

TENNESSEE GAS PIPELINE ANNUAL CUSTOMER MEETING

OPENING REMARKS

VICE PRESIDENT – COMMERCIAL MARKETING

AUGUST 22, 2019



BUSINESS UPDATE

KINDER MORGAN

KIMBERLY WATSON

PRESIDENT – NORTH REGION PIPELINES

NASHVILLE, TENNESSEE AUGUST 22, 2019



FORWARD-LOOKING STATEMENT/ NON- GAAP FINANCIAL MEASURES

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 the ability to generate revenues, income or cash flow or to pay dividends 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 forwardlooking 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.

We use non-generally accepted accounting principles ("non-GAAP") financial measures in this presentation. Our reconciliation of non-GAAP financial measures to comparable GAAP measures can be found in the Appendix to our Analyst Day presentation, dated 1/28/2015, on our website at www.kindermorgan.com. These non-GAAP measures should not be considered an alternative to GAAP financial measures.



KINDER MORGAN: LEADER IN NORTH AMERICAN ENERGY INFRASTRUCTURE

Largest natural gas transmission network

- ~70,000 miles of natural gas pipelines
- 657 Bcfd of working storage capacity
- Connected to every important U.S. natural gas resource play and key demand centers
- Move ~40% of natural gas consumed in the U.S.

Largest independent transporter of refined products

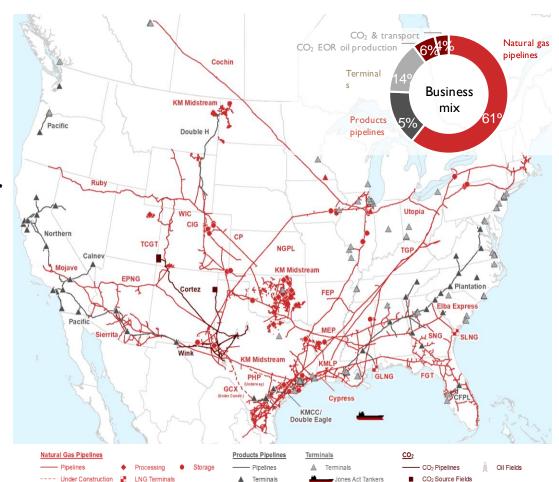
- Transport ~1.7 mmbbld of refined products
- ~6,900 miles of refined products pipelines
- ~5,800 miles of other liquids pipelines (crude and natural gas liquids)

Largest independent terminal operator

- 157 terminals
- I 6 Jones Act vessels

Largest transporter of CO₂

Transport ~1.2 Bcfd of CO₂



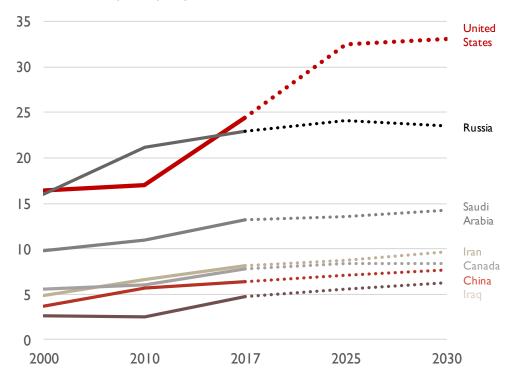


U.S. IS LARGEST OIL AND GAS PRODUCER IN THE WORLD

Reaching demand markets abroad expected to drive higher utilization of existing infrastructure and expansion opportunities

OIL AND NATURAL GAS PRODUCTION

Million barrels of oil equivalent per day



Source: International Energy Agency World Energy Outlook 2018, New Policies Scenario.

Unmatched growth in U.S. oil and gas production

- ~33% expected growth in U.S. oil and natural gas production by 2025
- U.S. to deliver over 50% of expected global supply increase through 2025
- U.S. to produce nearly I out of every 5 barrels of oil and I out of every 4 cubic meters of natural gas in the world by 2025

U.S. advantaged to serve as the preferred trade partner to growing demand markets

- Competitive marketplace driving innovation
- Robust infrastructure network
- Reliable rule of law with enforceable contracts
- Relatively stable regulatory environment

Energy security is key to ensure affordable, reliable resources reach growing demand markets



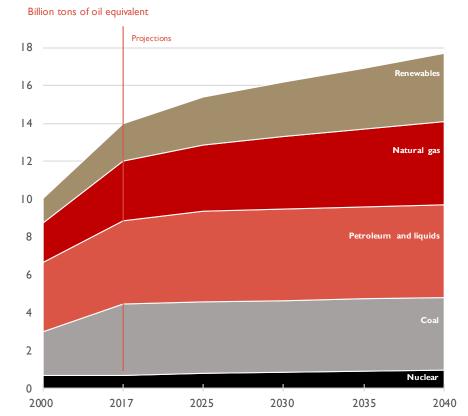
GLOBAL ENERGY DEMAND EXPECTED TO GROW FOR DECADES TO COME

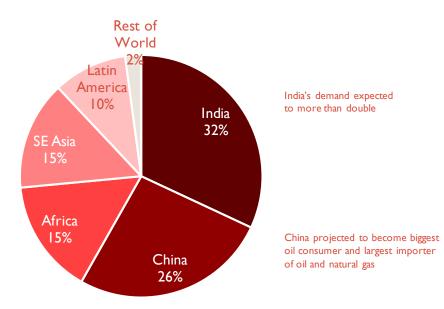
More than 650 million people still expected to lack access to electricity in 2030

STEADY GROWTH IN GLOBAL ENERGY DEMAND

DEMAND GROWTH DRIVEN BY DEVELOPING ECONOMIES

% of projected incremental demand from 2017 to 2040



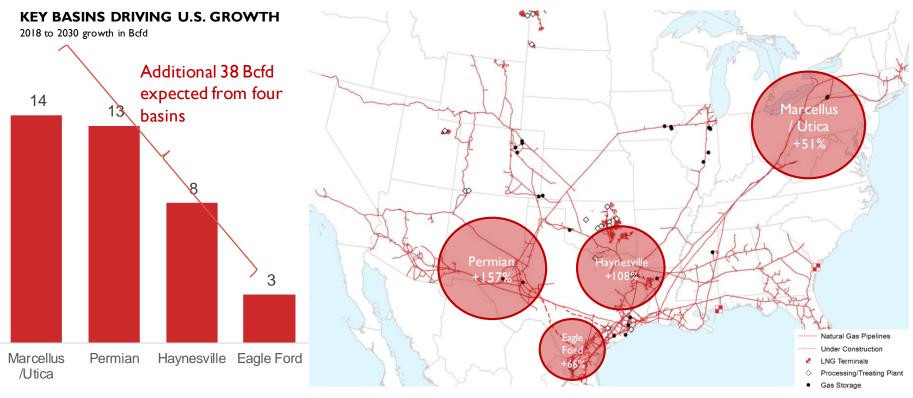


Population growth, urbanization and economic development create growing demand for affordable, reliable energy sources

Source: International Energy Agency World Energy Outlook 2018, New Policies Scenario. New Policy Scenario considers (1) today's policy frameworks (2) the continued evolution of known technologies and (3) policy ambitions amounced as of August 2018, including commitments made under the Paris Agreement.



SUBSTANTIAL GROWTH PROJECTED FOR U.S. NATURAL GAS SUPPLY



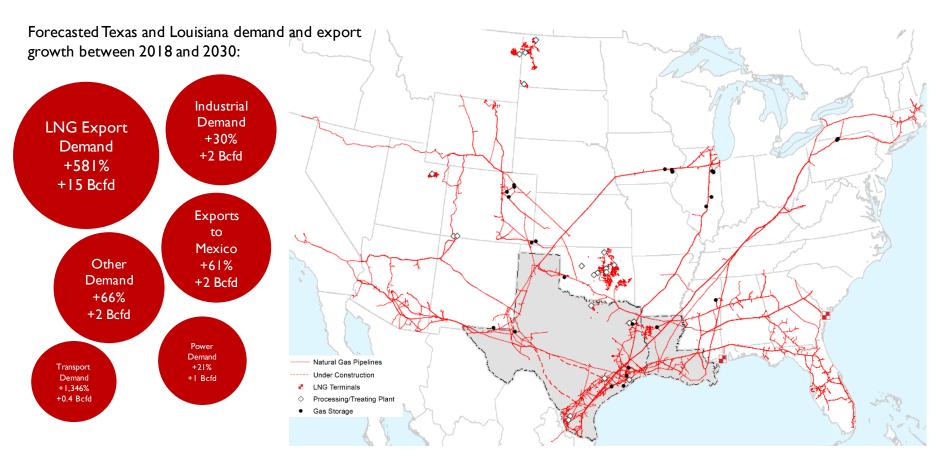
Total U.S. natural gas production to grow by over 30 Bcfd or nearly 40% by 2030

Source: WoodMackenzie, North America Gas Markets Long-Term Outlook, Summer 2019. Growth relative to projected 2018 production at the time of the report. Forecast assumes aggregate of other U.S. basins shrinks by 5 Bdd.

