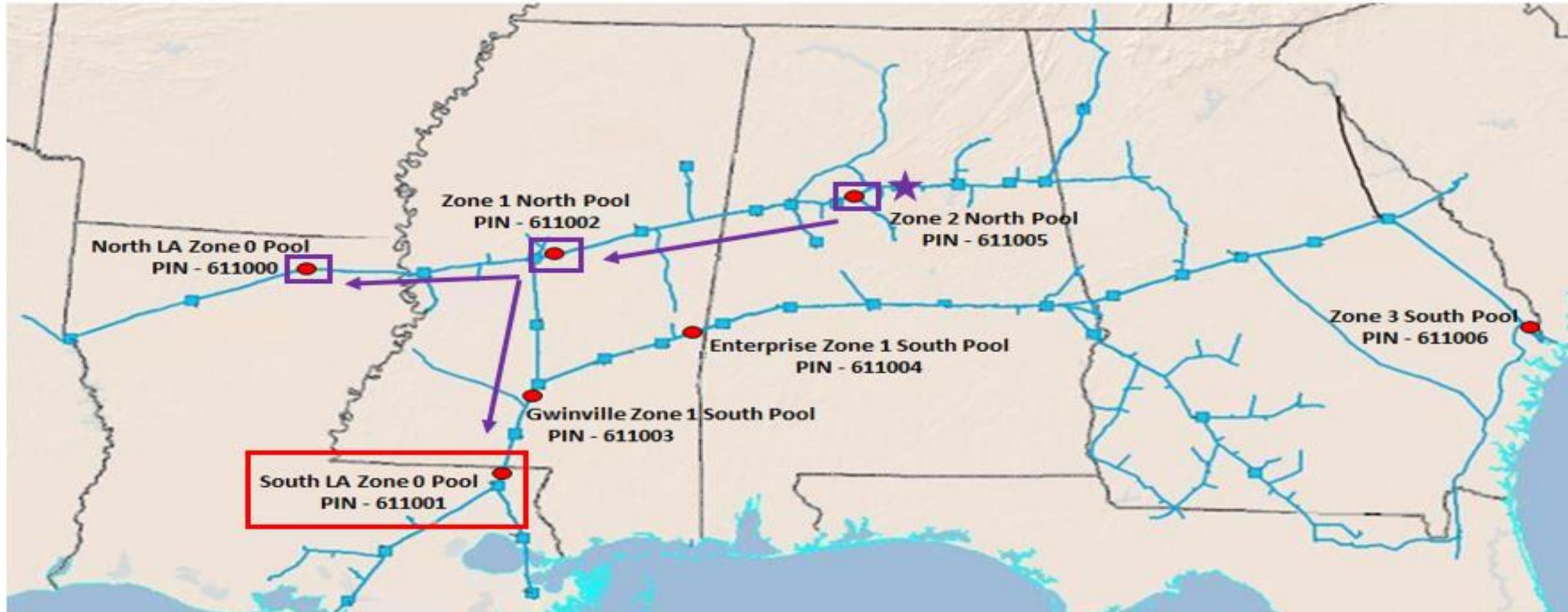
- All receipt PINs can be nominated to the South Louisiana Zone 0 Pool PIN
- Receipt PINs can be nominated to the Pool PIN that is in the same zone and on the same system (i.e., North or South)
- Receipt PINs on the same system can also be nominated to Pool PIN(s) in all upstream zones along the same system (i.e., North or South)
- Receipt PINs in Zone 1 can be nominated to any Pool PIN in Zone 1
- The Storage PIN can be nominated to any Zone 0 and Zone 1 Pool PIN

Pooling Guidelines



All receipt PINs in any zone, or system, will be mapped to South LA (Zone 0) Pool

Pooling Guidelines



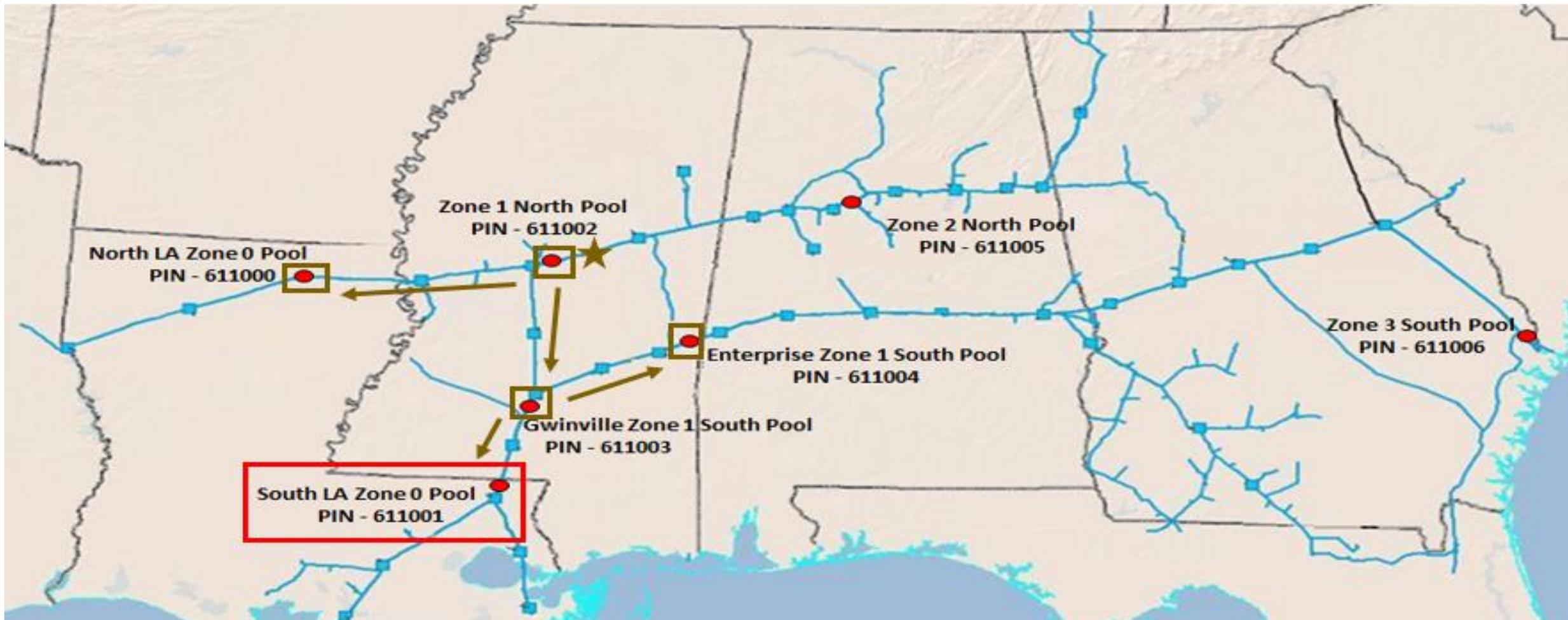
Receipt PINs can be nominated to the Pool PIN that is in the same zone and on the same system (i.e., North or South)

Pooling Guidelines



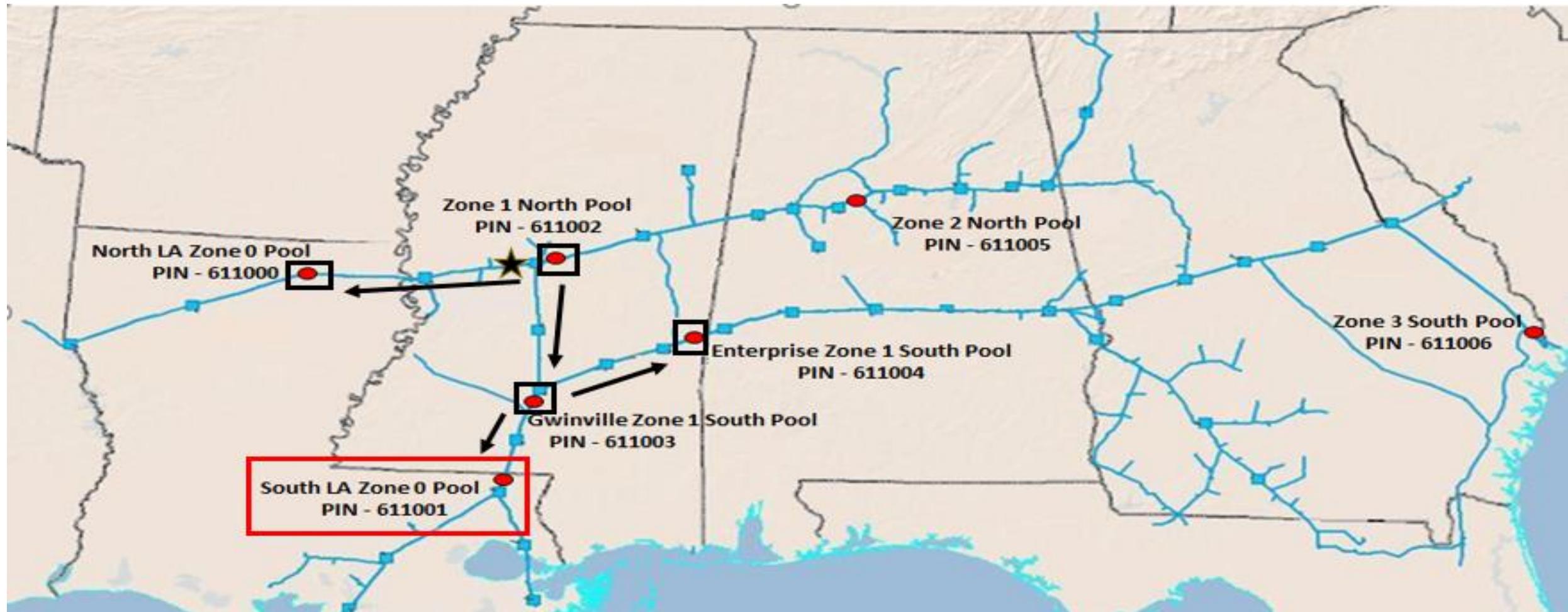
Receipt PINs on the same system can also be nominated to Pool PIN(s) in all upstream zones along the same system (i.e., North or South)

Pooling Guidelines



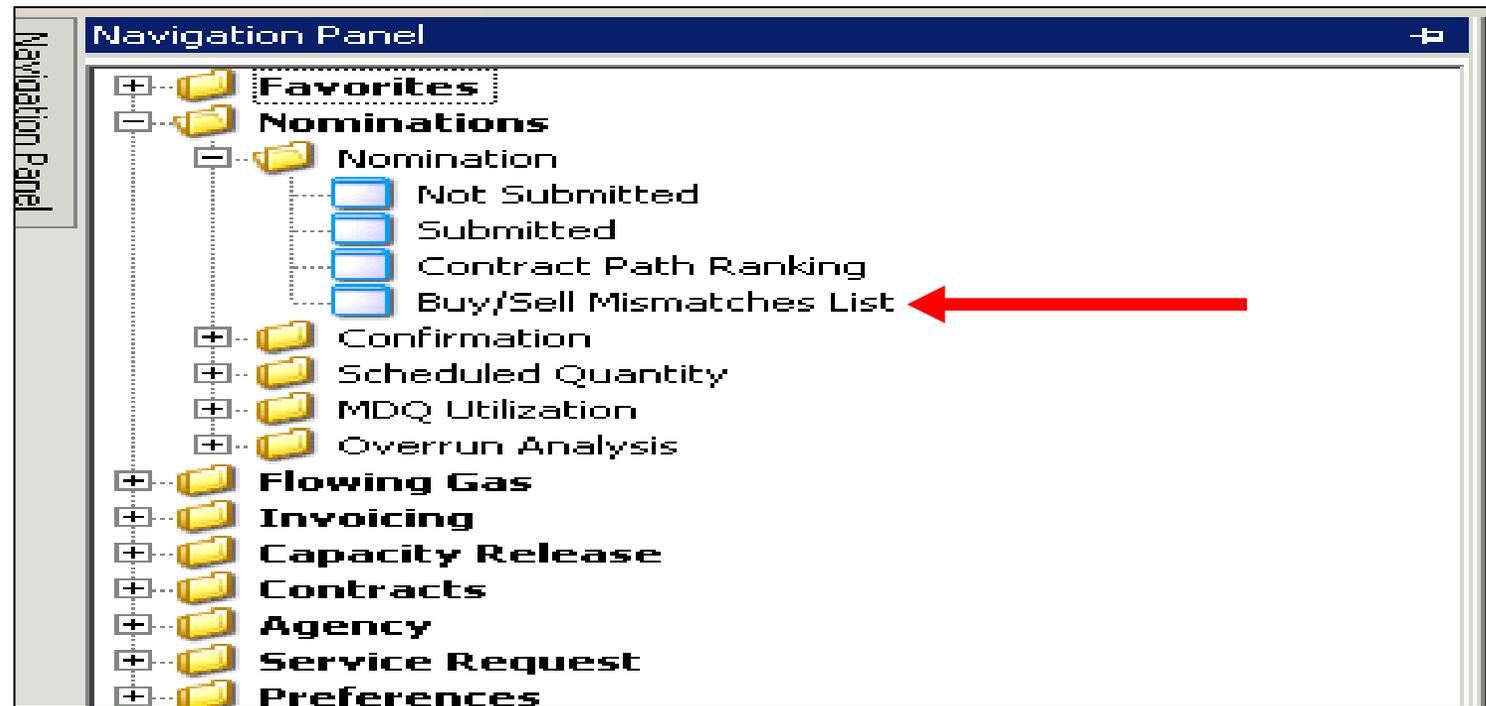
Receipt PINs in Zone 1 can be nominated to any Pool PIN in Zone 1

