

KINDER  MORGAN

Investor Update

July 2020



Disclosure

Forward looking statements / non-GAAP financial measures

General – The information contained in this presentation does not purport to be all-inclusive or to contain all information that prospective investors may require. Prospective investors are encouraged to conduct their own analysis and review of information contained in this presentation as well as important additional information through the Securities and Exchange Commission’s (“SEC”) EDGAR system at www.sec.gov and on our website at www.kindermorgan.com.

Forward-Looking Statements – This presentation includes forward-looking statements within the meaning of the U.S. Private Securities Litigation Reform Act of 1995 and Section 21E of the Securities Exchange Act of 1934 (“Exchange Act”). Forward-looking statements include any statement that does not relate strictly to historical or current facts and include statements accompanied by or using words such as “anticipate,” “believe,” “intend,” “plan,” “projection,” “forecast,” “strategy,” “outlook,” “continue,” “estimate,” “expect,” “may,” “to,” “will,” “shall,” and “long-term”. In particular, statements, express or implied, concerning future actions, conditions or events, including long term demand for our assets and services, 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. 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. We disclaim any obligation, other than as required by applicable law, to publicly update or revise any of our forward-looking statements to reflect future events or developments.

Future actions, conditions or events and future results of operations may differ materially from those expressed in these forward-looking statements. Many of the factors that will determine these results are beyond our ability to control or predict. These statements are necessarily based upon various assumptions involving judgments with respect to the future, including, among others, the impacts of the COVID-19 pandemic; commodity prices; the timing and extent of changes in the supply of and demand for the products we transport and handle; national, international, regional and local economic, competitive, political and regulatory conditions and developments; the timing and success of business development efforts; the timing, cost, and success of expansion projects; technological developments; condition of capital and credit markets; inflation rates; interest rates; the political and economic stability of oil-producing nations; energy markets; federal, state or local income tax legislation; weather conditions; environmental conditions; business, regulatory and legal decisions; terrorism; cyber-attacks; and other uncertainties. Important factors that could cause actual results to differ materially from those expressed in or implied by forward-looking statements. These factors include risks and uncertainties described in this presentation and in our Annual Report on Form 10-K for the year ended December 31, 2019, our Quarterly Report on Form 10-Q for the quarter ended March 31, 2020 (under the headings “Risk Factors,” “Information Regarding Forward-Looking Statements” and elsewhere), and our subsequent reports filed with the SEC. These reports are available through the SEC’s EDGAR system at www.sec.gov and on our website at www.kindermorgan.com.

GAAP – Unless otherwise stated, all historical and estimated future financial and other information and the financial statements included in this presentation have been prepared in accordance with generally accepted accounting principles in the United States (“GAAP”).

Non-GAAP – In addition to using financial measures prescribed by GAAP, we use non-generally accepted accounting principles (“non-GAAP”) financial measures in this presentation. Descriptions of our non-GAAP financial measures, as well as reconciliations of historical non-GAAP financial measures to their most directly comparable GAAP measures, can be found in this presentation under “Non-GAAP Financial Measures and Reconciliations”. These non-GAAP financial measures do not have any standardized meaning under GAAP and may not be comparable to similarly titled measures presented by other issuers. As such, they should not be considered as alternatives to GAAP financial measures.

Kinder Morgan: Leader in North American Energy Infrastructure



Unparalleled & irreplaceable asset footprint built over decades

Largest natural gas transmission network

- ~70,000 miles of natural gas pipelines
- 659 bcf of working storage capacity
- Connecting major U.S. natural gas resource plays to key demand centers
- Move ~40% of U.S. natural gas consumption & exports
- ~1,200 miles of natural gas liquids pipelines

Largest independent transporter of refined products

- Transport ~1.7 mmbbl/d of refined products
- ~6,800 miles of refined products pipelines
- ~3,100 miles of crude pipelines