Kinder Morgan network connects key supply basins to multiple demand points along the Gulf Coast



U.S. NATURAL GAS DEMAND IS CONCENTRATED IN GULF COAST



>70% of forecasted 2018-2030 growth is in Texas and Louisiana, where we have significant assets in place



\$5.7BN OF COMMERCIALLY-SECURED CAPITAL PROJECTS UNDERWAY

~\$400 million of new projects added during Q2 2019 & over \$1 billion added year-to-date

(as of 6/30/2019)	Demand Pull / Supply Push	KMI Capital (\$ billion)	Estimated In-Service Date	Capacity
Natural Gas				
Permian takeaway projects (GCX, PHP, TX Intrastates, EPNG, NGPL)		\$ 1.6	Q4 2019 – 2020	7.0 Bcfd
Elba liquefaction and related terminal facilities		1.2	First unit in Q3 2019	0.4 Bcfd
Bakken G&P expansions (Hiland Williston Basin)		0.5	Q3 2019 – 2020	Various
Supply for U.S. power & LDC demand (TGP, FGT, NGPL, CIG, SNG)		0.3	Q3 2019 – 2023	1.0 Bcfd
Supply for LNG export (NGPL, KMLP)		0.3	Q3 2019 – 2022	1.9 Bcfd
Mexico export (EPNG, Sierrita)		0.2	2020	0.6 Bcfd
Other natural gas		0.3	Various	>1.5 Bcfd
Total Natural Gas		\$ 4.4	~77% of total & 5.6x EBITDA multiple	
Additional projects		1.3		
Total Backlog		\$ 5.7		

- Significant investment opportunities resulting from our expansive, strategically-located natural gas pipelines network
- Additional projects are primarily liquids-related (crude oil and refined products)
 - \$0.6 billion for CO₂ EOR oil production, \$0.3 billion for CO₂ & transport, \$0.3 billion for terminals and \$0.1 billion for liquids pipelines
- Beyond the backlog, expect \$2 to \$3 billion per year of ongoing organic investment opportunities



SUPPORTING THE BUILDOUT OF U.S. LNG EXPORTS

Serving significant liquefaction capacity & well-positioned to capture more

Kinder Morgan network advantages:

Natural gas leader

~70,000 miles of natural gas pipelines Move ~40% of U.S. natural gas

Supply diversity

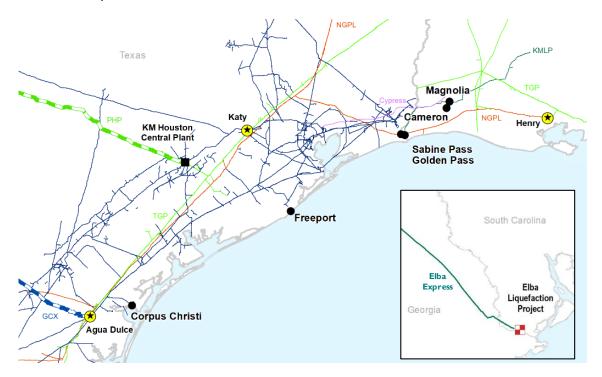
Connected to every important U.S. natural gas resource play

Premier deliverability

657 Bcf of working gas storage in production and market areas

Transporter of choice

Over 5.7 Bcfd of transport capacity contracted for 19-year average term



Connecting diverse supply options to multiple developing LNG demand centers

A CORE ENERGY INFRASTRUCTURE HOLDING

Significant cash flow generation & returning significant value to shareholders

>\$40 billion market capitalization

One of the 10 largest energy companies in the S&P 500; ~15% insider ownership

Investment grade rated debt

Recent upgrades to mid-BBB by S&P, Moody's, and Fitch reflect balance sheet strength

5% current dividend yield

based on \$1.00 in 2019 and \$20 share price

25% dividend growth in 2020

planned increase to \$1.25

\$2 billion share buyback program

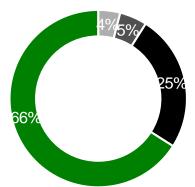
purchased ~\$525 million since December 2017



STABLE, FEE-BASED CASH FLOW FROM HIGH QUALITY CUSTOMERS

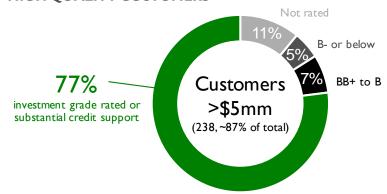
Underpinned by multi-year contracts with diversified customer base

STABLE CASH FLOWS(a)



66% Take-or-pay	Entitled to payment regardless of throughput for periods of up to 20+ years
25% Fee-based	Supported by stable volumes, critical infrastructure between major supply hubs & stable end-user demand
5% Hedged	Disciplined approach to managing price volatility, substantially hedged near-term exposure
4% Other	Commodity-price based, limited to small portions of unhedged oil and gas production and G&P business

HIGH QUALITY CUSTOMERS(b)



plus:

~69% overall from end-users of the products we handle

a) Based on 2019 budgeted Segment EBDA before Certain Items plus JV DD&A. See Non-GAAP Financial Measures and Reconciliations.

b) Based on 2019 budgeted net revenues, which include our share of unconsolidated joint ventures and net margin for our Texas Imastate customers & other midstream businesses. Chart includes customers >\$5mm at their respective company credit ratings as of 1/9/2019 per S&P and Moody's, shown at the S&P equivalent rating & utilizing a blended rate for split-rated companies. End-users includes utilities, LDCs, refineries, chemical companies, large integrateds, etc.



FUNDAMENTAL UPDATE

JASON CONNELLY

DIRECTOR - COMMERCIAL ASSET OPTIMIZATION

NASHVILLE, TENNESSEE AUGUST 22, 2019



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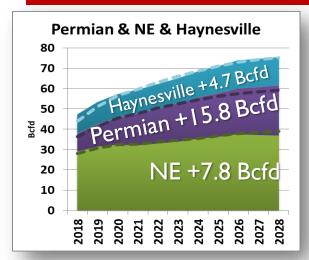
Naga Surapareddy

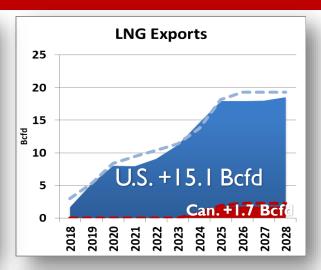
Analyst Tennessee Gas Pipeline

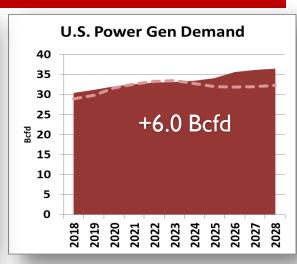
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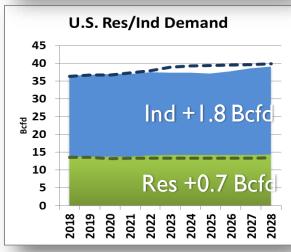