Pooling Guidelines



The Storage PIN can be nominated to any Zone 0 and Zone 1 Pool PIN

View Buy/Sell Mismatch Activity



- Can be found in two locations
- First in the Navigation Panel under Nominations folder

View Buy/Sell Mismatch Activity

Batch List

TSP Prop: 3705 TSP Name: SOUTHERN NATURAL GAS CO. TSP: 6900518
 Svc Req Prop: 65000 Svc Req Name: TRNG-LOCUST POWER CO. Svc Req: 0

Report Date/Time: 8/23/2019 7:59:03 AM

Submitted
 Not Submitted
 Show All SVC Req

Beg Date	End Date	Batch ID- Description	Status	Cycle
09/30/2015	09/30/2015	651927082	Draft	TIMELY
09/22/2015	09/22/2015	283292706 Nom Example One	Draft	TIMELY
08/22/2015	08/22/2015	298864592	Draft	EVENING
08/22/2015	08/31/2015	605020228	Draft	TIMELY

- Can also be found on the Batch List screen

Buy/Sell Mismatches List

Buy/Sell Mismatches List

Statement Date/Time 8/23/2019 :32:47 PM

Flow Date: 8/23/2019

Cycle: TIMELY

Mismatches Only Show All Svc Req

Save As Print Retrieve Clear



- The *Flow Date* and *Cycle* will default to the current date and Timely Cycle
- The form also defaults to checking the *Mismatches Only* box
- To view **all** the Buy/Sell transactions, select *Show All Svc Req* and then *Retrieve*

Buy/Sell Mismatches List

Buy/Sell Mismatches List

Statement Date/Time: 8/23/2019 8:09:31 AM

Flow Date: 8/23/2019

Cycle: TIMELY Mismatches Only Show All Svc Req

Svc Req Prop	Sys ID	Svc Req Name	Svc Req	Rec/Del Prop	Rec/Del Loc Name	Rec/Del Loc	Variance	Mismatch Indicator	Up Dn Ct
65000	000	TRNG-LOCUST POWER CO.		502710	TRUNKLNE/SNG TRUNKLINE-SHA	10366	(500)	Y	
65000	000	TRNG-LOCUST POWER CO.		611001	SOUTH LA ZONE 0 POOL		1,000	Y	

- Double clicking into each line item will take you to the Detail Screen which displays the *Counter Prty Nom* associated with the transaction

Buy/Sell Mismatches List

Up\Dn		Vol Type	Co ID	Co ID Name	A	Pkg ID	Counter Prty Nom	Nom Qty	(Sched) Nom Qty	Rank	Mismatch Indicator	
U		BUY	61200	TRNG-CEDAR POWER			0	500	0	100	Y	
Grand Summaries							0	603	103			

Up\Dn		Vol Type	Co ID	Co ID Name	A	Pkg ID	Counter Prty Nom	Nom Qty	(Sched) Nom Qty	Rank	Mismatch Indicator	
Grand Summaries							0	603	603			

- In this example, our counterparty Cedar Power has not submitted their sell to match the counter-party nom for 500 Dth

Nomination Status in Dart

Status	Meaning	Action
Nominated	Successfully Submitted	No further actions required
Not Submitted/Hold	Not Submitted	Holding for next available cycle
Not Submitted/Draft	Not Submitted	Draft Saved- Not Submitted
Not Submitted/Error	Not Submitted	Pending Error Correction
Not Submitted/Waiting for Approval	Validated/Not Submitted	Requires Pipeline Approval

Reasons that a Nomination is Waiting for Pipeline Approval

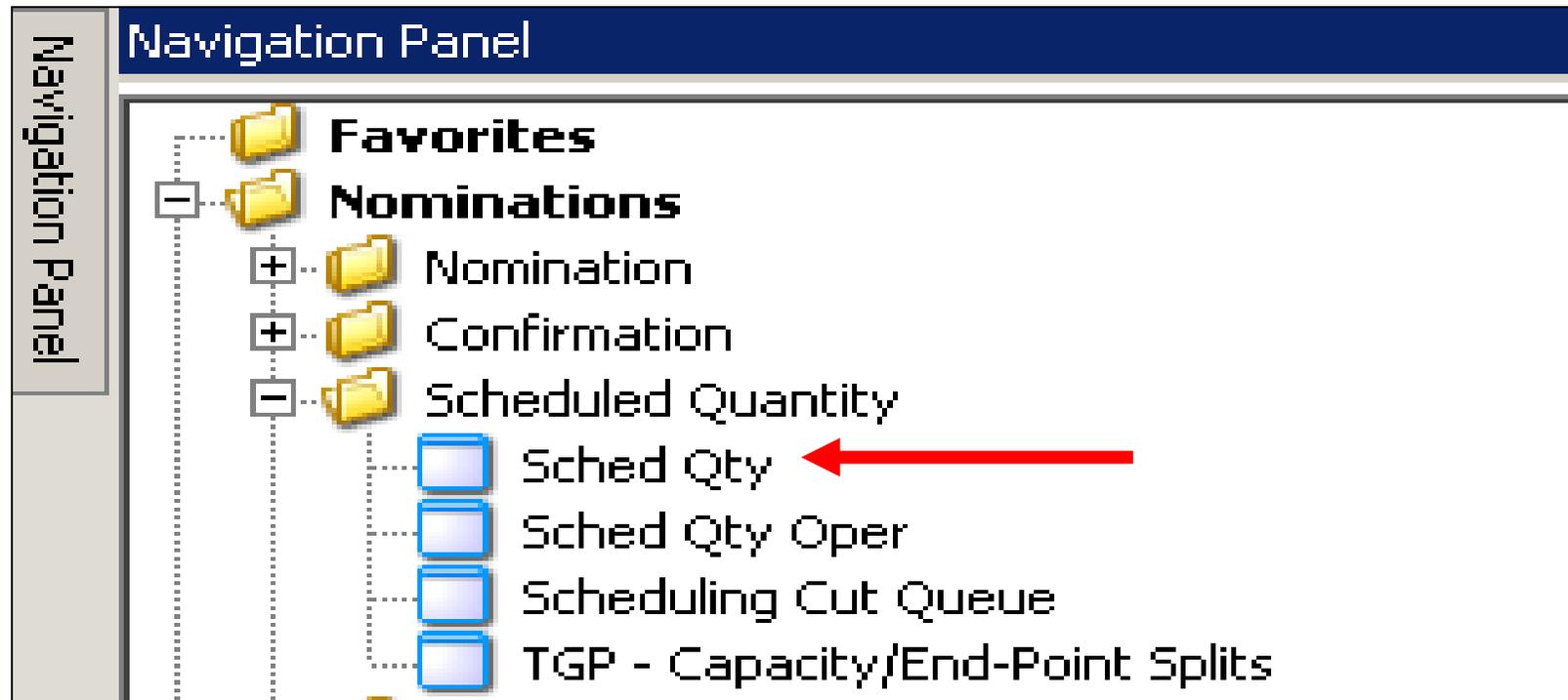


- Retro Nominations
- Out of Cycle Nomination
- EPSQ Validation
- Hold



Viewing Scheduled Quantities

View Scheduled Quantities (Shippers)



View Scheduled Quantities (Shippers)

Scheduled Quantity

Sched Qty Ship Matrix Generate EDI Retrieve Save As Print

NOTE: Scheduled Quantities are subject to change until the NAESB Scheduled Quantities deadline of each cycle.

TSP Prop:	3705	TSP Name:	SOUTHERN NATURAL GAS CO.	TSP:
Svc Req Prop:	3705	Svc Req Name:	SOUTHERN NATURAL GAS CO.	Svc Req:	6900518
Statement Date/Time:	9/6/2019 12:18:25 PM	Beg Date:	9/ 7/2019	End Date:	9/ 7/2019
Svc Req K (Optional):		Cycle:	TIMELY	Svc Req:	3705 - SOUTHERN NATURAL GAS CO.

Show
 All Schedule Changes Only Schedule Bumps Only Show Zeros

WNVL0003

- The screen will default to the Timely cycle that is currently active in the system
 - Select *Beg Date* and *End Date* and *Cycle*
 - Select your *Svc Req K (Optional)*
 - Click *Retrieve* button

View Scheduled Quantities (Shippers)

Scheduled Quantity

Sched Qty Ship Matrix

NOTE: Scheduled Quantities are subject to change until the NAEISB Scheduled Quantities deadline of each cycle.

Generate EDI Retrieve Save As Print

TSP Prop: 3705 TSP Name: SOUTHERN NATURAL GAS CO. TSP: Agent Prop: Svc Req Prop: Agent Name: Svc Req Name: Agent: Svc Req:

Statement Date/Time: 9/5/2019 3:11:56 PM Beg Date: 9/ 1/2019 End Date: 9/ 1/2019

Svc Req K (Optional): Cycle: TIMELY

Show: All Schedule Changes Only Schedule Bumps Only Show Zeros

Flow Date	Rec/Del Loc Prop	Rec/Del Loc Name	Rec/Del Loc	Cust Nom Qty	Rec/Del Qty (Sched)*	Rec/Del Sched Stat	Out of Balance	R Qty Rec/Del (Variance)
09/01/2019	420546	TGP/SNG ROSE HILL MISS	420546	1,119	1,119	CNF		0
09/01/2019	420556	TGP/SNG TOCA EXCHANGE	420556	0	0	CNF		0
09/01/2019	502710	TRUNKLINE/SNG SHADYSID	502710	0	0	CNF		0
09/01/2019	601950	REGENCY/SNG LAHWY147-	601950	11,529	11,529	CNF		0
09/01/2019	604000	ANR/SNG SHADYSIDE SAIN	604000	0	0	CNF		0
09/01/2019	605300	SEA ROBN/SNG ERATH VER	605300	0	0	CNF		0
09/01/2019	605500	COL GULF/SNG SHADYSIDE	605500	5,612	5,612	CNF		0
09/01/2019	605900	DESTIN/SNG ENTERPRISE	605900	0	0	CNF		0
09/01/2019	606100	ETNG/SNG WHITFIELD WH	606100	0	0	CNF		0
09/01/2019	606200	GULFSTH/SNG PETAL CLAR	606200	0	0	CNF		0
09/01/2019	606400	EGT/SNG SESH RICHLAND	606400	1,088	1,088	CNF		0
09/01/2019	606500	GULFSTH/SNG SESH RICHL	606500	0	0	CNF		0
09/01/2019	608500	LEAF/SNG JASPER	608500	0	0	CNF		0
09/01/2019	609400	MSHUB/SNG SOMPSON	609400	0	0	CNF		0
09/01/2019	611001	SOUTH LA ZONE 0 POOL	611001	20,433	12,476	CNF		7957
09/01/2019	630000	ENERGYQU/SNG UDP BAYO	630000	350	350	CNF		0
09/01/2019	630850	TX PETR/SNG UDP BAYOU	630850	0	0	CNF		0
09/01/2019	640000	HIGH FT/SNG TOCA ST BER	640000	0	0	CNF		0
09/01/2019	650070	ETC TX/SNG UDP SPIDER M	650070	3,000	3,000	CNF		0
09/01/2019	651400	GULFSTH/SNG KOSCIUSKO	651400	0	0	CNF		0
09/01/2019	656200	WASH PAR/SNG AREA WAS	656200	0	0	CNF		0

WNVL000: Row count: 28 #67 - Data has been refreshed.