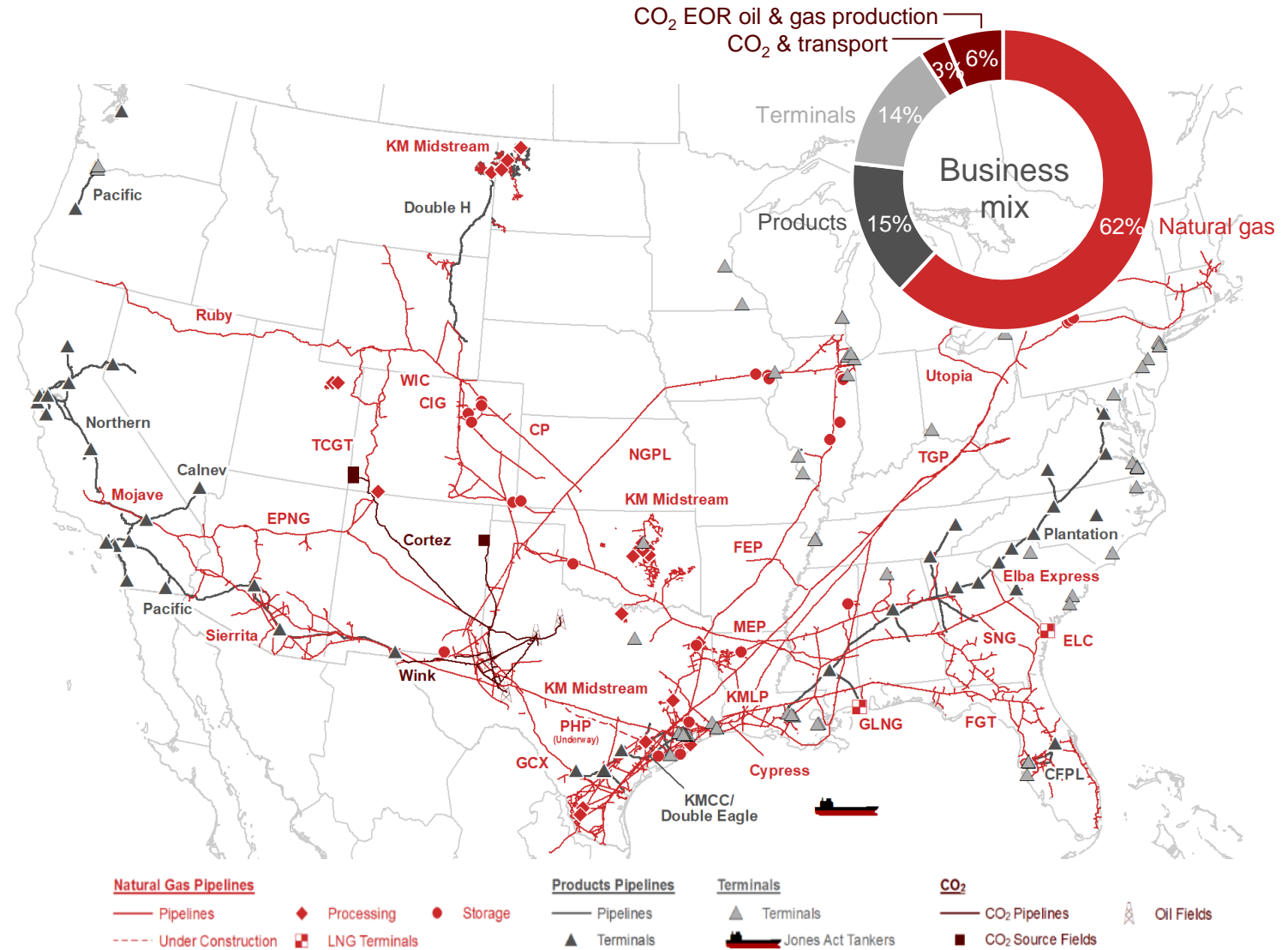
Largest independent terminal operator

- 147 terminals
- 16 Jones Act vessels

Largest transporter of CO₂

- Transport ~1.2 bcf/d of CO₂

Leading infrastructure provider across multiple critical energy products



Note: Mileage & volumes are company-wide per 2020 budget. Business mix based on Adjusted Segment EBDAs per the 2020 forecast as of 7/20/2020. See Non-GAAP Financial Measures & Reconciliations.