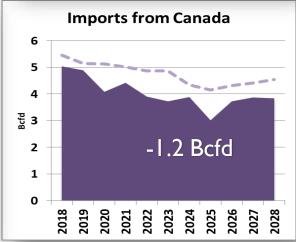
KINDER MORGAN MACRO OUTLOOK KEYTRENDS

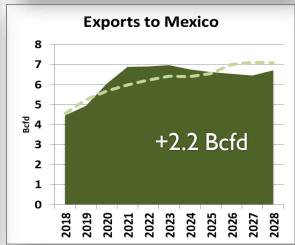








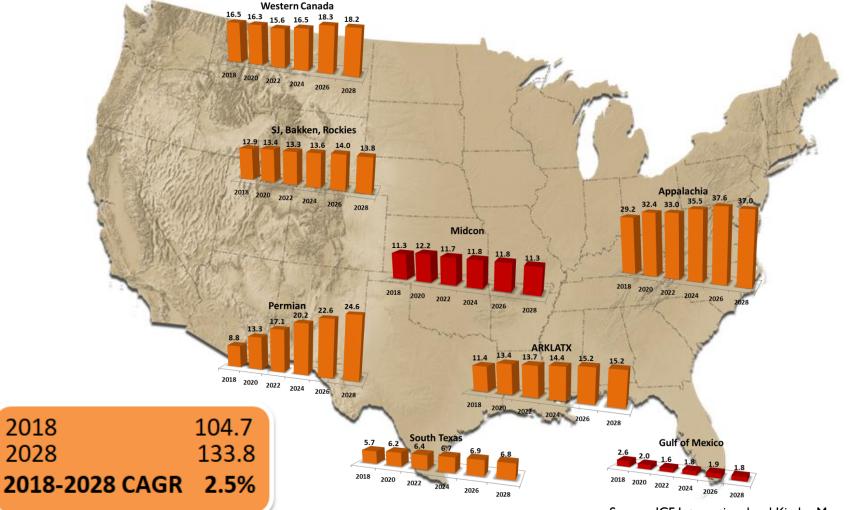




Source: ICF International and Kinder Morgan Analysis

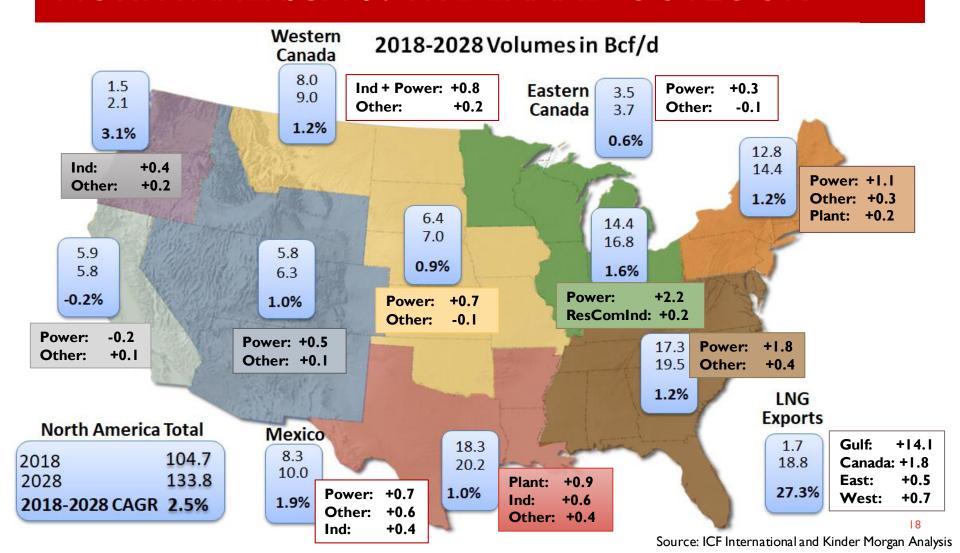


NORTH AMERICA 10 YR PRODUCTION OUTLOOK



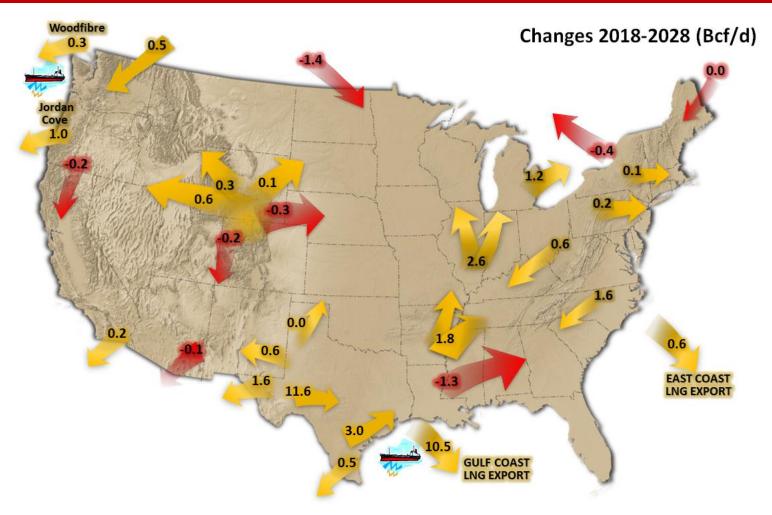


NORTH AMERICA 10 YR DEMAND OUTLOOK





LOWER 48 FLOW CHANGES INCLUDING IMPORT/EXPORT

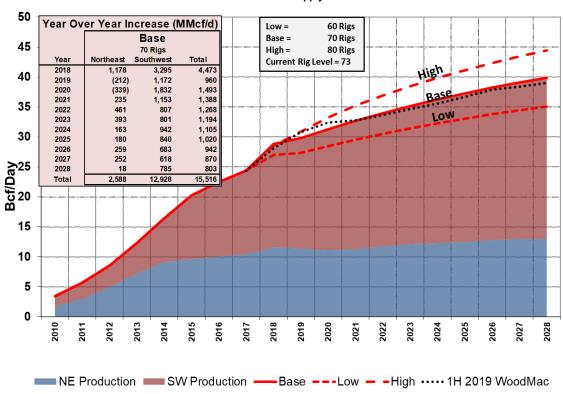




APPALACHIA GROWTH SLOWING

Marcellus/Utica Area

Wellhead Supply



Marcellus/Utica Destination by Volume (Dry Gas) 35.00 30.00 25.00 10.31 10.50 10.27 10.1310.30 20.00 **B**cf/d 9.62 15.00 7.22 7.21 6.25 6.57 5.37 10.00 0.70 3.53 3.00 5.00 5.66 6.23 6.14 2018 2020 2022 2024 2026 2028 Local Demand Midwest ■ Gulf ■ Southeast

■ Northeast/CAN

Other

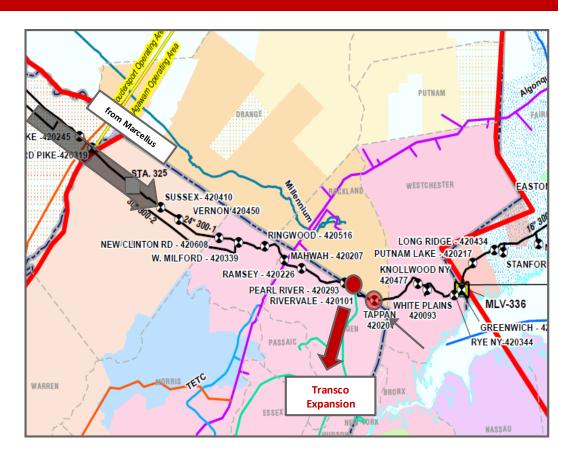


NJ/NY FUNDAMENTAL BALANCE CHANGING

Winter Supply	MDth/d		
Marcellus / Zone 4	1,620		

Winter Demand	MDth/d		
North to Zone 6	153		
Local Demand	343		
To Mahwah	889		
To Rivervale	235		
Total Demand	1,620		

Transco expansion adds 50 – 100 MDth/d of demand in zone 5 without an increase in upstream supply.

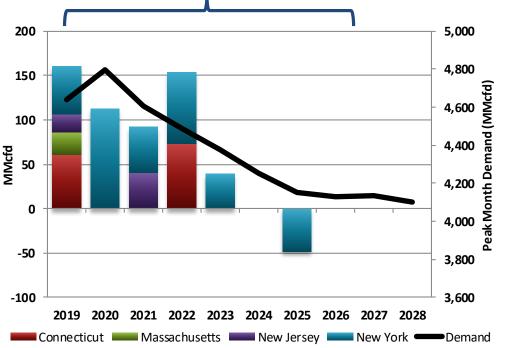




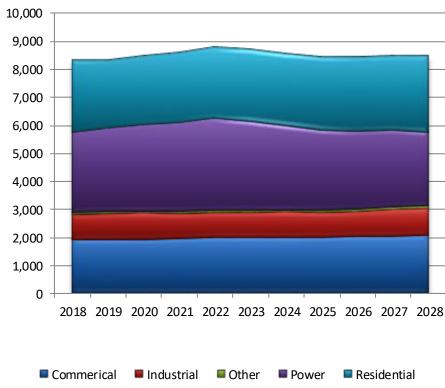
NEW ENGLAND INCREMENTAL WINTER PEAK POWER GENERATION

510 MMcfd - Potential gas-fired generation load

- Result of retirements, fuel conversions, new builds, and expansions
- Primarily winter peak demand
- ~13% of 2018 average daily gas-fired generation