- The screen displays scheduled quantity information
 - Rec/Del Sched Stat – scheduling status e.g. Confirmed or Nominated
 - R Qty Rec/Del (Variance) – difference between nominated volume and scheduled volume, if any

Scheduled Quantity For Shipper Matrix

NAESB Scheduled Quantity for Shipper Matrix

TSP Prop: 3705 TSP Name: SOUTHERN NATURAL GAS CO. TSP: Detail Line Item Retrieve Save As Print

Agent Prop: Agent Name: Agent: Agent:

Svc Req Prop: Svc Req Name: Svc Req: Svc Req:

Statement Date/Time: 9/5/2019 3:12:54 PM Model Type: T, U

Beg Date: 9/1/2019 Beg Time: End Date: 9/1/2019 End Time: Layout Options
 Cycle: TIMELY Show Zeros NAESB WGQ basic view
 Loc Prop: 611001 Loc Name: SOUTH LA ZONE 0 POOL Loc: 611001 Expanded View

* Scheduled Quantities are subject to change until the NAESB Scheduled Quantities deadline of each Cycle. Fields with labels in red italics are ordered pursuant to NAESB 4.3.73

Up/Dn	TT	Vol Type	<i>SvcReq K</i>	Svc Type	Rec Loc Prop	Rec Loc Name	Rec Loc	Up ID Prop (OffSys)	Up Name (OffSys)	Up ID (OffSys)	Up K/Dn K	G	Customer Nom Qty	Rec Qty (Sched)	Rec Sched Stat	<i>RR</i>	Pkg ID	R Qty Rec (Variance)	Up Rank/ Del Rank	Imbal Mon		
UpStream	01	BUY	0		0		0	4617	ICE NGX CANA	249821349			9,900	1,943	CNF	PBR		7957	400			
Total:													9,900	1,943								
Up/Dn	TT	Vol Type	<i>SvcReq K</i>	Svc Type	Del Loc Prop	Del Loc Name	Del Loc	Dn ID Prop (OffSys)	Dn Name (OffSys)	Dn ID (OffSys)	Up K/Dn K	G	Customer Nom Qty	Del Qty (Sched)	Del Sched Stat	<i>RR</i>	Pkg ID	R Qty Del (Variance)	Dn Rank/ Rec Rank	Imbal Mon		
DownStream	01	SELL	0		0		0	18998		605647775			20,000	12,043	CNF	PBR		7957	450			
Total:													20,000	12,043								

WNVL000+ Row count: 141 #67 - Data has been refreshed.

- User can select two views
 - NAESB WGQ Basic View – displays NAESB required data elements
 - Expanded View - displays two additional fields; the Counter Prty Nom and RR PL Sched
- In the middle of the screen, next to *Up ID* and *Dn ID*, you will notice the *GO* button. If the *GO* button is enabled (not grayed out), shipper can click *GO* which will prompt the screen to show the PIN location with the upstream and downstream transactions.

NAESB Scheduled Quantity For Shipper Matrix – Detail Line Item

NAESB Scheduled Quantity for Shipper Matrix

TSP Prop: TSP Name: SOUTHERN NATURAL GAS CO. TSP: Agent Prop: Agent Name: Svc Req Prop: Svc Req Name: Svc Req: Statement Date/Time: 8/29/2019 12:04:09 PM

Detail Line Item Retrieve Save As Print

Line Item Detail

Point: 609000 TEX GAS/SHG KOSCIUSKO ATTALA Flow Date: 8/29/2019
 Cycle: TIMELY Customer /Contract CO:
 Volume Type: Off-system Supply Sys/Svc: 0
 Pkg ID: 29061 Nominated: 30000
 PL Sched: 12770 PL Reason: NGD Downstream Service Requester Did Not Have the M
 Confirmed: 12770 Conf Reason: CPR - Confirming Party Reduction
 Final Sched: 12770 IBR/RR Name: CPR - Confirming Party Reduction
 Priority Rank: 1

Up K/Dn K	G	Customer Nom Qty	Rec Qty (Sched)	Rec Sched Stat	HR	Pkg ID	R Qty Rec (Variance)	Up Rank/Del Rank	Imbal Mon
		30,000	12,770	CNF	CPR	29061	17230	1	
		30,000	12,770						

Up K/Dn K	G	Customer Nom Qty	Del Qty (Sched)	Del Sched Stat	HR	Pkg ID	R Qty Del (Variance)	Dn Rank/Rec Rank	Imbal Mon
	GO	6,968	6,968	CNF	AOK			8 500	
	GO	22,632	5,402	CNF	CCR		17238	500	
	GO	496	496	CNF	AOK			8 500	
		30,000	12,770						

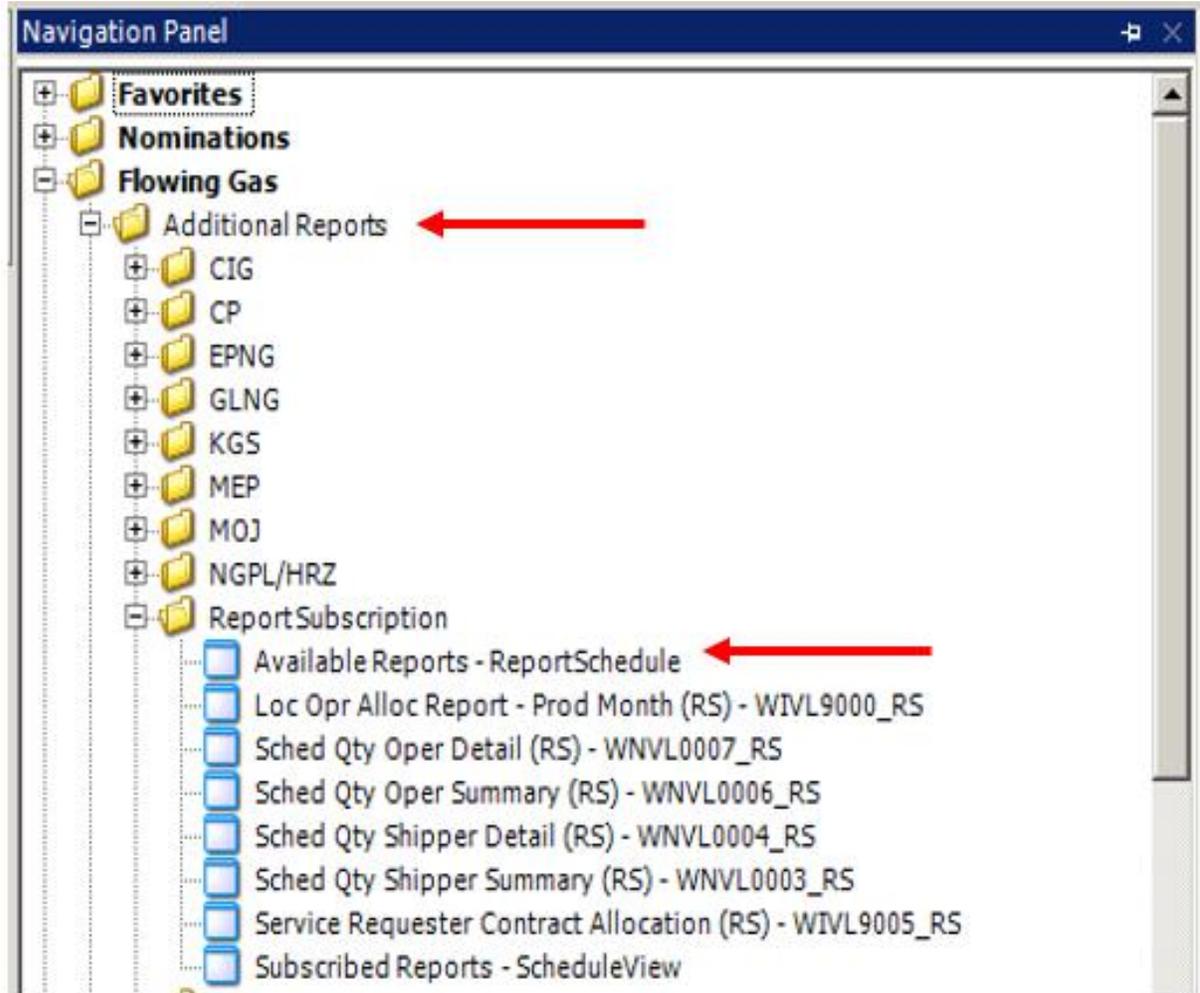
- From this screen the shipper can further review details for any PIN
 - Select a specific line item (line will turn blue)
 - Click *Detail Line Item* box

Report Subscription

Report Subscription

- Customers can subscribe to certain reports that they want to receive routinely
 - Scheduled Quantities
 - Allocations
 - Measurement
- Supports the ability to select when you want to receive reports
 - Can also run reports ‘ad hoc’ as needed
- Supports Agent relationships

Reports



Report Subscription

Navigation Panel

- ⊕ Favorites
- ⊕ Nominations
- ⊕ Flowing Gas
 - ⊕ Additional Reports ←
 - ⊕ CIG
 - ⊕ CP
 - ⊕ EPNG
 - ⊕ GLNG
 - ⊕ KGS
 - ⊕ MEP
 - ⊕ MOJ
 - ⊕ NGPL/HRZ
 - ⊕ ReportSubscription
 - Available Reports - ReportSchedule ←
 - Loc Opr Alloc Report - Prod Month (RS) - WIVL9000_RS
 - Sched Qty Oper Detail (RS) - WNVL0007_RS
 - Sched Qty Oper Summary (RS) - WNVL0006_RS
 - Sched Qty Shipper Detail (RS) - WNVL0004_RS
 - Sched Qty Shipper Summary (RS) - WNVL0003_RS
 - Service Requester Contract Allocation (RS) - WIVL9005_RS
 - Subscribed Reports - ScheduleView

TSP: 3705 - SOUTHERN NATURAL GAS CO.

Screen ID	Name	Description
WIVL3015_RS	Daily measured quantity by operator (RS)	Daily measured quantity by operator (RS)
WIVL9000_RS	Loc Opr Alloc Report - Prod Month (RS)	Loc Opr Alloc Report - Prod Month (RS)
WIVL9001_RS	Loc Opr Alloc Report - Statement Month (RS)	Loc Opr Alloc Report - Statement Month (RS)
WNVL0007_RS	Sched Qty Oper Detail (RS)	Sched Qty Operator Detail
WNVL0006_RS	Sched Qty Oper Summary (RS)	Sched Qty Operator Summary
WNVL0004_RS	Sched Qty Shipper Detail (RS)	Sched Qty Shipper Detail
WNVL0003_RS	Sched Qty Shipper Summary (RS)	Sched Qty Shipper Summary
WIVL9005_RS	Service Requester Contract Allocation (RS)	Service Requester Contract Allocation (RS)
WIVL4055_RS	SNG - Activity Summary Report (RS)	SNG - Activity Summary Report (RS)
NSC057_RS	SNG - Operator Agent Daily Entitlements (RS)	SNG - Operator Agent Daily Entitlements (RS)
NSC027_RS	SNG - Shipper Agent Daily Entitlements (RS)	SNG - Shipper Agent Daily Entitlements (RS)
WIVL1670_RS	SNG/EEC - Agent Daily Imbalance Report (RS)	SNG/EEC - Agent Daily Imbalance Report (RS)
WIVL9050_RS	SNG/EEC - Contract Allocations by Vol Type (RS)	SNG/EEC - Contract Allocations by Vol Type (RS)
WIVL9006_RS	SNG/EEC - Delivery Allocations by Type of Service (RS)	SNG/EEC - Delivery Allocations by Type of Service (RS)
WIVL4054_RS	SNG/EEC - Imbalance Agent Summary Report (RS)	SNG/EEC - Imbalance Agent Summary Report (RS)

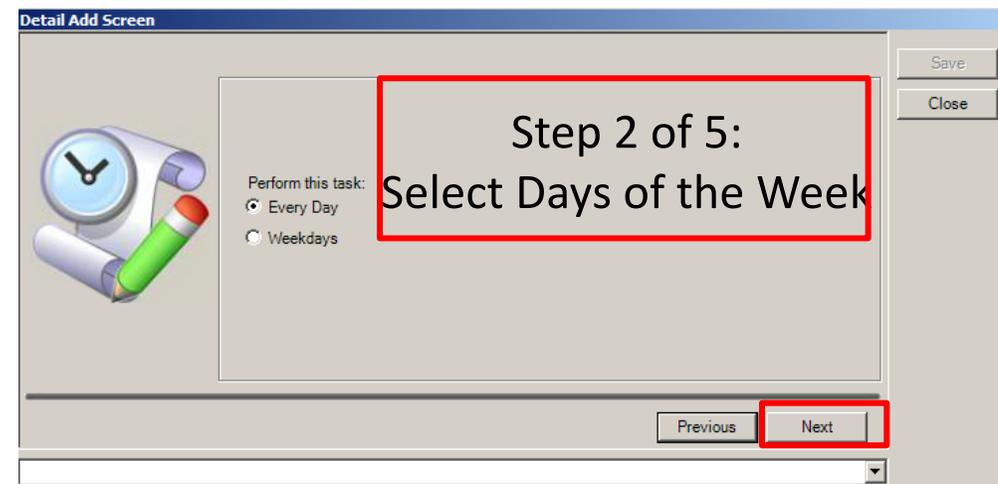
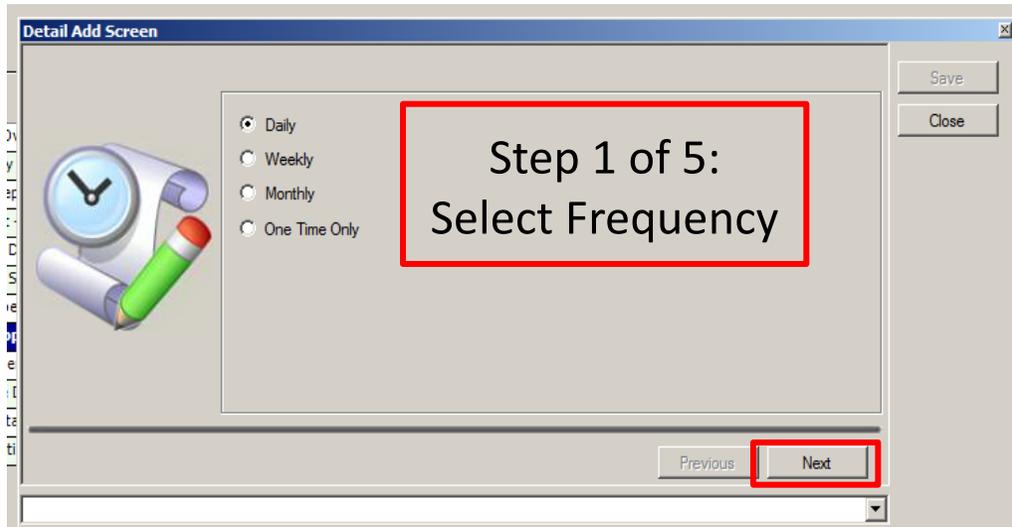
- Add Schedule
- Change Schedule
- Inquire Schedule
- Delete Schedule

- Print
- Save As

- Add to Favorites
- Remove from Favorites

- 1) Red-highlighted reports are currently subscribed
- 2) Select a new report and right click for more options
- 3) Select "Add Schedule" from pop up window

Report Subscription



Report Subscription

Detail Add Screen

Select Report Parameters



Recipient Prop: 61000

Svc Req: All

Flow Date: Clear

Cycle: TIMELY

Previous Next

Step 3 of 5:
Select Svc Req, Flow Date, and Cycle
(suggest all NAESB Cycles).