2020 Updated Guidance

Revised to incorporate estimated impact of pandemic & commodity price declines

Key metrics	2020 Budget	2020 Forecast
Adjusted EBITDA	\$7.6 billion	down slightly more than 8%
Distributable Cash Flow (DCF)	\$5.1 billion	down slightly more than 10%
Discretionary capital ^(a)	\$2.4 billion	reduced by ~\$660 million
Year-end Net Debt / Adj. EBITDA	4.3x	4.7x
Declared dividend / share (Q2 2020, annualized)	\$1.25	\$1.05

Expected reduction in DCF to be more than offset with reduced discretionary capital spending

Net result increases cash position in 2020

Board remains committed to the previously planned \$1.25 dividend (annualized) & will consider economic conditions, as well as our principles of returning value to shareholders while maintaining a healthy balance sheet

Note: 2020 forecast as of 7/20/2020 & includes actual results for the 6 months ended 6/30/2020. See Non-GAAP Financial Measures & Reconciliations.

a) Includes growth capital & JV contributions for expansion capital, debt repayments & net of partner contributions for our consolidated JVs.

2020 Updated Guidance Sensitivities

Commodity exposure for remaining 6 months

Assumptions (last 6 mos)	Change	Potential Impact to Adjusted EBITDA & DCF (balance of year)				
		Natural Gas	Products	Terminals	CO ₂	Total
Natural gas G&P volumes 3.030 bcf/d	+/- 5%	\$14 million				~\$14 million
Refined products volumes (gasoline, diesel & jet fuel) 1,619 mbbld for Products Pipelines	+/- 5%		\$17 million	\$5 million		~\$22 million
Crude oil & condensate pipeline volumes 597 mbbld	+/- 5%		\$7 million			~\$7 million
Crude oil production volumes 44 mbbld gross (31 mbbld net)	+/- 5% in gross volumes				\$11 million	~\$11 million
\$35/bbl WTI crude oil price	+/- \$1/bbl WTI	\$0.1 million	\$0.6 million		\$0.2 million	~\$0.9 million
NGL / crude oil price ratio 50% in Natural Gas segment 35% in CO ₂ segment	+/- 1% NGL / crude oil price ratio				\$0.2 million	~\$0.2 million
Potential Impact to DCF (balance of year)						
LIBOR interest rates 0.24% 1-month / 0.35% 3-month	+/-10-bp change in LIBOR					~\$1.9 million ^(a)

Note: The above table provides key assumptions used in our revised 2020 forecast (as of 7/20/2020) for the remaining 6 months of 2020 to incorporate the estimated impacts of the pandemic & commodity price declines. It also provides estimated financial impacts to 2020 Adjusted EBITDA & DCF for potential changes in those assumptions. These sensitivities are general estimates of anticipated impacts on our business segments & overall business of changes relative to our assumptions; the impact of actual changes may vary significantly depending on the affected asset, product & contract. Balance of year refers to the remaining 6 months. See Non-GAAP Financial Measures & Reconciliations at the end of this presentation & the earnings release for the period ended 6/30/2020 for additional information.