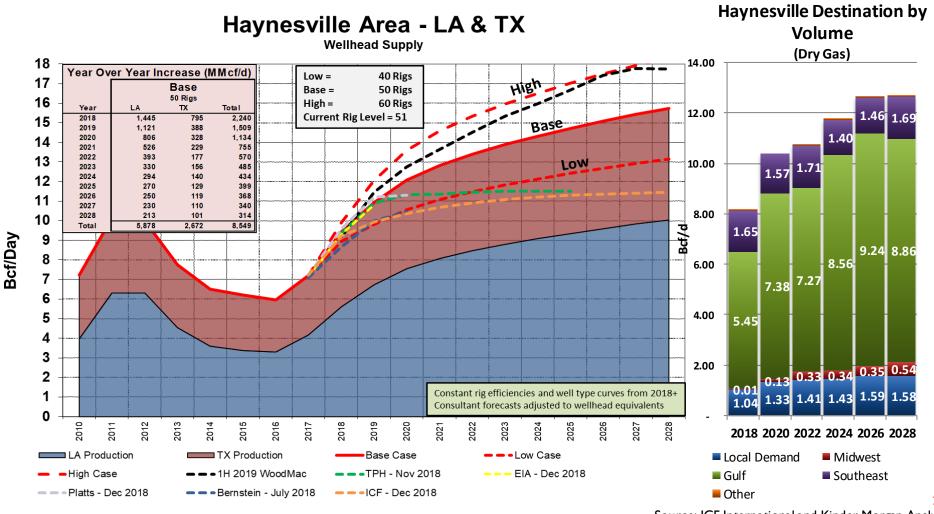


New England Demand by Sector

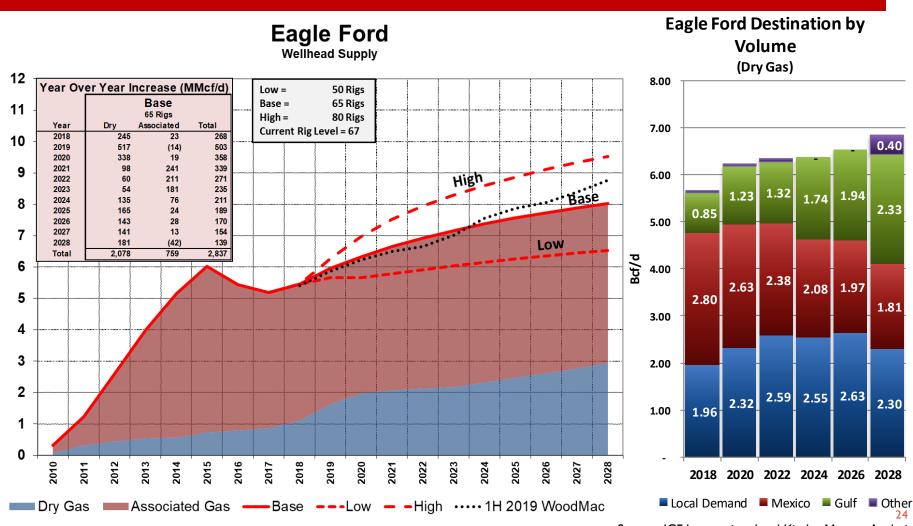




HAYNESVILLE

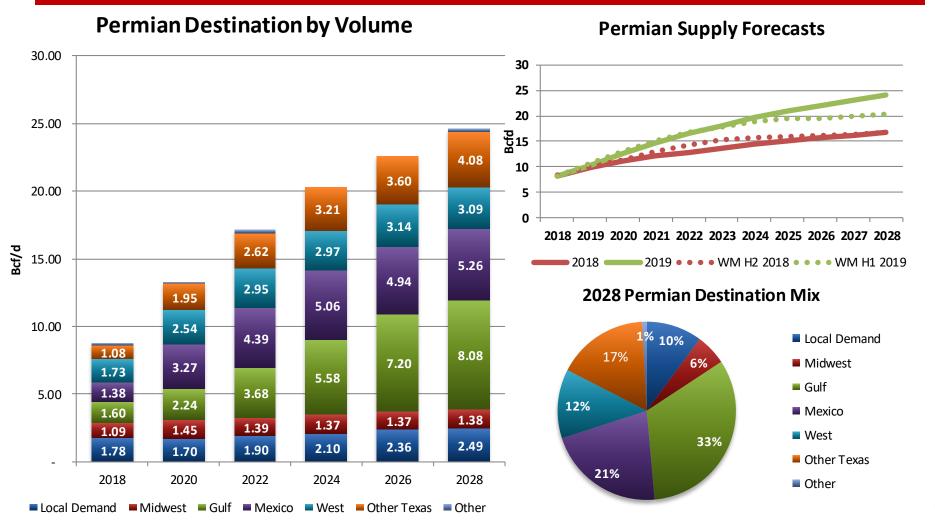


EAGLE FORD





PERMIAN PIPES RELIEVE PRESSURE, FOR A SHORT TIME





MEXICO OUTLOOK





Infrastructure Notes

- CFE has withheld approval of TC Energy's Sur de Texas Tuxpan pipeline, now projected for 2021 start
- Tuxpan-Tula and Tula-Villa de Reyes delayed due to tribal right-of-way disputes
- Mexico has no storage; SENER has tasked CENAGAS with developing 45bcf of storage by 2026 to provide emergency balancing. No progress has been made since September 2018



SUMMARY

- Permian gas coming eastward to Texas, Mexico, and Gulf Coast markets
- Gas may be constrained in South Texas due to lack of takeaway to Mexico
- Appalachia supply still growing, at a slower pace
- Demand driven by LNG exports and power generation
- Despite short term uncertainty in Mexico, demand needs far exceed domestic supply and Mexico will import gas from the US, particularly in South Texas
- New Jersey market will see increased competition for gas



OPERATIONS UPDATE

TOM DENDER VICE PRESIDENT – PIPELINE MANAGEMENT

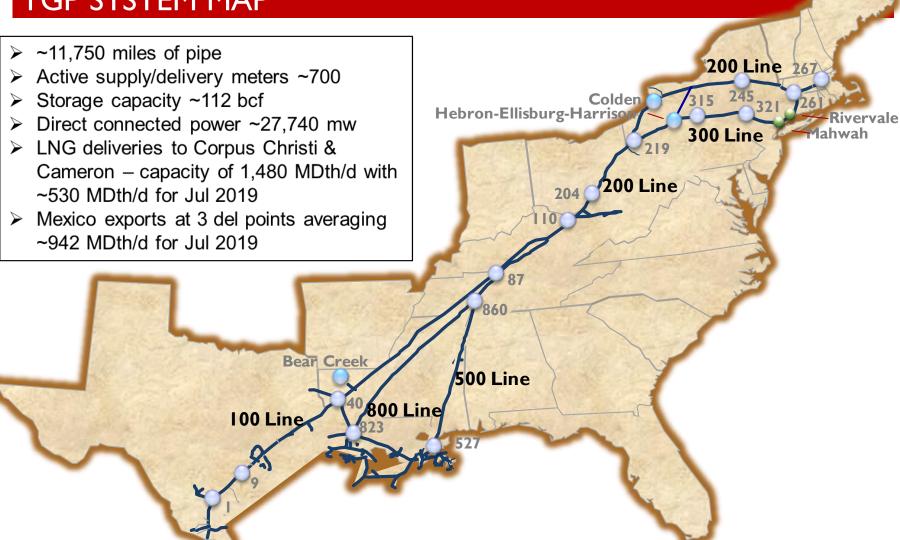
NASHVILLE, TENNESSEE AUGUST 22, 2019

TGP PIPELINE MANAGEMENT

- Major growth drivers
- System wide flows and throughput
- Winter look back
- Summer update
- Operations expectations



TGP SYSTEM MAP



KEY GROWTH DRIVERS

SUPPLY

- Substantial associated gas growth in the Permian, proximity to largest growth markets along Gulf Coast
- Continued Marcellus/Utica production growth

DEMAND

- LNG: Commercial production for Cameron and Cheniere Corpus Christi
- Mexico: Heavy reliance on KM assets for import
- Power: Continued gasification of electric grid realized on TGP



LNG DEMAND

Facility - Train	Status	Capacity (MDth/d)	In Service	Total Current Delivery*	KM Current Delivery*	KM % of Total	TGP Current Delivery*	TGP % of Total
Sabine Pass (1-5)	5 In Service	4,000	4,000	3,683	1,421	39%	0	0%
Cove Point	In Service	815	815	681	0	0%	0	0%
Corpus Christi 1-3	1 In Service**	2,400	800	1,400	984	70%	305	22%
Cameron 1-3	1 In Service	2,040	680	635	406	64%	406	64%
Elba Island 1-10	3Q19-4Q19	350	35	0	0	0%	0	0%
Freeport 1-3	3Q19-2Q20	1,980	0	80	6	8%	0	0%
Total		11,585	6,330	6,479	2,817	43%	711	11%