Detail Add Screen

Requestor Information



Name: CTRNG01

Email: mike_baker@kindemorgan.com

(Separate By Semi colon)

Message: Enter any message here

File Addon:

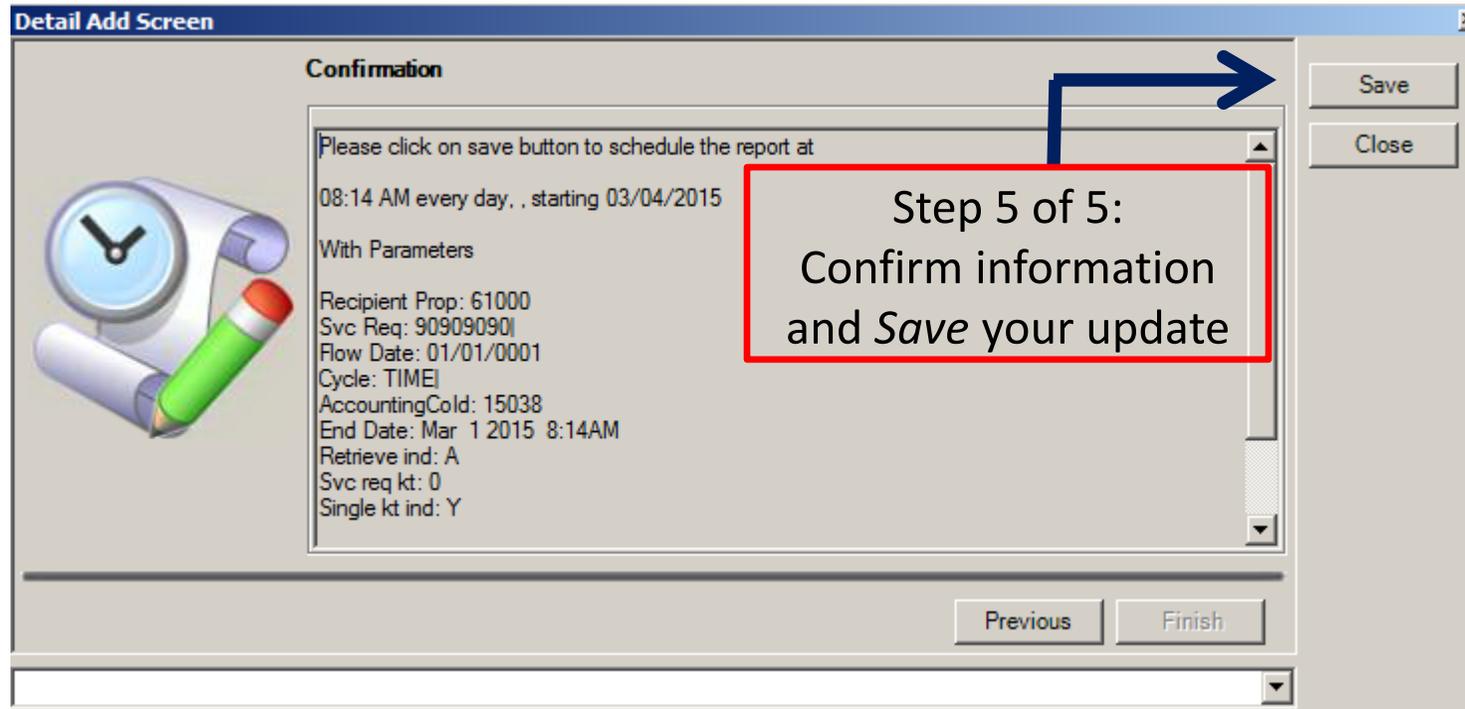
Save

Close

Previous Next

Step 4 of 5:
Provide Contact Information

Report Subscription



Confirmation

Please click on save button to schedule the report at
08:14 AM every day, . starting 03/04/2015

With Parameters

Recipient Prop: 61000
Svc Req: 90909090I
Flow Date: 01/01/0001
Cycle: TIMEI
AccountingCold: 15038
End Date: Mar 1 2015 8:14AM
Retrieve ind: A
Svc req kt: 0
Single kt ind: Y

Step 5 of 5:
Confirm information
and *Save* your update

Save
Close

Previous Finish

Report Subscription

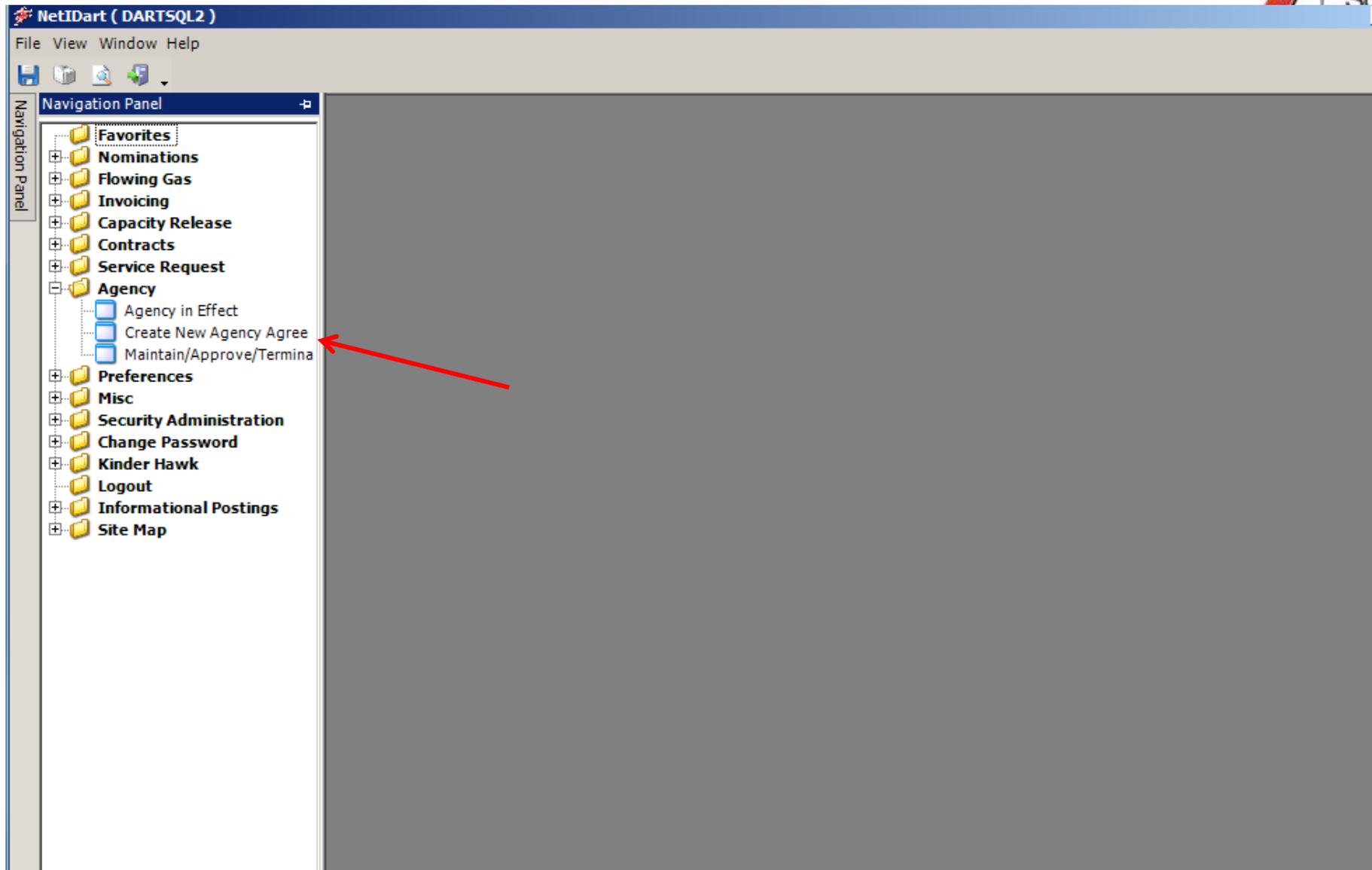
Screen ID	Name	Description
WSVL0342_RS	Interruptible & Overrun Daily Report	Interruptible & Overrun Daily Report
WSVL0341_RS	IT/AO Volume by Shipper Report	IT/AO Volume by Shipper Report
WIVL9000_RS	Loc Opr Alloc Report - Prod Month (RS)	Loc Opr Alloc Report - Prod Month (RS)
WIVL9010_RS	Producer Report - Scheduled & Allocated (RS)	Producer Report - Scheduled & Allocated (RS)
WNVL0007_RS	Sched Qty Oper Detail (RS)	Sched Qty Operator Detail
WNVL0006_RS	Sched Qty Oper Summary (RS)	Sched Qty Operator Summary
WNVL0004_RS	Sched Qty Shipper Detail (RS)	Sched Qty Shipper Detail
WNVL0003_RS	Sched Qty Shipper Summary (RS)	Sched Qty Shipper Summary
WIVL9005_RS	Service Requester Contract Allocation (RS)	Service Requester Contract Allocation (RS)
WVRVC1261_RS	Storage Balance Detail (RS)	Storage Balance Detail (RS)
WVRVC1255_RS	Storage Fuel Retained Detail (RS)	Storage Fuel Retained Detail (RS)
WIVL9015_RS	Supply Aggregation Balancing Detail (RS)	Supply Aggregation Balancing Detail (RS)

Red-highlighted reports are currently subscribed

Appendix:

Agency

Creating a New Agency



Open the Agency folder and click on Create New Agency Agreement.

NetIDart (DARTSQL2) - [Create New Agency Agreement [SNG]: 09/11/2015 01:58:34]

File View Window Help

Navigation: <No navigable windows available> Actions: <Select an action item>

TSP: 3705 - SOUTHERN NATURAL GAS CO. AGENT: 61000 - TRNG-CHERRY NATURAL GAS SVC REQ: 61000 - TRNG-CHERRY NATURAL GAS

Principal: TRNG-CHERRY NATURAL G

Agent: TRNG-PALM POWER CO.

Start Date: End Date:

Comments:

Customer Lookup

Filter Criteria Selection

No Filter Id Name Contains Duns Id Name Starts With Lgcy ID Lgcy Name Contains

Pipeline Preferred

Yes No All Filter criteria: Lgcy Sys ID:

Company List								
Name	ID	CommonName	Pref	Stat	Lgcy Sys I	Lgcy Id	Lgcy Name	
TRNG-CHERRY NATURAL GAS	61000	TRNG-CHERRY N	Y	A				61
TRNG-RIVER BIRCH GAS MARK	61100	TRNG-RIVER BIR	N	A				
TRNG-CEDAR POWER CO.	61200	TRNG-CEDAR PO	N	A				
▶ TRNG-ASH TRANSP.	61300	TRNG-ASH TRAN	N	A				
TRNG-SUGAR MAPLE GAS CO.	61400	TRNG-SUGAR MA	Y	A				0
TRNG-OAK NATURAL GAS CO.	61500	TRNG-OAK NATU	N	A				
TRNG-WILLOW GAS MARKETIN	61600	TRNG-WILLOW G	N	A				
TRNG-PALM POWER CO.	61700	TRNG-PALM POW	N	A				
TRNG-CRAB TRANSPORTATION	61800	TRNG-CRAB TRA	N	A				
TRNG-EUCALYPTUS GAS COMP	61900	TRNG-EUCALYPT	N	A				

Total rows: 21

Input the Principal and Agent GID's and select a Start Date and End Date. If you don't know the GID, double click in the Principal or Agent box and a Customer Lookup will display. Click the radio button next to Name Contains, enter part of the name in the Filter criteria box and click Filter. Select the applicable party and click OK.