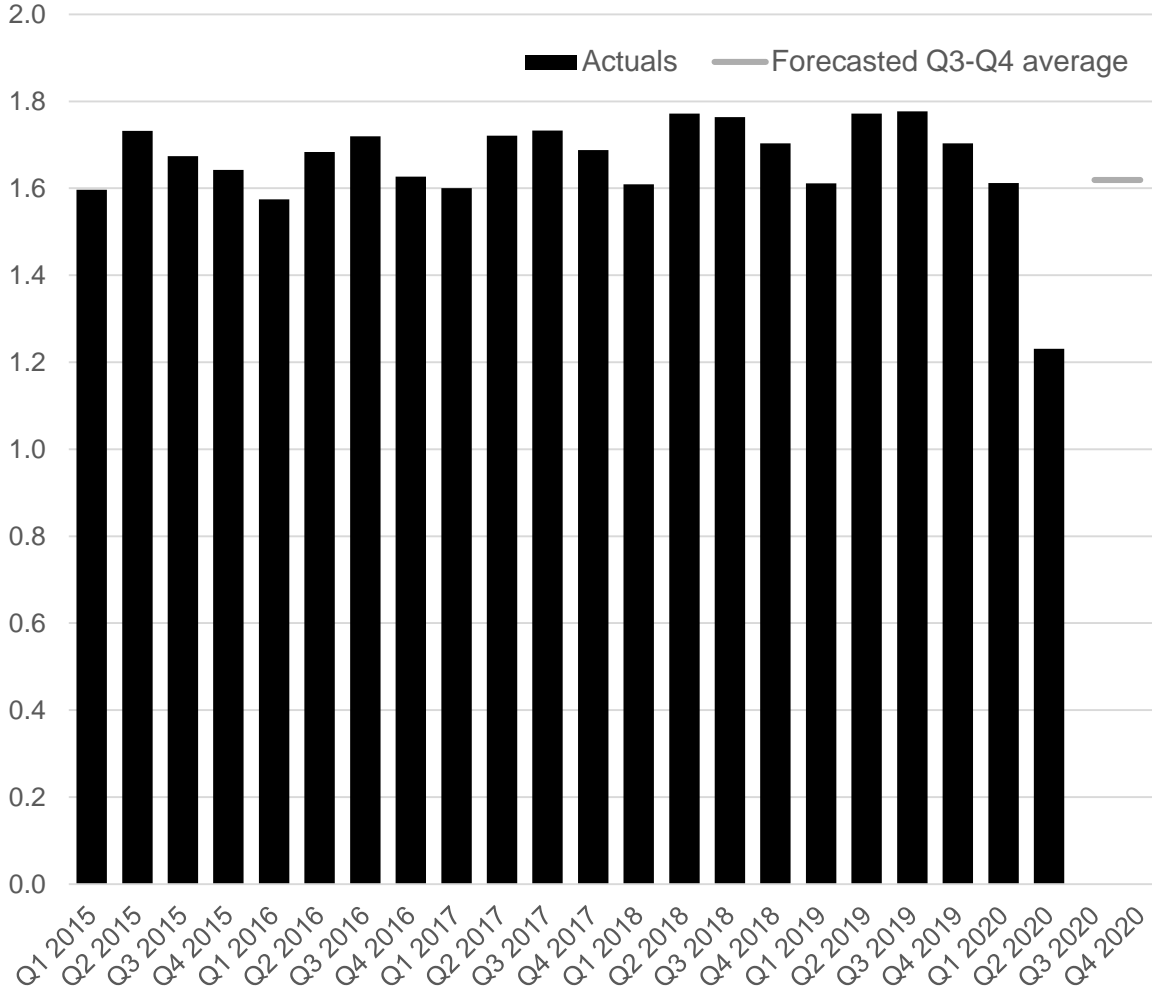
a) As of 6/30/2020, ~17% of the principal amount of our debt balance was subject to variable interest rates – either as short- or long-term variable rate debt obligations or as fixed-rate debt converted to variable rates through the use of interest rate swaps. As of 6/30/2020, we had ~\$8.0 billion of fixed-to-floating interest rate swaps on our long-term debt. In March 2020, we fixed the LIBOR component on \$2.5 billion of our floating rate swaps through the end of 2020.