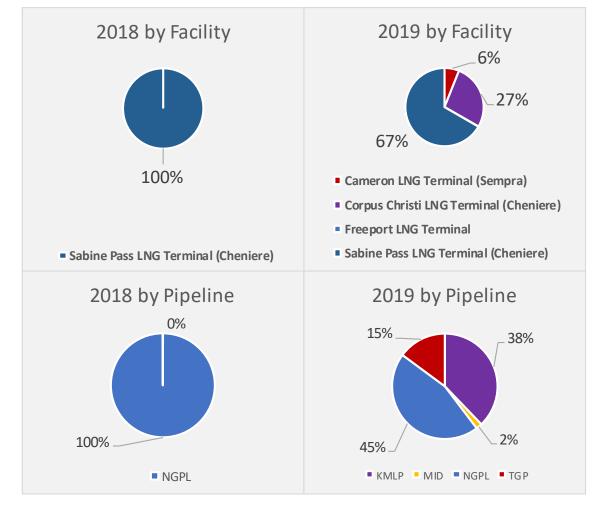
^{*}Current Delivery data is 07/20/19 - KM's peak LNG delivery

^{**}Corpus Christi: commissioning unit 2, which has a capacity of 800



LNG DELIVERY GROWTH

YOY Ave Daily Deliveries (through 7/31/19)



Facility	Current Year	Prior Year	YOY Var	YOY Var %
Sabine Pass	1,229	536	655	129%
Corpus Christi	502	1	501	-
Cameron	111	0	111	-
Freeport	1	0	1	-
LNG TOTAL	1,843	537	1,306	243%

Pipeline	Current Year	Prior Year	YOY Var	YOY Var %
Midstream	71	0	71	-
TGP	310	0	310	-
KMLP	657	0	657	-
NGPL	805	537	268	50%
LNG TOTAL	1,843	537	1,306	243%

- ❖ Currently delivering ~2.1–2.3 Bcfd
- ❖ Peak delivery on 7/20/19 @ 2.82 Bcf
- Recently started delivering small volumes to Freeport from Midstream (Tejas)
- Feb fog and SPLIQ April maintenance impacted deliveries for several days

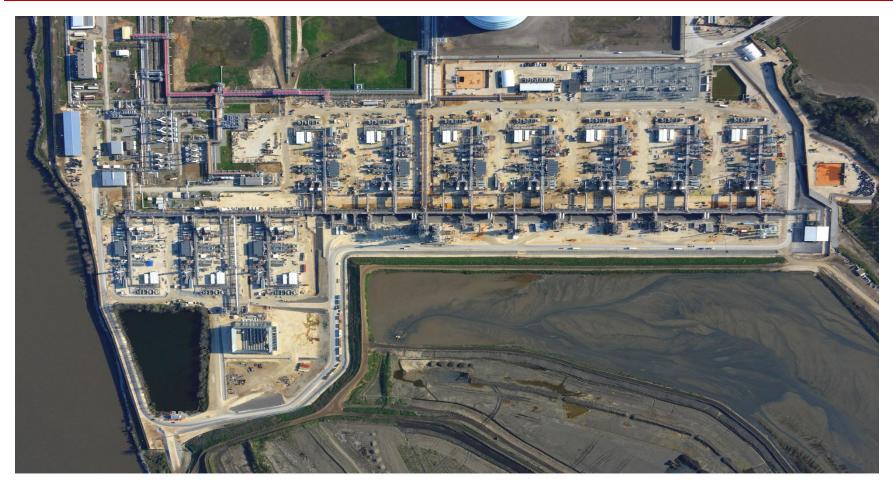


ELBA ISLAND





ELBA ISLAND





H1502610 - Elba Liquefaction Project

Image # 82 Date : 02.21.2019 Photo 888.542.0231



STATION 836A – DELHI, LA

Cameron LNG Project



EXPORTS TO MEXICO

			3rd Party	
	TGP	TOTAL KM	Pipes	Total
YTD '18	872	2,992	1,755	4,747
YTD '19	907	3,042	2,221	5,263
Change	35	50	466	516
% Change	4%	2%	27%	11%
		57.8% KM Market Share		

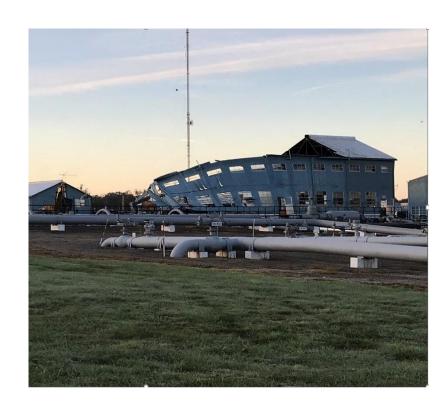
YTD represents data through May

- Total Mexico Exports up 11% YOY
- KM Exports up 2% YOY; represents 58% of total exports to Mexico
- TGP Exports up 4% YOY; represents 17% of total exports to Mexico



STATION 106 – WINCHESTER, KY

Out with the Old.....In with the New







STATION 119A - ROCKY FORK, WV

Broad Run Expansion Project



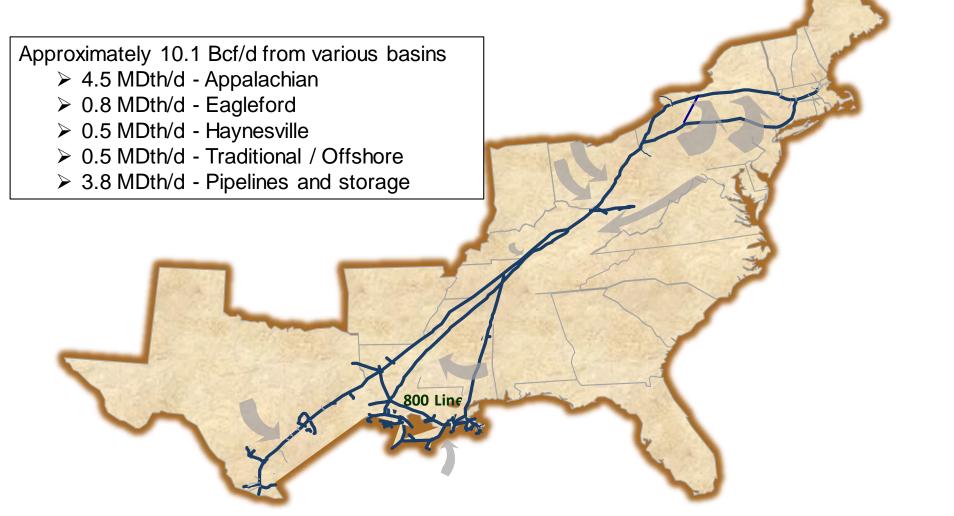
STATION 563- JOELTON, TN

Broad Run Expansion Project





YTD TGP GAS RECEIPTS





SOUTHWEST LOUISIANA EXPANSION

Meter Station Connectivity MEPTGP Meter Station



Gulf Crossing TGP Meter Station

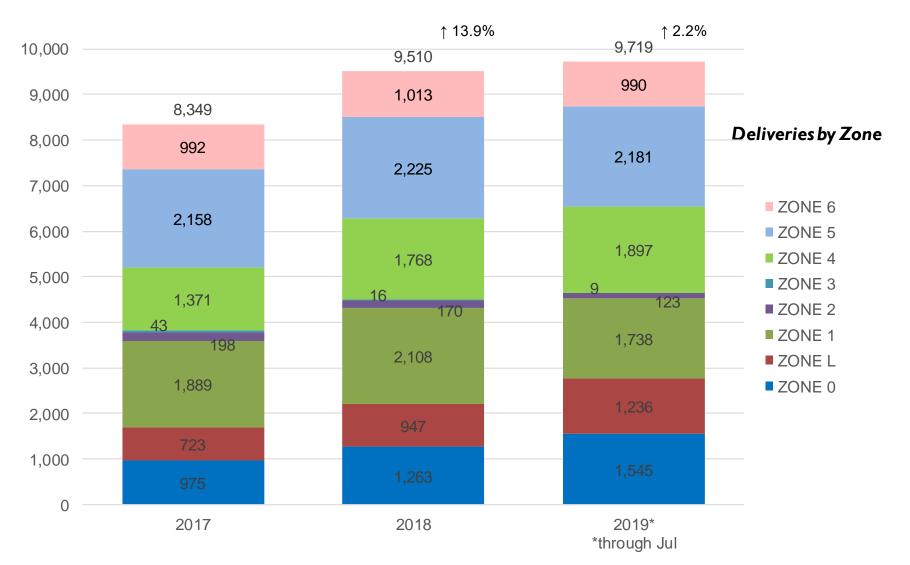


Enable TGP Meter Station





TGP SYSTEM WIDE THROUGHPUT



WINTER 2018 - 2019

Overview

- Strong Winter Demand
 - 8 out of the Top-10 All-time System Peak Delivery Days occurred this past winter
- System-wide throughput increased 6% compared to previous winter
- Storage Inventories were slightly lower than the prior year's levels at the end of winter
- System Wide Peak Day was ~11.72 Bcf/d on January 30, 2019
- Power Plant Peak Day was ~2.16 Bcf/d on January 30, 2019
- Exports to Mexico increased 7% compared to previous winter