NetIDart (DARTSQL2) - [Create New Agency Agreement [SNG]; 09/11/2015 01:58:34]

File View Window Help

Navigation: <No navigable windows available> Actions: <Select an action item>

TSP: 3705 - SOUTHERN NATURAL GAS CO. AGENT: 61000 - TRNG-CHERRY NATURAL GAS SVC REQ: 61000 - TRNG-CHERRY NATURAL GAS

Principal: TRNG-CHERRY NATURAL G

Agent: TRNG-PALM POWER CO.

Start Date: End Date:

Comments:

Save
Continue
Clear
Print Preview
Print

Click Continue.

NetIDart (SQLPREPROD) - [Maintain/Approve Business Functions [SNG]; 09/11/2015 02:08:50]

File View Window Help

Navigation: <Select a navigable window> Actions: <Select an action item>

TSP: 3705 - SOUTHERN NATURAL GAS CO. AGENT: 61000 - TRNG-CHERRY NATURAL GAS SVC REQ: 61000 - TRNG-CHERRY NATURAL GAS

Principal Co ID: TRNG-CHERRY NATURAL G

Agent Co ID: TRNG-PALM POWER CO.

Agent Agrmt Nbr: Status:

Start Date: End Date:

Agents for Company Principals for Company

Retrieve

Clear

** To make a business function contract or point specific, select the business function below and navigate to the Contract Specific or Point Specific screen via the Navigation menu.

Delegation Agreement	Delegation Start Date	Delegation End Date	Agent Co ID	Agent Company	Business Functions	All Ctrct Ind	All Pt Ind	Bus.Func. Start Date	Bus.Func. End Date	Principal Status	A S
▶ 70002	10/01/2015	09/30/2020	61700	TRNG-PALM POWER CO.		Y	Y				

Southern Natural Gas Company, L.L.C.
Morgan operated company

The Maintain/Approve Business Functions screen opens.

NetIDart (SQLPREPROD) - [Maintain/Approve Business Functions [SNG]; 09/11/2015 02:08:50]

File View Window Help

Navigation: <Select a navigable window> Actions: <Select an action item>

TSP: 3705 - SOUTHERN NATURAL GAS CO. AGENT: 61000 - TRNG-CHERRY NATURAL GAS SVC REQ: 61000 - TRNG-CHERRY NATURAL GAS

Principal Co ID: 61000 TRNG-CHERRY NATURAL G

Agent Co ID: 61700 TRNG-PALM POWER CO.

Agent Agrmt Nbr: 70002 Status: []

Start Date: 10/ 1/2015 End Date: 9/30/2020

Agents for Company Principals for Company

Retrieve Clear

** To make a business function contract or point specific, select the business function below and navigate to the Contract Specific or Point Specific screen via the Navigation menu.

Delegation Agreement	Delegation Start Date	Delegation End Date	Agent Co ID	Agent Company	Business Functions	All Ctrct Ind	All Pt Ind	Bus.Func. Start Date	Bus.Func. End Date	Principal Status
70002	10/01/2015	09/30/2020	61700	TRNG-PALM POWER CO.		Y	Y			

Context Menu:

- Approve
- Submit
- Add business function
- Modify business function
- Delete business function
- Print Agency Agreement
- Inquire on item
- Clear
- Retrieve
- WEBE0070 - Contract Specific
- WEBE0080 - Point Specific
- WEBE0200 - Maintain/Approve/Terminate Agency Agreement
- Print
- Save As
- Add to Favorites
- Remove from Favorites

Right click and select add Business Function.

NetIDart (SQLPREPROD) - [Maintain/Approve Business Functions [SNG]; 09/11/2015 02:08:50]

File View Window Help

Navigation: <Select a navigable window> Actions: <Select an action item>

TSP: 3705 - SOUTHERN NATURAL GAS CO. AGENT: 61000 - TRNG-CHERRY NATURAL GAS SVC REQ: 61000 - TRNG-CHERRY NATURAL GAS

Principal Co ID: 61000 TRNG-CHERRY NATURAL G

Agent Co ID: 61700

Agent Agrmt Nbr: 70002

Start Date: 10/ 1/2015

Agents for Company

Delegation Agreement Start Date

Delegation Agreement	Delegation Start Date
70002	10/01/2015

Add/Modify Business Functions

Agreement Nbr: 70002

Principal: 61000 TRNG-CHERRY NATURAL GAS

Agent: 61700 TRNG-PALM POWER CO.

Start Date: 10/ 1/2015 End Date: 9/30/2020

Bus. Funct:

- Select All
- AMRQST - AMENDMENT REQUEST
- CRBIDS - CAP REL BIDS
- CROFFER - CAP REL OFFERS
- CONFIRM - CONFIRMATIONS
- KTEXEC - CONTRACT EXECUTION
- KTINGQ - CONTRACT INQUIRY
- KTRQST - CONTRACT REQUEST
- IMBTRAD - IMBAL TRD/STOR TRANS
- INVOICES - INVOICES
- LDCRPT - LDC Report
- NOMINATE - NOMINATIONS*
- OPERINQ - OPERATOR POINT INQUIRY*
- INVINGQ - VIEW INVOICE
- VOLINQ - VOLUME INQUIRY

Save Clear Continue Print Preview Print

Retrieve Clear

Bus.Func. End Date Principal Status

Select the applicable business functions and click Continue.

Navigation Panel

TSP: 3705 - SOUTHERN NATURAL GAS CO. AGENT: 61000 - TRNG-CHERRY NATURAL GAS SVC REQ: 61000 - TRNG-CHERRY NATURAL GAS

Principal Co ID: TRNG-CHERRY NATURAL G

Agent Co ID: TRNG-PALM POWER CO.

Agent Agrmt Nbr: Status:

Start Date: End Date:

** To make a business function contract or point specific, select the business function below and navigate to the Contract Specific or Point Specific screen via the Navigation menu.

Agents for Company Principals for Company

Delegation Agreement	Delegation Start Date	Delegation End Date	Agent Co ID	Agent Company	Business Functions	All Ctrct Ind	All Pt Ind	Bus.Func. Start Date	Bus.Func. End Date	Principal Status	Agent Status
▶ 70007	11/01/2015	09/30/2020	61700	TRNG-PALM POWER CO.	NOMINATIONS*	Y	Y	11/01/2015	09/30/2020	DRAFT	SUBMITTED
70007	11/01/2015	09/30/2020	61700	TRNG-PALM POWER CO.	BUY SELL DEFAULT	Y	Y	11/01/2015	09/30/2020	DRAFT	SUBMITTED
70007	11/01/2015	09/30/2020	61700	TRNG-PALM POWER CO.	VOLUME INQUIRY	Y	Y	11/01/2015	09/30/2020	DRAFT	SUBMITTED

NetIDart (DARTSQL2) - [Maintain/Approve Business Functions [SNG]; 09/11/2015 03:13:17]

File View Window Help

Navigation: <Select a navigable window> Actions: <Select an action item>

TSP: 3705 - SOUTHERN NATURAL GAS CO. AGENT: 61000 - TRNG-CHERRY NATURAL GAS SVC REQ: 61000 - TRNG-CHERRY NATURAL GAS

Principal Co ID: 61000 TRNG-CHERRY NATURAL G
 Agent Co ID: 61700 TRNG-PALM POWER CO.
 Agent Agrmt Nbr: 70007 Status:
 Start Date: 11/ 1/2015 End Date: 12/31/2049

Agents for Company Principals for Company

Retrieve Clear

Delegation Agreement	Delegation Start Date	Delegation End Date	Agent Co ID	Agent Company	Business Functions	All Ctrct Ind	All Pt Ind	Bus.Func. Start Date	Bus.Func. End Date	Principal Status	Agent Status
70007	11/01/2015	09/30/2020	61700	TRNG-PALM POWER CO.	NOMINATIONS*	Y	Y	11/01/2015	09/30/2020	DRAFT	SUBMITTED
70007	11/01/2015	09/30/2020	61700	TRNG-PALM POWER CO.	BUY SELL DEFAULT	Y	Y	11/01/2015	09/30/2020	DRAFT	SUBMITTED
70007	11/01/2015	09/30/2020	61700	TRNG-PALM POWER CO.	VOLUME INQUIRY	Y	Y	11/01/2015	09/30/2020	DRAFT	SUBMITTED

** To make a business function contract or point specific, select the business function below and navigate to the Contract Specific or Point Specific screen via the Navigation menu.

Approve

Submit

Add business function

Modify business function

Delete business function

Print Agency Agreement

Inquire on item

Clear

Retrieve

WEBE0070 - Contract Specific

WEBE0080 - Point Specific

WEBE0200 - Maintain/Approve/Terminate Agency Agreement

Print

Save As

Add to Favorites

Remove from Favorites

Enter any Contract Specific or Point Specific information on the applicable screen. If all points or all contracts are part of the agency no action is required. Approve the agency.

NetIDart (SQLPREPROD) - [Maintain/Approve Business Functions [SNG]; 09/11/2015 03:50:15]

File View Window Help

Navigation: <Select a navigable window> Actions: <Select an action item>

TSP: 3705 - SOUTHERN NATURAL GAS CO. AGENT: 61000 - TRNG-CHERRY NATURAL GAS SVC REQ: 61000 - TRNG-CHERRY NATURAL GAS

Principal Co ID: 61000 TRNG-CHERRY NATURAL G
 Agent Co ID: 61700 TRNG-PALM POWER CO.
 Agent Agrmt Nbr: 70005 Status:
 Start Date: 9/ 1/2015 End Date: 12/31/2049

Agents for Company Principals for Company

Retrieve
Clear

** To make a business function contract or point specific, select the business function below and navigate to the Contract Specific or Point Specific screen via the Navigation menu.

Delegation Agreement	Delegation Start Date	Delegation End Date	Agent Co ID	Agent Company	Business Functions	All Ctrct Ind	All Pt Ind	Bus.Func. Start Date	Bus.Func. End Date	Principal Status	Agent Status
70005	11/01/2020	09/30/2025	61700	TRNG-PALM POWER CO.	NOMINATIONS*	Y	Y	11/01/2020	09/30/2025	DRAFT	SUBMITTED
70005	11/01/2020	09/30/2025	61700	TRNG-PALM POWER CO.	VOLUME INQUIRY	Y	Y	11/01/2020	09/30/2025	DRAFT	SUBMITTED

DartNetPrincipalAgent

All business functions for this agreement will be APPROVED. Do you wish to continue?

Yes No

The message above will display. Click Yes.

Transporter: SOUTHERN NATURAL GAS CO.

Agency Agreement No. 70002

This Agency Agreement ("Agreement") is entered into effective as of the Effective Start Date specified below, by and between TRNG-REDBUD NATURAL GAS CO. ("Principal" or "Shipper") and TRNG-CHERRY NATURAL GAS ("Agent").

WHEREAS, Principal has rights and obligations with Transporter;

WHEREAS, Principal desires to transfer certain rights and obligations to Agent; and Agent is willing to act as agent for Principal, as described herein;

NOW THEREFORE, Principal and Agent agree as follows:

Principal hereby authorizes Agent to exercise the rights and/or perform the obligations ("Agency Business Functions") as set forth in Exhibit A and as described on Transporter's Interactive Website, for 1) the contract(s) listed on Exhibit A and entered into between Principal and Transporter pursuant to Transporter's FERC Gas Tariff ("Tariff") and managed in Transporter's Interactive Website, 2) the point(s) listed on Exhibit A, and/or 3) other agency function(s) allowed in Transporter's Interactive Website, beginning on the Effective Start Date and end on the End Date, as specified on Exhibit A. Such authorization shall begin on the Effective Start Date and end on the End Date, as specified on Exhibit A. Such authorization shall be as permitted and described on Transporter's Interactive Website. Exhibit A is incorporated by reference into this Agreement. Principal and Agent agree that they are required to comply with all provisions of the contracts listed on Exhibit A.

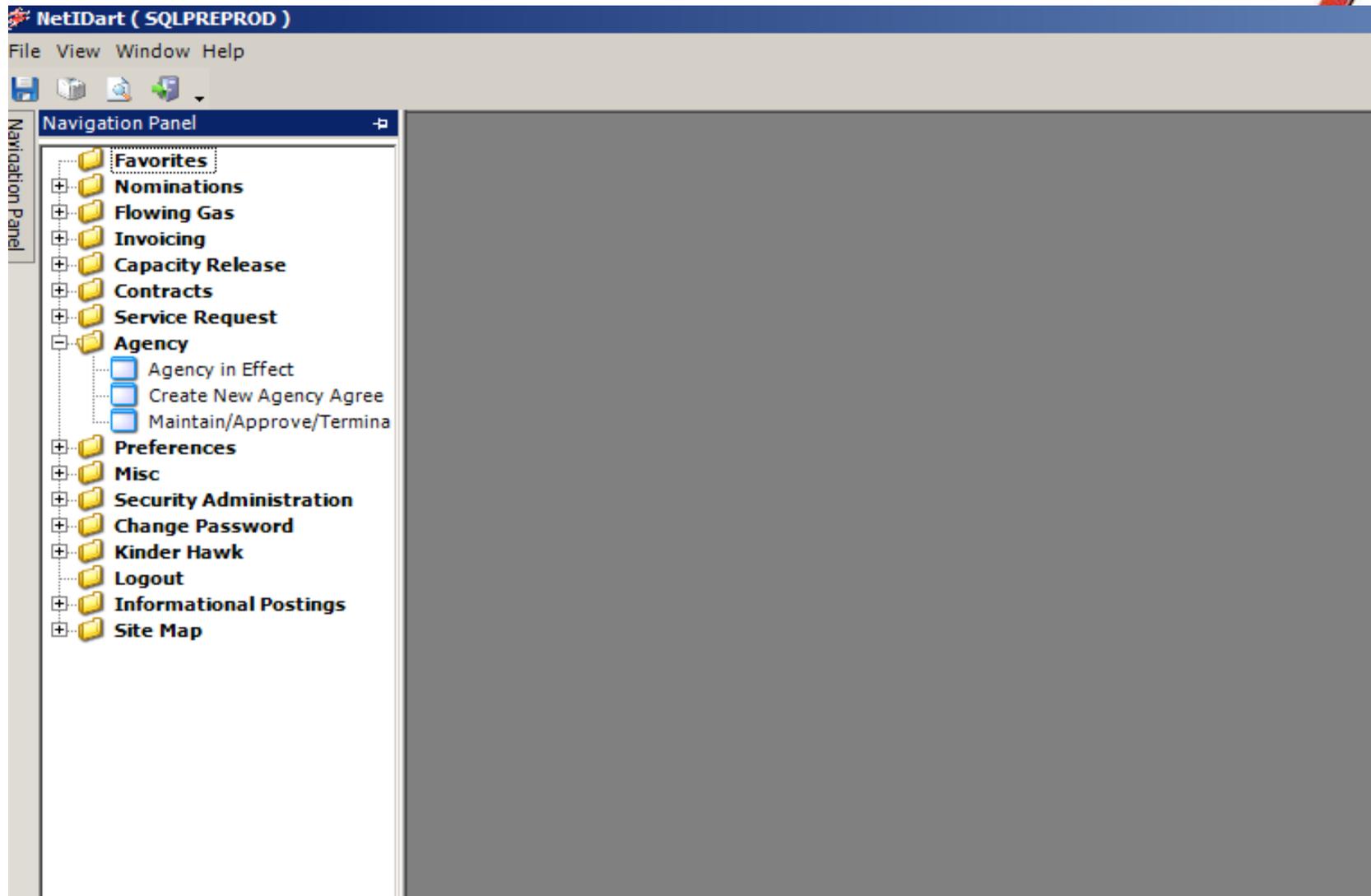
Effective Start Date: 10/01/2015. The Effective Start Date of this Agreement must be executed, via Transporter's Interactive Website, at least two (2) business days prior to the Effective Start Date.

End Date: 12/31/2015. Principal's designation and appointment as agent for Principal shall be for a period of one (1) month, unless otherwise allowed by Transporter; provided that this Agreement may be terminated at any time by the Principal or Agent, but no such termination shall be effective as to Transporter until terminated via Transporter's Interactive Website or by written notice to Transporter (as specified on Transporter's Website) by the terminating party.

By execution hereof, Agent accepts its designation and appointment as agent for Principal and agrees to act as agent for Principal in accordance with the terms hereof. Agent shall clearly specify it is acting on behalf of Principal in all actions taken in its role of Agent. Communications with, or actions by, Agent shall be deemed communications with, or actions by, Principal, and Principal accepts and agrees that Transporter may rely on all such communications by Agent on behalf of Principal rendered under the terms of this Agreement.



The Agency Agreement will display. Review the document and click OK to Approve.



Now the other party must approve for the agency to go into effect. To Approve, open the Agency folder and select Maintain/Approve/Terminate Agency Agreement.

NetDart A (SSQLTQA) - [Maintain/Approve/Terminate Agency Agreement [SNG]; 09/15/2015 09:54:14]

File View Window Help

Navigation: <Select a navigable window> Actions: <Select an action item>

TSP: 3705 - SOUTHERN NATURAL GAS CO. AGENT: 67000 - TRNG-REDBUD NATURAL GAS CO. SVC REQ: 67000 - TRNG-REDBUD NATURAL GAS CO.

Company: 67000 TRNG-REDBUD NATURAL G

Agents for Company Principals for Company Retrieve

Effective From 9/ 1/2015 Thru 12/31/2049 Continue

Delegation Agreement	Delegation Start Date	Delegation End Date	Principal Co ID	Principal Company	Agent Co ID	Agent Company	Comments	Agent Status
	10/01/2015	12/31/2015	67000	TRNG-REDBUD NATURAL GAS CO.	61000	TRNG-CHERRY NATURAL GAS	N	APPROVED
			67000	TRNG-REDBUD NATURAL GAS CO.	61000	TRNG-CHERRY NATURAL GAS	N	SUBMITTED

Navigation Panel

- Terminate Agency Agreement
- Print Agency Agreement
- Copy Agency Agreement
- Modify Agency Agreement
- Withdraw Agency Agreement
- Inquire on item
- Clear
- Retrieve
- WEBE0060 - Maintain/Approve Business Functions
- Print
- Save As
- Add to Favorites
- Remove from Favorites

Right click and select Maintain/Approve Business Functions.

NetIDart A (SQLLTQA) - [Maintain/Approve Business Functions [SNG]; 09/15/2015 09:57:37]

File View Window Help

Navigation: <Select a navigable window> Actions: <Select an action item>

TSP: 3705 - SOUTHERN NATURAL GAS CO. AGENT: 67000 - TRNG-REDBUD NATURAL GAS CO. SVC REQ: 67000 - TRNG-REDBUD NATURAL GAS CO.

Principal Co ID: 67000 TRNG-REDBUD NATURAL G

Agent Co ID: 61000 TRNG-CHERRY NATURAL G

Agent Agrmt Nbr: 70002 Status: []

Start Date: 9/ 1/2015 End Date: 12/31/2049

Agents for Company Principals for Company

Retrieve Clear

** To make a business function contract or point specific, select the business function below and navigate to the Contract Specific or Point Specific screen via the Navigation menu.

Delegation Agreement	Delegation Start Date	Delegation End Date	Agent Co ID	Agent Company	Business Functions	All Ctrct Ind	All Pt Ind	Bus.Func. Start Date	Bus.Func. End Date	Principal Status
70002	10/01/2015	12/31/2015	61000	TRNG-CHERRY NATURAL GAS	AMENDMENT REQUEST	Y	Y	10/01/2015	12/31/2015	SUBMITTED
70002	10/01/2015	12/31/2015						10/01/2015	12/31/2015	SUBMITTED
70002	10/01/2015	12/31/2015						10/01/2015	12/31/2015	SUBMITTED
70002	10/01/2015	12/31/2015						10/01/2015	12/31/2015	SUBMITTED
70002	10/01/2015	12/31/2015						10/01/2015	12/31/2015	SUBMITTED
70002	10/01/2015	12/31/2015	61000	TRNG-CHERRY NATURAL GAS	CONTRACT REQUEST	Y	Y	10/01/2015	12/31/2015	SUBMITTED
70002	10/01/2015	12/31/2015	61000	TRNG-CHERRY NATURAL GAS	IMBAL TRD/STOR TRANS	Y	Y	10/01/2015	12/31/2015	SUBMITTED
70002	10/01/2015	12/31/2015	61000	TRNG-CHERRY NATURAL GAS	Imbalance Aggregation	Y	Y	10/01/2015	12/31/2015	SUBMITTED
70002	10/01/2015	12/31/2015	61000	TRNG-CHERRY NATURAL GAS	INVOICES	Y	Y	10/01/2015	12/31/2015	SUBMITTED
70002	10/01/2015	12/31/2015	61000	TRNG-CHERRY NATURAL GAS	LDC Report	Y	Y	10/01/2015	12/31/2015	SUBMITTED
70002	10/01/2015	12/31/2015	61000	TRNG-CHERRY NATURAL GAS	NOMINATIONS*	Y	Y	10/01/2015	12/31/2015	SUBMITTED
70002	10/01/2015	12/31/2015	61000	TRNG-CHERRY NATURAL GAS	OPERATOR POINT INQUIRY*	Y	Y	10/01/2015	12/31/2015	SUBMITTED

DartNetPrincipalAgent

All business functions for this agreement will be APPROVED. Do you wish to continue?

Yes No

The message above will display. Click Yes.

Transporter: SOUTHERN NATURAL GAS CO.

Agency Agreement No. 70002

This Agency Agreement ("Agreement") is entered into effective as of the Effective Start Date specified below, by and between TRNG-REDBUD NATURAL GAS CO. ("Principal" or "Shipper") and TRNG-CHERRY NATURAL GAS ("Agent").

WHEREAS, Principal has rights and obligations with Transporter;

WHEREAS, Principal desires to transfer certain rights and obligations to Agent; and Agent is willing to act as agent for Principal, as described herein;

NOW THEREFORE, Principal and Agent agree as follows:

Principal hereby authorizes Agent to exercise the rights and/or perform the obligations ("Agency Business Functions") as set forth in Exhibit A and as described on Transporter's Interactive Website, for 1) the contract(s) listed on Exhibit A and entered into between Principal and Transporter pursuant to Transporter's FERC Gas Tariff ("Tariff") and managed in Transporter's Interactive Website, 2) the point(s) listed on Exhibit A, and/or 3) other agency function(s) allowed in Transporter's Interactive Website, beginning on the Effective Start Date and end on the End Date, as specified on Exhibit A. Such authorization shall begin on the Effective Start Date and end on the End Date, as specified on Exhibit A. Exhibit A is incorporated by reference into this Agreement. Principal and Agent agree that they are required to comply with all provisions of the contracts listed on Exhibit A. Such authorization shall be as permitted and described on Transporter's Interactive Website. Exhibit A is incorporated by reference into this Agreement. Principal and Agent agree that they are required to comply with all provisions of the contracts listed on Exhibit A.

Effective Start Date: 10/01/2015. The Effective Start Date of this Agreement must be executed, via Transporter's Interactive Website, at least two (2) business days prior to the Effective Start Date.

End Date: 12/31/2015. Principal's designation and appointment as agent for Principal shall be effective for a one (1) month, unless otherwise allowed by Transporter; provided that this Agreement may be terminated at any time by the Principal or Agent, but no such termination shall be effective as to Transporter until terminated via Transporter's Interactive Website or by written notice to Transporter (as specified on Transporter's Website) by the terminating party.

By execution hereof, Agent accepts its designation and appointment as agent for Principal and agrees to act as agent for Principal in accordance with the terms hereof. Agent shall clearly specify it is acting on behalf of Principal in all actions taken in its role of Agent. Communications with, or actions by, Agent shall be deemed communications with, or actions by, Principal, and Principal accepts and agrees that Transporter may rely on all such communications by Agent on behalf of Principal rendered under the terms of this Agreement.



The Agency Agreement will display. Review the document and click OK to Approve. The Agency Agreement will go into effect on the Start Date.