Supply

- Supply in Zone 4 down from previous Winters (Other projects in-service; Nexus and Atlantic Sunrise)
- More supply coming from Dracut/Distrigas

Operational Challenges



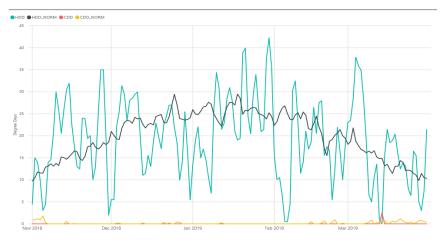
WINTER 2018 - 2019 WEATHER (NORMAL....OR NOT)

TGP S	ystem HDDs vs Norm

PL	HDD	HDD_NORM	HDD_VAR	HDD_Var%
TGP	46,606	46,118	488	1.1%
KBNA - NASHVILLE	2,900	3,040	-140	-4.6%
KBOS - BOSTON	4,259	4,344	-85	-2.0%
KBUF - BUFFALO	5,245	5,023	222	4.4%
KCMH - COLUMBUS	4,402	4,303	99	2.3%
KCON - CONCORD	5,590	5,435	155	2.9%
KCRW - CHARLESTON	3,620	3,667	-47	-1.3%
KELM - CORNING	5,088	5,166	-77	-1.5%
KHPN - WHITE PLAINS	4,471	4,372	99	2.3%
KIAH - HOUSTON	1,257	1,274	-16	-1.3%
KJFK - NEW YORK	4,007	3,901	106	2.7%
KMFE - MC ALLEN	500	527	-28	-5.3%
KORH - WORCESTER	5,267	5,067	201	4.0%
Total	46,606	46,118	488	1.1%

Nashville vs Norm

Boston vs Norm





WINTER 2018 - 2019 SYSTEM WIDE FLOWS

	<u>2016-2017</u>	2017-2018	2018-2019	<u>Change</u>
LDC	1,724	1,880	2,120	+13%
Power	1,095	1,324	1,105	-17%
Interconnects	5,263	5,471	5,840	+7%
Mexico	844	857	918	+7%
LNG	-	-	108	-
Industrial	59	63	56	-7%
TOTAL	8,985	9,595	10,147	+6%

All volumes are MDth/d

SUMMER SYSTEM WIDE 2019

Overview

- System-wide throughput flat compared to previous summer
- Challenging Maintenance Season

Demand

- Strong demand across system
- Decreases in Power (-15.5%) and Interconnect (-6.4%) demand
- Increases in Mexico (4.9%) and LDC (14.6%) demand
- New LNG demand ~430 MDth/d

SUMMER WEATHER

- April Jul has been 2.3% warmer than normal system wide although the Northeast has been much warmer
- June was 9.7% cooler than normal
- July was 13.3% warmer than normal

PL	CDD	CDD_NORM	CDD_VAR	CDD_Var%
TGP	9,968	9,746	221	2.3%
KBNA - NASHVILLE	1,189	1,134	55	4.9%
KBOS - BOSTON	569	494	75	15.2%
KBUF - BUFFALO	355	388	-33	-8.5%
KCMH - COLUMBUS	723	721	2	0.3%
KCON - CONCORD	395	317	78	24.8%
KCRW - CHARLESTON	789	745	44	6.0%
KELM - CORNING	315	325	-10	-3.1%
KHPN - WHITE PLAINS	522	503	19	3.8%
KIAH - HOUSTON	1,745	1,761	-15	-0.9%
KJFK - NEW YORK	638	639	-1	-0.2%
KMFE - MC ALLEN	2,385	2,379	6	0.2%
KORH - WORCESTER	341	341	1	0.2%
Total	9,968	9,746	221	2.3%



SUMMER SYSTEM WIDE FLOWS

	<u>2017</u>	<u>2018</u>	<u>2019*</u>	<u>Change</u>
LDC	872	1,036	1,187	+15%
Power	1,337	1,547	1,308	-15%
Pipeline Interconnects	4,672	5,704	5,337	-6%
Mexico	789	880	923	+5%
LNG	-	-	426	-
Industrial	58	54	45	-17%
TOTAL	7,728	9,221	9,226	0%

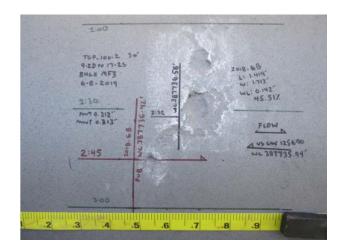
Volumes are MDth/d



OPERATIONAL EXPECTATIONS

- Continued high utilization system wide
 - Scheduling maintenance and outages is becoming increasingly challenging
 - Significant coordination effort to minimize customer impact
 - Multi-year analysis when scheduling known major outages
- Continued maintenance and integrity efforts ensureReliability
 - Significant integrity management emphasis
 - 2019:68 pig runs 3,561 miles
 - Reliability Programs supported by internal MPS teams
 - Routine PHMSA required inspections and maintenance





Kinder Morgan provides energy transportation and storage services in a safe, efficient and environmentally responsible manner for the benefit of people, communities and businesses.



TENNESSEE GAS PIPELINE OPERATIONS CONTACT LIST

Gas Control	Transportation and Storage	Commercial/Marketing	Field Operations
24 hour and emergency 800-231-2800	24 hour Scheduling Hotline 713-420-4999	Jason Connelly - Director 713-420-2446	Tom Burgett- Director (Northeast) 860-763-6027
333 231 2333		Cell – 713-444-3940	Cell – 713-829-2919
Ganesh Venkateshan – Mgr	Cathy Soape – Manager		
713-420-2099	713-420-3814	Ernesto Ochoa – VP	John Pannel – Director (Central)
Cell –832-980-8296	Cell – 713-922-5083	713-420-1734	615-221-1511
		Cell – 281-414-3823	Cell – 615-714-1930
Layne Sanders – Dir	Adam Harris – Manager		
713-420-5024	713-420-2672	Kimberly Watson – President	Chris Bradberry – Director (Southeast)
Cell – 832-563-5024	Cell – 281-389-0024	713-369-9233	205-325-7277
		Cell – 713-204-5423	Cell – 205-567 - 0777
Danny Ivy - VP	Katie Cornutt – Manager		
713-369-9311	713-420-5648		Cy Harper – Director (South)
Cell – 713-829-2761	407-902-8027		281-689-4534
			Cell – 205-613-6701
Tom Dender – VP	Gina Mabry – Director		
713-420-3833	713-420-3685		Ron Bessette- VP
Cell – 205-572-1549	Cell – 281-744-8666		713-420-6012
			Cell – 413-313-4380
	Gene Nowak – VP		
	713-369-9329		Ken Grubb –COO GAS Pipelines
	Cell – 713-252-9759		713-369-8763
			Cell – 713-702-1210



COMMERCIAL UPDATE

ALISON STRINGER DIRECTOR - BUSINESS DEVELOPMENT

NASHVILLE, TENNESSEE AUGUST 22, 2019

BUSINESS DEVELOPMENT MACRO DRIVERS

- Appalachia growth slowing, competition from Permian and Haynesville
 - TGP supply connectivity remains strong and attracts power gen
- Local supply will serve local demand in pipe constrained areas like New England
 - > TGP meeting LDC customer growth needs with discrete, executable projects
- LNG exports represent largest share of demand growth
 - > TGP supply connectivity key to recent success and development opportunities
- Despite short-term uncertainty in Mexico, demand needs far exceed domestic supply
 - Mexico will continue to import gas from US, particularly in South Texas
- Permian supply growth will drive next wave of development opportunities

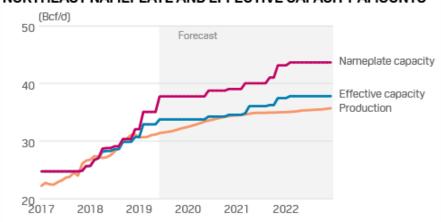


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APPALACHIA – INFRASTRUCTURE UNCERTAIN

- Slowdown in new project applications
- Uncertainty around remaining projects in queue
- Greenfield pipeline additions unlikely
 - Narrow basis
 - Attractive in-basin pricing
- 2023-24 production approaching "Effective Capacity" out of basin

NORTHEAST NAMEPLATE AND EFFECTIVE CAPACITY AMOUNTS



Project Name	Capacity (MMcf/d)	In- Service
Constitution *	650	??
Northern Access *	500	??
PennEast *	1,000	??
Atlantic Bridge	133	Mid 2020
Transco NE Supply	400	Late 2020
Mountain Valley	2,000	Early 2021
Atlantic Coast Pipeline	1,500	Mid 2022