Nominations

DART Transaction Type Reference

Vol Type - Transaction Type Description	TT
Buy (Current Business)	01
Sell (Current Business)	01
Transport (Current Business)	01
Trans(Authorized Contract Overrun)	02
Payback (Imbalance Payback From TSP)	03
Payback (Imbalance Payback To TSP)	04
Injection (Storage Injection)	06
Withdrawal (Storage Withdrawal)	07
Pooling	08
Off-system Market	117
Off-system Supply	118
Park	26
Park Withdrawal	27
Loan	28
Loan Payback	29
Purchase	119
Sale	120

SNG Retro Policy

- SNG has established procedures and guidelines to ensure a non-discriminatory policy
- Not acceptable reasons for retros:
 - Change of scheduled volumes cannot create/remove a potential penalty charge in an area under an OFO
 - Reallocation of supply and/or market after gas day is complete- these should be requested as out of cycle nominations
 - Increase in nominations through a restricted area
 - Requests that would put any party or meter further out of balance with the pipeline

SNG Retro Procedure

- Procedure:
 - Email SNG Scheduling Rep via SNGSchedulers@kindermorgan.com
 - Email within 7 days of the impacted gas day
 - Email should include: reason for the change and include all relevant information (Date ,GID ,PIN)
 - The email should also include all counterparty approvals (upstream/downstream)
 - Submit changes for ID3 of the gas day in question in DART
 - SNG will review the request in detail and approve/disapprove
 - SNG reviews all requests in detail and reserves the right to disapprove a submitted retro request that does not meet our pipeline requirements

SNG Out of Cycle Nomination Policy

- Request must be made and approved prior to 9:00 am and should be made as soon as the need for a change is recognized. The request must be in good faith effort to true up before the gas day ends. Changes to ID3 on an OFO day will be evaluated against system constraints.
- Procedure:
 - Shipper sends out of cycle request to the following:
 - SNGSchedulers@KinderMorgan.com
 - [Maurice HartIII@KinderMorgan.com](mailto:Maurice_HartIII@KinderMorgan.com) ; Gas Control Manager and [Katlynn Cornutt@Kindermorgan.com](mailto:Katlynn_Cornutt@Kindermorgan.com) ; Scheduling Manager
 - Shipper must also copy all impacted parties for their approval.
- Once all impacted parties have agreed to the Out-of-Cycle Nomination and once approvals are received SNG will approve or deny the request via email.
- If approved, SNG will coordinate with shipper to enter the retro batch via DART with only the impacted pins.
- SNG reviews all requests in detail and reserves the right to disapprove a submitted Out of Cycle Nomination request that does not meet our pipeline requirements

EPSQ Policy

- EPSQ request must be made and approved prior to nomination deadline for ID1, ID2, and ID3
- EPSQ request must be made via email to SNGSchedulers@kindermorgan.com
- Shipper must also copy all impacted parties for their approval
- Once all impacted parties have agreed SNG will approve or deny the EPSQ request via email

EPSQ Calculation

- $ID1 = \text{Evening} * (5/24)$
- $ID2 = \text{Lesser of } ((\text{Evening} * (5/24)) + ((ID1 - (\text{Evening} * (5/24))) * (4/19))) \text{ OR } (ID1 \text{ Scheduled volume})$
- $ID3 = \text{Lesser of } ((\text{Evening} * (5/24)) + ((ID1 - (\text{Evening} * (5/24))) * (4/19))) + ((ID2 - (\text{Evening} * (5/24)) + ((ID1 - (\text{Evening} * (5/24))) * (4/19))) * (4/15))) \text{ OR } (ID2 \text{ Scheduled volume})$

Hold Status

- Your nomination will be in hold status if you are submitting your nomination for a future cycle and the current cycle deadline has not passed yet
- Your nomination comes out of hold status after 1 hour after the nom deadline of the previous cycle deadline has passed



Southern Natural Gas Customer Working Group

***September 19, 2019
9:00 a.m. CST***



Welcome

Gina Mabry
Director - Eastern Region Scheduling

Krysta Henry
Scheduling Representative
CWG Coordinator



Purpose of the SNG Customer Working Group

To develop consensus and prioritization of improvements to DART or other processes through collaboration, idea sharing, and feedback



SNG Customer Working Group

- Established in April 2016 during the transition from Premier to DART
- Comprised of 20 companies and 15 internal SNG members; 43 members total
- Semi-Annual meetings via WebEx and/or Face-to-Face to discuss current business and member's enhancement requests
- 34 enhancements completed since the groups inception and 2 currently in-progress to be completed this year



Agenda

- DART Prioritization List
- Scheduling Updates & Open Forum
- Contracts Updates & Open Forum
- Commercial
- Next Steps



Current CWG Members

<i>Southern Natural Gas Representatives</i>	
Carl Haga	VP, Commercial
Gene Nowak	VP, Transportation & Storage Services
Kathy Hayman	Director, Business Processes
Jill Hinkle	Director, Contract Administration
Gina Mabry	Director, Scheduling
Darryl Outlaw	Director, Commercial
Sherry Noack	Manager, Contract Administration
Reese Hart	Manager, Gas Control
Walter Coe	Account Manager
Lisa Guthrie	Account Manager
Jerry Nelson	Account Manager
Cathy Soape	WEAR Manager, SNG Scheduling
Katie Cornutt	DSR Manager, SNG Scheduling
Tracy Minter	SNG Scheduling Representative
Krysta Henry	Customer Working Group Coordinator

<i>Customer Work Group Company Participants</i>
Atlanta Gas Light
BP
FireSide Natural Gas
Huntsville Utilities
Infinite Energy
Interconn Resources
Municipal Gas Authority of Georgia
PCS Nitrogen
Pesco Energy
SCANA Energy Marketing Inc.
SCE&G
SEGAS
Sequent
Shell Energy North America
Southern Company
Southstar Energy
Spire Alabama
Teco Energy
Texican Natural Gas
Texla Energy Management



Prioritization List Status

SNG Customer Working Group					
Newly Prioritized Request List					
#	Request Description/Question	Screen (If provided)	Topic Area	Status as of April WebEx	Status as of September WebEx
6	Break the Petal Storage Interconnect into separate receipt and delivery points		Scheduling	In Progress	Completed
7	Creating a column on the MDQ Utilization screen that captures just the total nomination on FT, FTNN, MFTE, etc. as it was previous Dec 1, 2017	MDQ Utilization	Scheduling	In Progress	Completed
New Item	We would like to have a report that would list all delivery meters individually, but within the same report. We would like the data that is on the NAESB Meas Info screen, but we would prefer not to enter each pin individually	Meaurement Screen	Measurement		Completed: Customer Training Item (Contract Point Activity Report)
New Item	Correct Tab Order when setting up Business Preferences window. Ex. Currently tabs from email address to title to office phone to confirm email.		Scheduling		Completed
New Item	To have a 0 Line item record within a nomination to populate instead of needing to enter a 1 dth, hit save, and then go back and enter 0's to save the line item so it holds for the month.		Scheduling		In Progress
New Item	We would like SNG to provide a graphical pipe display within DART which will show the path of the gas flowing from receipt to delivery pin.		Scheduling		Evaluation in Progress



Scheduling Update

Tracy Minter
SNG Scheduling Representative

Katie Cornutt
Manager- Scheduling



Completed: New Request

- Correct Tab Order when setting up Business Preferences window. Ex. Currently tabs from email address to title to office phone to confirm email.

Add Screen [Close]

Business Function: Contact Role:

Contact Name:

Email Address:

Confirm Email:

Office Phone#: () - After Hours Phone#: () -

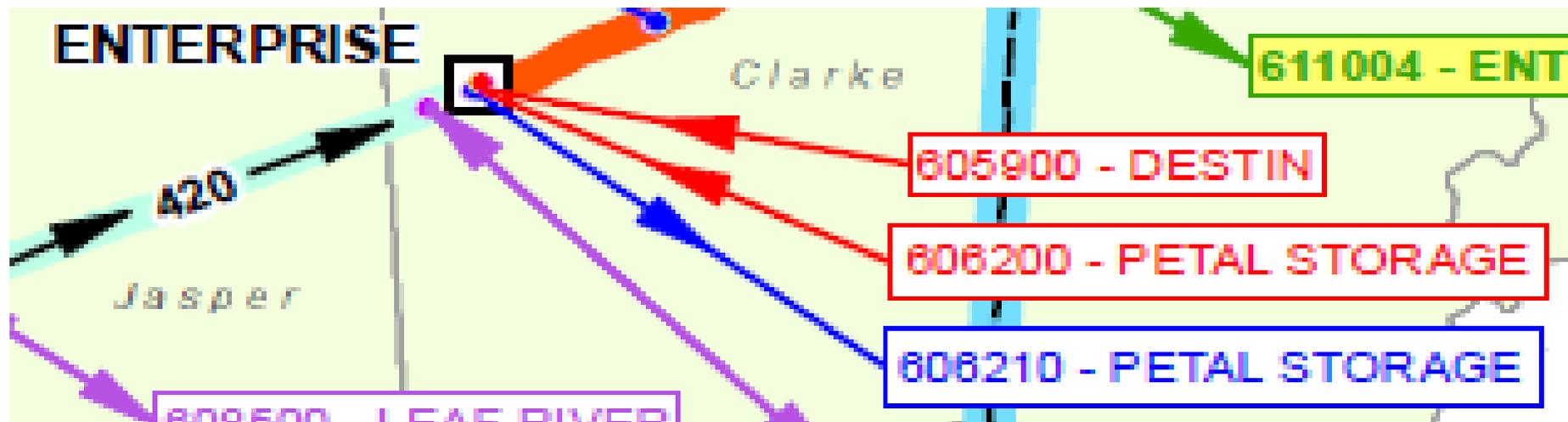
Pager#: () - Fax#: () -

Title: Mobile#: () -

Delivery Preference:

Completed: Requested Item #6

- Break the Petal Storage Interconnect into separate Receipt and Delivery points
 - 606200 – Gulf South/SNG Petal Clarke Receipt – will be utilized for Receipt (Withdrawal) nominations
 - 606210- Gulf South/SNG Petal Clarke Delivery-will be utilized for Delivery (Injection) nominations





Completed: Requested Item # 7

- Creating a column on the MDQ Utilization screen that captures just the total nomination on FT, FTNN, MFTE, etc. as it was previous Dec 1, 2017

MDQ Utilization/Overrun Analysis [SNG]; 09/10/2019 04:25:37

Contract Zone Summary [SNG]; 09/10/2019 04:27:04

Contract MDQ Seg Usage [SNG]; 09/10/2019 04:27:22

TSP: 3705 - SOUTHERN NATURAL GAS CO. AGENT

SVC REQ:

Company:

Flow Date: 9/11/2019 Cycle: Best Available

Retrieve Clear

Include Nom in Draft and Hold Status

Contract MDQ Seg Usage Contract Zone Summary Contract MDQ Utilization

The Overrun Analysis process on this and subsequent pages is provided as a matter of customer service. Shipper's use of this information will not affect any of a shipper's rights or obligations under any of contractual agreement or under any provisions of the pipeline's FERC Gas Tariff. If the "Include Nom in Draft and Hold Status" option is selected, the last "draft" and "hold" batch of unsubmitted nominations for this gas day will also be included in the analysis. The results of this analysis for segmented capacity release contracts and associated replacement contracts are subject to change if subsequent nominations are submitted by other shippers nominating under contracts which are related to the releasing contract.

CTRCTID	Service	MDQ (DTH)	Total Nominate (DTH)	Nominated(DT Seg of Highest)	Scheduled (DTH)	MDQ-Nominated Difference* (DTH)	Overrun	Nominated Overrun(DTH)
	MFN	61	0	0	0	61		
	MFT	44	44	26	26	18		100
	MFT	9	0	0	0	9		
	MFTE	6	106	106	106	(100)	Yes	
	MFT	2	0	0	0	2		



MDQ Utilization/Overrun Analysis

MDQ Utilization/Overrun Analysis [SNG]: 09/10/2019 04:25:37 Contract Zone Summary [SNG]: 09/10/2019 04:27:04 Contract MDQ Seg Usage [SNG]: 09/10/2019 04:27:22

TSP: 3705 - SOUTHERN NATURAL GAS CO. AGENT SVC REQ:

Company:

Flow Date: 9/11/2019 Cycle: Best Available

Include Nom in Draft and Hold Status

Retrieve Clear

Contract MDQ Seg Usage **Contract Zone Summary** Contract MDQ Utilization

The Overrun Analysis process on this and subsequent pages is provided as a matter of customer service. Shipper's use of this information will not affect any of a shipper's rights or obligations under any of contractual agreement or under any provisions of the pipeline's FERC Gas Tariff. If the "Include Nom in Draft and Hold Status" option is selected, the last "draft" and "hold" batch of unsubmitted nominations for this gas day will also be included in the analysis. The results of this analysis for segmented capacity release contracts and associated replacement contracts are subject to change if subsequent nominations are submitted by other shippers nominating under contracts which are related to the releasing contract.

CTRCTID	Service	MDQ (DTH)	Total Nominate (DTH)	Nominated(DT Seg of Highest)	Scheduled (DTH)	MDQ-Nominated Difference* (DTH)	Overrun	Nominated Overrun(DTH)
	MFN	61	0	0	0	61		
	MFT	44	44	26	26	18		100
	MFT	9	0	0	0	9		
	MFTE	6	106	106	106	(100)	Yes	
	MFT	2	0	0	0	2		

MDQ Utilization/Overrun Analysis- Contract Zone Summary



Contract MDQ Seg Usage [SNG]: 09/10/2019 04:31:54 Contract Segment Detail [SNG]: 09/10/2019 04:32:25 **Contract Zone Summary [SNG]: 09/10/2019 04:33:53**

TSP: 3705 - SOUTHERN NATURAL GAS CO. AGENT: SVC REQ:

Contract Zone Detail

Report Date: 9/10/2019 4:33:53 PM

SVC REQ:

Contract ID: Type: TFO Svc Type: MFTE

Flow Date: 9/11/2019

Receipt Zone	Nominated Zone Usage	Scheduled Zone Usage	Zone Rights	Zone Overrun	Nominated Overrun(DTH)
Zone 0	6	6	6	0	
Zone 1	6	6	6	0	
Zone 2	6	6	6	0	
Zone 3	106	106	6	100	

#20101 - Nomination is over by 100 Z-3 K- AO required.