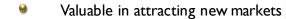
Source: S&P Global Platts Analytics

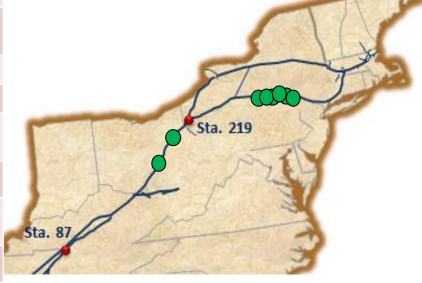


APPALACHIA GROWINGTGP CONNECTIVITY

Meter Name	Location	Capacity (MMcf/d)	In- Service
TOTAL 2017		600	
Williams – MacNew	Susquehanna, PA	600	QI 2018
ETC – Dunkleburger	Tioga, PA	275	QI 2018
PVR- Regency- Bradford*	Bradford, PA	50	Q2 2018
Rattlesnake Hill	Susquehanna, PA	290	Q4 2018
TOTAL 2018		1,215	
Williams Stagecoach	Bradford, PA	550	QI 2019
DTI -Sweden Valley	Tuscarawas, OH	150	TBD
Hilcorp – Martin	Lawrence, PA	180	QI 2019
NFG Wellsboro Inter #2*	Tioga, PA	205	Q2 2019
TOTAL 2019		1,085	

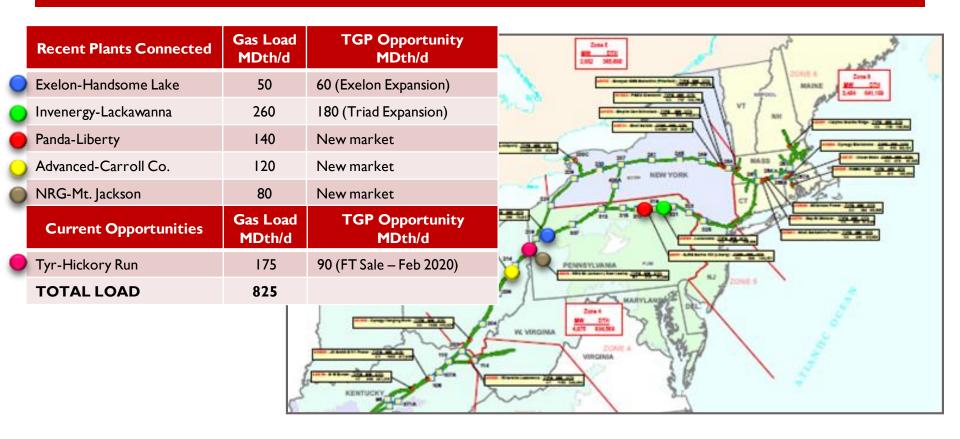
- Inflection point with Appalachia Projects
 - Development environment challenging
 - Slow down in new projects and uncertainty related to existing projects
- Continue to see growing supply connectivity







APPALACHIA IN-BASIN ACTIVITY ATTRACTS POWER MARKETS





NEW ENGLAND AND NEW YORK / NEW JERSEY HOW ARE WE RESPONDING?

Project Planning

- Extended timelines from filing to inservice
- Thorough risk identification & planning
- Stakeholder engagement and outreach
- Safety and security

Relationship with Customers

- Stronger partnerships
- Earlier engagement
- Setting expectations
- Combined outreach and communication

Contracting

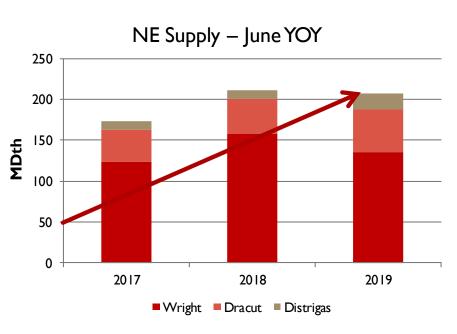
- Recognition of risks
- Risk allocation
- Account for potential schedule impacts

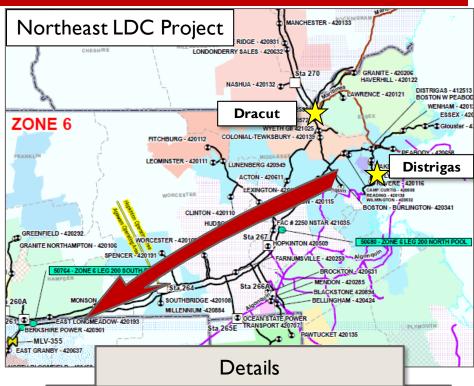






NEW ENGLAND LOCAL SUPPLY MEETS LOCAL DEMAND





Commercial Driver: LDC gas demand growth

Capacity: ~160,00 Dth/d

Customer(s): New England LDCs

In-service: November 1,2018

Term: 20 years



LINE 261 UPGRADE — REGULATORY / PERMITTING PHASE

Details

Commercial Driver:

Residential/commercial gas demand growth

Capacity: 101,400 Dth/d

Customer:

- Columbia Gas of Mass (96,400 Dth/d)
- Holyoke (5,000 Dth/d)

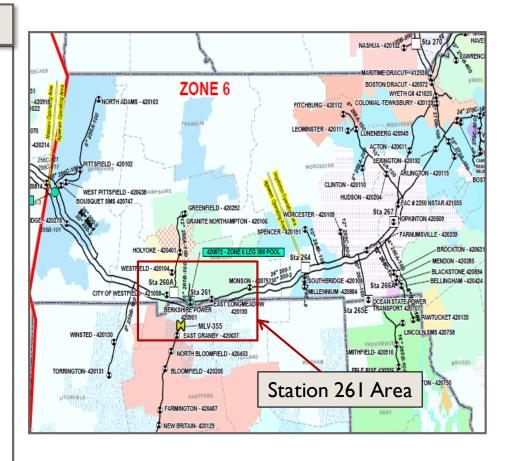
Phased In-service: 2019-2020 timeframe

Project Scope:

- HP Replacement at Station 261
- 2 miles of looping Springfield Lateral

Project Status:

- FERC 7C Application filed October 2018
- Federal Permit applications filed October 2018





EAST 300 UPGRADE — DEVELOPMENT

Details

Commercial Driver:

Residential/commercial gas demand growth

Capacity: 110,000 Dth/d

Customer:

 Consolidated Edison Company of New York

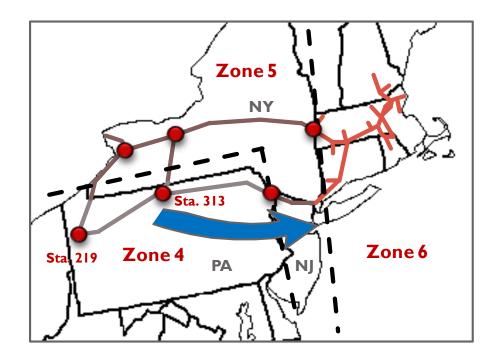
In-service: November 1,2023

Project Scope:

Compression only in NJ and PA

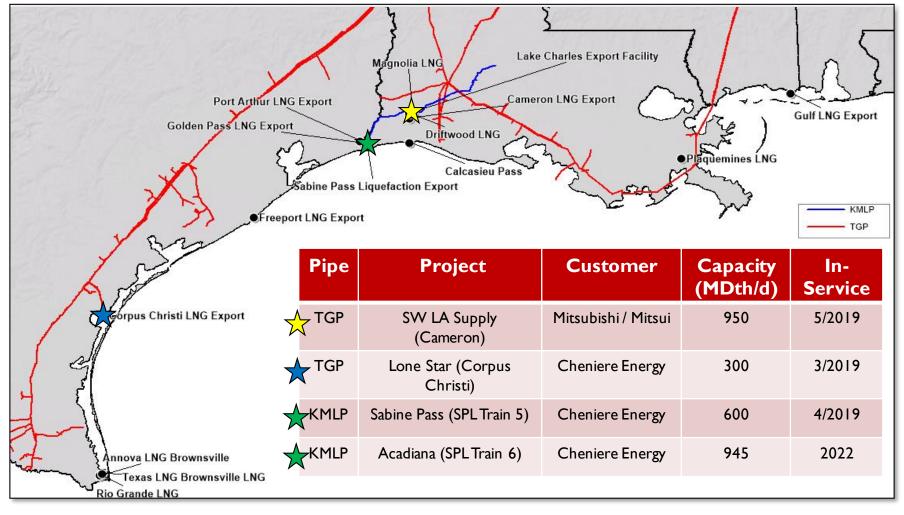
Project Status:

- BOD approvals April 2019
- Binding Open Season May 2019





LNG EXPORT MARKET TGP / KMLP SUCCESS STORY / OPPORTUNITIES



ASAP - SOUTH OF STATION 87 - DEVELOPMENT

Details

Capacity: 228,000 Dth/d

Term: 10 Years

In-Service: November 1,2020

Open Season: July 12 – August 23, 2019

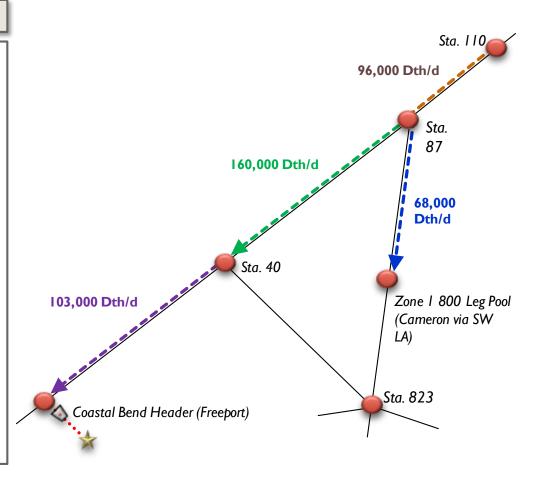
(Binding SRF)

Receipt Points

- 228,000 Dth/d from Zone I Sta. 87 Pool
- Up to 96,000 Dth/d from Sta. I 10

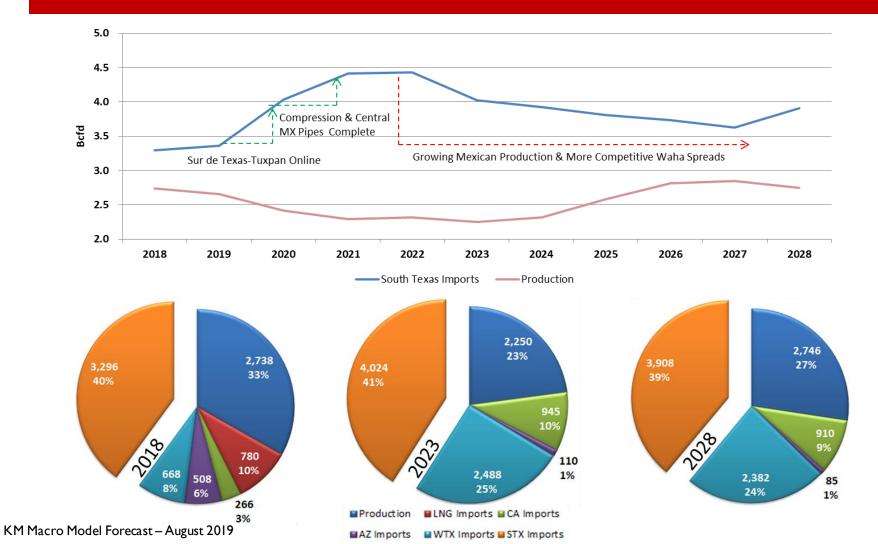
Delivery Points

- 103,000 Dth/d to Coastal Bend Header
- 57,000 Dth/d to Zone 0 100 Leg North Pool
- 68,000 Dth/d to Zone I 800 Leg North Pool





MEXICO SOUTH TEXAS IMPORTS





MEXICO / SOUTH TEXAS — DEVELOPMENT

Details

Commercial Driver:

Growing Mexico demand

Volume: up to 115,000 Dth/d

Capacity path:

Receipts from Agua Dulce/GCX

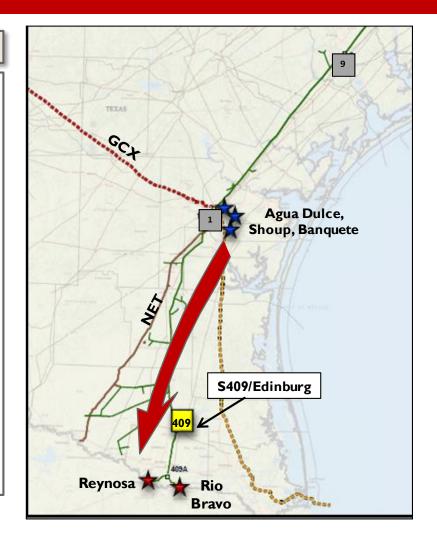
In-service: 4Q 2021

Project Scope:

Compression only, no looping

Status:

- Binding open season posted May 2 thru June 21
- On-going negotiations with bidders



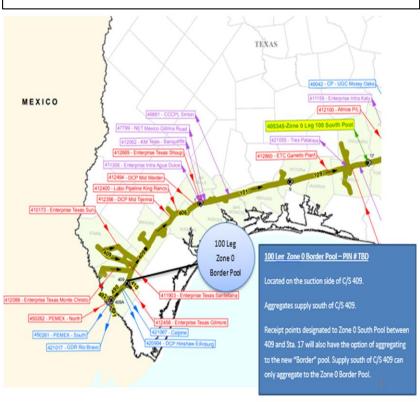


POOLING CHANGES — BORDER AND MARCELLUS

New Pool: TGP 300L - Marcellus - Zone 4

Sta 224 Sta 230B 420730 - National Fuel Cranberry _Sta 307 412065 - Dominion Morrisville Sta 313 Sta 241 420449 - Col Gas Highland 421068 - Kaiser Wyckoff Storage Sta 245 Columbia Gas Trans 420062 - Col Gas Newcastle Sta 317 Sta 249 420868-Zone 5 Leg 200 Poo 420063 - Col Gas Unionville 421046 - Stagecoach 120306 - Col Gas Pitt Term 420872-Zone 6 Leg 300 Pool 20527 - National Fuel Rose Lake 412538 - Maritimes Dra Sta 264 Gas Traps Zone 4 Leg 300 Sta 267 O Marcellus Pool 420871-Zone 6 Leg 200 Pool 420285 - Algonquin Mendon 300 Leg Marcellus Zone 4 Pool - PIN # TBD 420869-Zone 5 Leg 300 Pool Located on the West side of C/S 319. 412180 - Iroquois Sheltor Aggregates all points of receipt on TGP's 300 line between C/S 315 and Pa./NJ state line at C/S 325. 300L supply aggregators with receipt points previously aggregating to the Zone 4 Leg 300 Pool (Sta. 313) pooling pt. will retain those rights and may also aggregate to new Marcellus Pool.

New Pool:TGP 100L - Zone 0 - Border



NEW COMMERCIAL SERVICES

AUTO-PAL

- Utilizes existing PAL Services (APAL)
- Aimed to enhance imbalance management across system
- Reduce timing issues between real-time gas needs and gas nom cycles
- Available at the meter level (i.e. LMS)

800L Storage

- FS-FLEX
- Early stage development
- Enhanced flexibility for LNG Market participants

MX Border Storage

- Considering storage service at newly created "Border" pool (CS 409)
- Enhance liquidity and flexibility for Mexico/ TX LNG markets
- High flexibility in valuable market area, downstream of prevailing restrictions
- Potential for new commercial product offerings

SUMMARY

- Successful track record of developing and executing on projects
 - 2.5 Bcf/d and \$1.4B since 2017
- Inflection point with Appalachia Projects
 - Supply connectivity and in-basin activity still attracting markets
- Flat demand growth but constrained pipe capacity in NE and NY/NJ leads to opportunities
 - Smaller volume, discrete projects executable
- Success attracting/executing projects to serve Texas /Gulf Coast LNG
- Strong demand from Mexico and Permian supply provide next wave of development opportunities



BUSINESS DEVELOPMENT TEAM

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Preston Troutman

Vice President Business Development Tennessee Gas Pipeline

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TENNESSEE GAS PIPELINE ANNUAL CUSTOMER MEETING

CLOSING REMARKS

ERNESTO OCHOA

VICE PRESIDENT – COMMERCIAL

AUGUST 22, 2019



TODAY'S SCHEDULE

Casual Attire - Day Activities

- Thursday, August 22, 2019
- 10:45 AM Load Buses Lobby Lunch/Activities Groups A & B (Badge Designation)
- 11:15 AM Lunch George Jones Museum
- 12:45 PM Load Buses Depart George Jones for Activities
- 1:00 PM Activities Sound Stage Studios Recording Experience
 - OR Nelson's Green Brier & Corsair Distillery Tour (Badge Designation)
- 3:00 PM Groups Rotate
- 4:55 PM Load Buses Return to THOMPSON
- 6:15 PM Load Buses Lobby Drinks & Dinner on Broadway
- 6:30 PM Drinks and Dinner Nashville Underground Rooftop
- 9:30 11:15 PM Bus will run between the flags at Riverfront Park and Hotel



THANK YOU!

WE APPRECIATE YOU AND OUR BUSINESS PARTNERSHIPS

SINCERELY,

THE TENNESSEE GAS PIPELINE TEAM