MDQ Utilization/Overrun Analysis- Contract Zone Detail



Contract Segment Detail [SNG]; 09/10/2019 04:32:25 Contract Zone Summary [SNG]; 09/10/2019 04:33:53 **Contract Zone Detail [SNG]; 09/10/2019 04:34:10**

TSP: 3705 - SOUTHERN NATURAL GAS CO. AGENT: SVC REQ:

Contract MDQ Utilization Contract Zone Summary Close

Main Report

SAP CRYSTAL REPORTS*

TSP : 3705 SOUTHERN NATURAL GAS CO.
SVC REQ :
Zone ID : 03 Name :
Contract ID : Type : Svc : MFTE Flow Date : 09/11/2019
PIN of Highest Usage : 50069 TRNSCO/SNG FAIRBURN TO SNG FAYETTE

ZONE USAGE AND OVERRUN DETAIL												
Receipt Location				Delivery Location				Path Volumes				
Loc #	Description	Rec Zone	Rcpt Flow Type	Route	Loc#	Description	Del Zone	Dlvy Flow Type	Receipt Dth	Adjustment Fuel	Delivery Dth	NetPoint Dth
50069	TRNSCO/SNG FAIRBURN TO SNG FAYETTE	ZNS	RECEIPT	DEFAULT	940016	AG/SNG AUGUSTA AREA RICHMOND	ZNS	DELIVERY	106	0	106	106
511001	SOUTHLAZONE/POOL	ZNS	POOLING	DEFAULT	940016	AG/SNG AUGUSTA AREA RICHMOND	ZNS	DELIVERY	0	0	0	0
Total :									106	0	106	106

ZONE RIGHTS

Type of Receipt Zone Rights	Zone Rights Dth / Day
Total Zone Rights :	6
Additional Rights :	
Shipper Overrun :	100
Fmily Of Contracts Overrun :	0



MDQ Utilization/Overrun Analysis

MDQ Utilization/Overrun Analysis [SNG]: 09/10/2019 04:25:37 Contract Zone Summary [SNG]: 09/10/2019 04:27:04 Contract MDQ Seg Usage [SNG]: 09/10/2019 04:27:22

TSP: 3705 - SOUTHERN NATURAL GAS CO. AGENT SVC REQ:

Company:

Flow Date: 9/11/2019 Cycle: Best Available Retrieve Clear

Include Nom in Draft and Hold Status

The Overrun Analysis process on this and subsequent pages is provided as a matter of customer service. Shipper's use of this information will not affect any of a shipper's rights or obligations under any of contractual agreement or under any provisions of the pipeline's FERC Gas Tariff. If the "Include Nom in Draft and Hold Status" option is selected, the last "draft" and "hold" batch of unsubmitted nominations for this gas day will also be included in the analysis. The results of this analysis for segmented capacity release contracts and associated replacement contracts are subject to change if subsequent nominations are submitted by other shippers nominating under contracts which are related to the releasing contract.

Contract MDQ Seg Usage **Contract Zone Summary** Contract MDQ Utilization

CTRCTID	Service	MDQ (DTH)	Total Nominate (DTH)	Nominated(DT Seg of Highest)	Scheduled (DTH)	MDQ-Nominated Difference* (DTH)	Overrun	Nominated Overrun(DTH)
	MFN	61	0	0	0	61		
	MFT	44	44	26	26	18		100
	MFT	9	0	0	0	9		
	MFTE	6	106	106	106	(100)	Yes	
	MFT	2	0	0	0	2		



MDQ Utilization/Overrun Analysis- Contract MDQ Seg Usage

Contract MDQ Seg Usage [SNG]; 09/10/2019 04:31:54 Contract Segment Detail [SNG]; 09/10/2019 04:32:25 **Contract MDQ Seg Usage [SNG]; 09/10/2019 04:35:16**

TSP: 3705 - SOUTHERN NATURAL GAS CO. AGENT: SVC REQ:

Contract Segment Detail

Report Date: 9/10/2019 4:35:16 PM

SVC REQ:

Contract ID: Type: TFO Svc Type: MFTE

Flow Date: 9/11/2019

Zone View **Segment View**

Seg	Seg Name	Nominated Seg Usage	Scheduled Seg Usage	Seg Overrun	Nominated Seg Overrun
360	E/W LEG JUNCT TO ZN 0/1 BNDARY	0	0	0	
365	CAP REL ZONE 0 TO 1 S BOUNDARY	0	0	0	
370	ZONE 0/1 BOUNDARY TO SESH	0	0	0	
390	SESH INTERCONNECT TO GWINVILLE	0	0	0	
410	GWINVILLE TO BAY SPRINGS	0	0	0	
420	BAY SPRINGS TO ENTERPRISE	0	0	0	
430	ENTERPRISE TO ZONE 1/2 BNDARY	0	0	0	
435	CAP REL ZONE 1 TO 2 S BOUNDARY	0	0	0	
440	ZONE 1/2 BOUNDARY TO SELMA	0	0	0	
460	SELMA TO LEE COUNTY	0	0	0	
480	LEE COUNTY TO ZONE 2/3 BNDARY	0	0	0	
485	CAP REL ZONE 2 TO 3 S BOUNDARY	0	0	0	
490	ZONE 2/3 BOUNDARY TO THOMASTON	0	0	0	
500	SOUTH ATL LINE-ML TO MCDONOUGH	106	106	100	
510	SOUTH ATLANTA LINE	106	106	100	
530	THOMASTON TO BRUNSWICK LINE	106	106	100	
560	BRUNSWICK LINE TO WRENS	106	106	100	
570	WRENS TO AIKEN	106	106	100	

MDQ Utilization/Overrun Analysis- Contract Segment Detail



Contract Segment Detail [SNG]: 09/10/2019 04:32:25 Contract MDQ Seg Usage [SNG]: 09/10/2019 04:35:16 **Contract Segment Detail [SNG]: 09/10/2019 04:35:36**

TSP: 3705 - SOUTHERN NATURAL GAS CO. AGENT: SVC REQ:

Contract MDQ Utilization Contract Segment Summary Close

SAP CRYSTAL REPORTS*

Main Report

TSP : 3705 SOUTHERN NATURAL GAS CO. Report Date : 09/10/2019
SVC REQ :
SEG NBR : 570 WRENS TO AIKEN
Contract ID : Type : TFO Svc : MFTE Flow Date : 09/11/2019
PIN of Highest Usage : 50069 Name : TRNSCO/SNG FAIRBURN TO SNG FAYE

SEGMENT USAGE AND OVERRUN DETAIL

Receipt Location				Delivery Location				Path Volumes				
Loc #	Description	Rec Zone	Rcpt Flow Type	Route	Loc #	Description	Del Zone	Dlvy Flow Type	Receipt Dth	Adjustment Fuel	Delivery Dth	Net Point Dth
50069	TRNSCO/SNG FAIRBURN TO SNG FAYETTE	03	RECEIPT	DEFAULT	940016	AGL/SNG AUGUSTA AREA RICHMOND	03	DELIVERY	106	0	106	106
511001	SOUTH LA ZONE 0 POOL	00	POOLING	DEFAULT	940016	AGL/SNG AUGUSTA AREA RICHMOND	03	DELIVERY	0	0	0	0
Total :									106	0	106	106

SEGMENT RIGHTS

Type of Receipt Segment Rights	Segment Rights Dth / Day
Total Segment Rights :	6
Shipper Overrun :	100
Fmly of Contracts Overrun :	0
Total Segment Nominated Overrun :	0



Completed: DART Enhancement

- Segment Name Changes
- Effective September 1, 2019

Before	After
<p><u>RESTRICTIONS (SEGMENT)</u></p> <ul style="list-style-type: none">• 30 (ZONE 0/1 BOUNDARY TO ONWARD) At Operating Capacity• 380 (SNG-SESH) At Operating Capacity – Reductions into OP Services – Reference Notice ID# 703650.• 580 (SAVANNAH LINE – ML TO CYPRESS) At Operating Capacity	<p><u>RESTRICTIONS (SEGMENT)</u></p> <ul style="list-style-type: none">• 30 (ONWARD) At Operating Capacity• 380 (SNG-SESH) At Operating Capacity – Reductions into OP Services – Reference Notice ID# 703650.• 580 (WRENS SOUTH) At Operating Capacity



Completed: DART Enhancement

- Report Subscription Enhancement
 - Internal users will be able to see reports that external users are subscribed to and be able to query, modify and assist with troubleshooting the subscriptions



In Progress: DART Enhancement

- Contact and After Hours information if currently provided in DART

The screenshot shows a software window titled "Add screen" with the following fields and values:

TSP Prop:	4052	TSP Name:	TENNESSEE GAS PIPELINE	TSP:	1309164	Save
Svc Req Prop:	13203	Svc Req Name:	CONNECTICUT NATURAL GAS CORP	Svc Req:	1133294	Cancel
Agent Prop:	13203	Agent Name:	CONNECTICUT NATURAL GAS CORP	Agent:	1133294	

Below the table are date pickers for "Beg Date" (7/13/2019) and "End Date" (7/31/2019), a "Cycle" dropdown menu set to "BEST AVAILABLE", and text input fields for "Contact Name" (Robert Lasanki) and "Contact Phone" (8607273167).

A red box highlights the following section:

Contact Cell:
Contact After Hours: 203-874-6763

Below this is a "Description:" label and a large empty text area. At the bottom, there are radio buttons for "Shipper" (selected) and "Operator".



In Progress: New Request

- To populate a 0 Line item record within a nomination instead of needing to create individual batch “work-arounds.”
 - Currently, we create a batch, enter a 1 Dth, save the nomination, and then go back and enter 0's for all line items so it holds for the month.



Scheduling Open Forum



Contracts & Capacity Release Update



Releases Permitted without Posting and Bidding Requirements

- a) Short-Term Release: The Release is for a period of 31 days or less provided that:
 - I. A re-release to the same Replacement Shipper may not commence until 28 days after the first release period has ended.
 - II. No maximum tariff rate limitation.

- b) Maximum Rate Release: The release is to a Prearranged Bidder for longer than one (1) year at the maximum rate(s).

- c) Release to an Asset Manager.

- d) Release to a Marketer in a State-Regulated Retail Access.



Applicable Deadlines

a) Biddable Releases (1 year or less):

- i. No maximum tariff rate limitation.
- ii. Biddable for all capacity releases (excluding AMA/RCP and Short Term releases as described on previous slide, section a).
- iii. Offers tendered by 9:00 a.m. on a Business Day.
- iv. Open season ends at 10:00 a.m. on the same or a subsequent Business Day.
- v. Evaluation period begins at 10:00 a.m.
- vi. If no match is required, Award is posted by 11:00 a.m.
- vii. Where Match is required, match response is due by 11:30 a.m.
- viii. The contract is issued within one hour of the Award posting.
- ix. Nomination is possible beginning at the next available nomination cycle for the effective date of the contract.

* All time are Central Clock Time



Applicable Deadlines (cont'd)

- Biddable Releases (more than 1 year):
 - i. May not exceed the maximum tariff rate.
 - ii. Biddable if less than maximum rate (excluding AMA/RCP).
 - iii. Offers tendered by 9:00 a.m. on a Business Day.
 - iv. Open season shall include no less than three 9:00 a.m. to 10:00 a.m. time periods on consecutive Business Days.
 - v. Evaluation period begins at 10:00 a.m.
 - vi. If no match is required, Award is posted by 11:00 a.m.
 - vii. Where Match is required, match response is due by 11:30 a.m.
 - viii. The contract is issued within one hour of the Award posting.
 - ix. Nomination is possible beginning at the next available nomination cycle for the effective date of the contract.

* All times are Central Clock Time



Recall Notification Periods

- a) Timely Recall – 8:00 a.m. on the day Timely Nominations are due.
- b) Early Evening Recall – 3:00 p.m. on the day Evening Nominations are due.
- c) Evening Recall – 5:00 p.m. on the day Evening Nominations are due.
- d) Intraday 1 Recall – 7:00 p.m. on the day Intraday 1 Nominations are due.
- e) Intraday 2 Recall – 12:00 p.m. on the day Intraday 2 Nominations are due.
- f) Intraday 3 Recall – 4:00 p.m. on the day Intraday 3 Nominations are due.

* All times are Central Clock Time



Contracts & Capacity Release Open Forum



Commercial Open Forum



Next Steps



Next Steps

- Next Customer Working Group WebEx Meeting
 - March 17th
 - April 2nd

- Solicitation of Ideas



Thank You for Your Business!