Key Volumetric Assumptions

Historical volumes & forecast for remaining 6 months of 2020

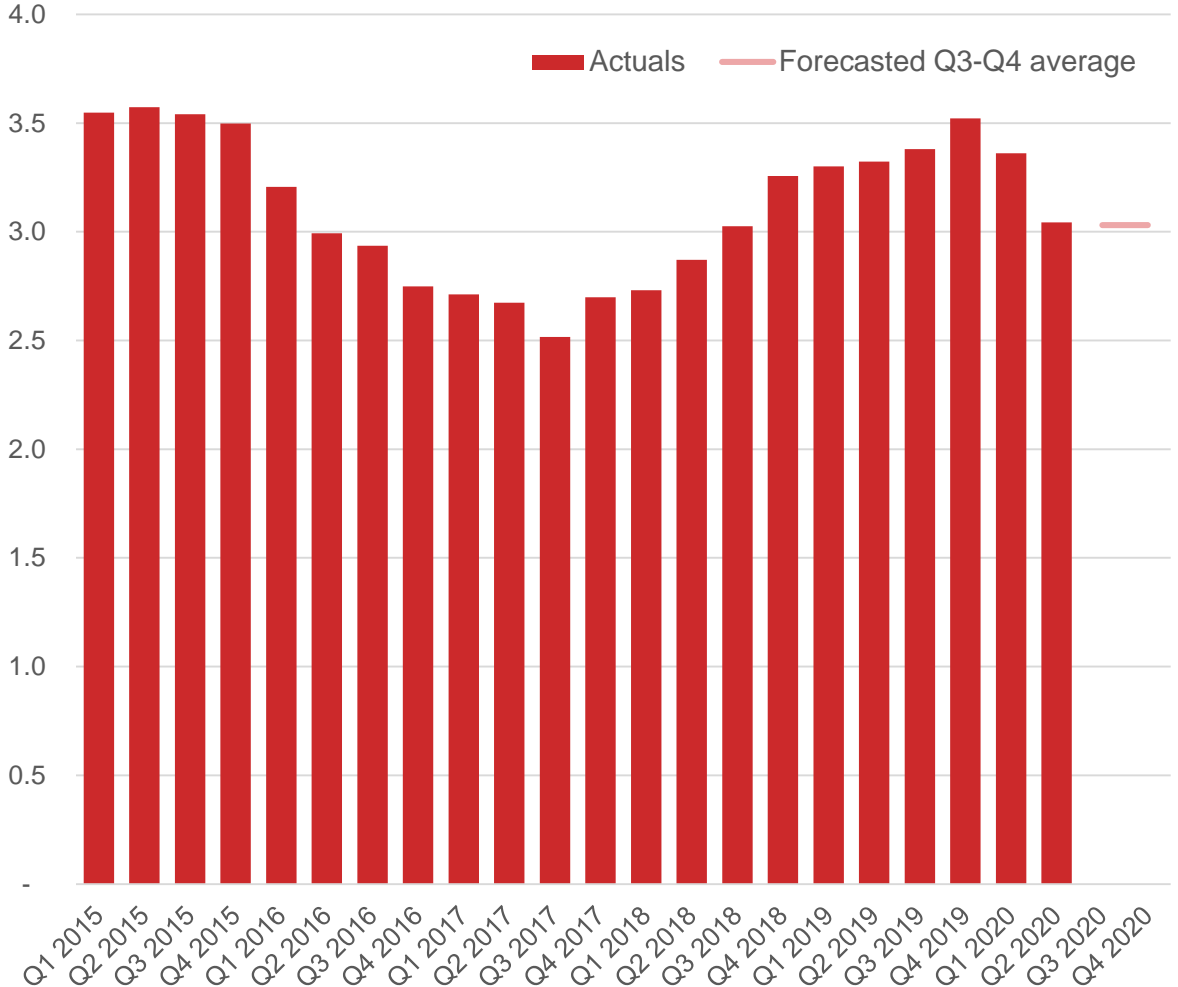
REFINED PRODUCTS PIPELINE VOLUMES

Gasoline, diesel & jet fuel, mmbbl/d



NATURAL GAS GATHERING & PROCESSING VOLUMES

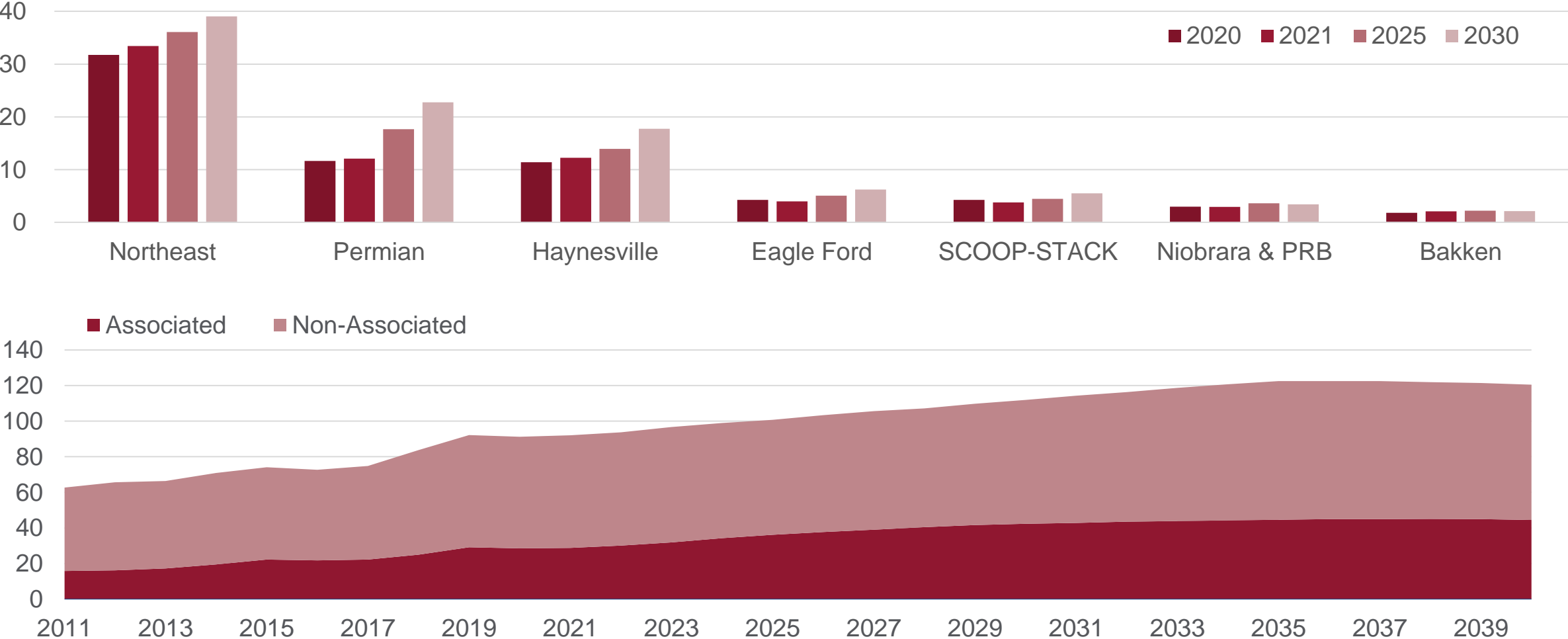
bcfd



Note: Forecasted Q3-Q4 2020 average based on forecast as of 7/20/2020.

Forecasted U.S. Natural Gas Production

Bcfd



Source: WoodMackenzie Long Term Outlook, June 2020

\$2.9bn of Commercially-Secured Capital Projects Underway

Project backlog as of 6/30/2020

	Demand Pull	Supply Push	KMI Capital (\$ billion)	Estimated In-Service Date	Capacity
Permian takeaway projects <i>(PHP, TX Intrastates, NGPL)</i>		•	\$ 0.9	Q4 2020 – Q1 2021	4.0 bcf/d
Supply for U.S. power & LDC demand <i>(TGP, FGT, EPNG, NGPL)</i>	•		0.4	Q3 2020 – 2022	0.7 bcf/d
Supply for LNG export <i>(KMLP, NGPL, EPNG)</i>	•		0.3	Q4 2020 – 2022	1.7 bcf/d
Bakken G&P expansions <i>(Hiland Williston Basin)</i>		•	0.1	Q3 2020 – Q4 2021	Various
Elba Liquefaction <i>(remaining units)</i>	•		0.1	Summer 2020	0.1 bcf/d
Other natural gas		•	0.2	Q3 2020 – 2023	>0.5 bcf/d
Natural Gas			\$ 2.1	~71% of total & 5.8x EBITDA multiple	
Products	•	•	0.1		
Terminals		•	0.2		
CO ₂	•	•	0.5		
TOTAL BACKLOG			\$ 2.9		

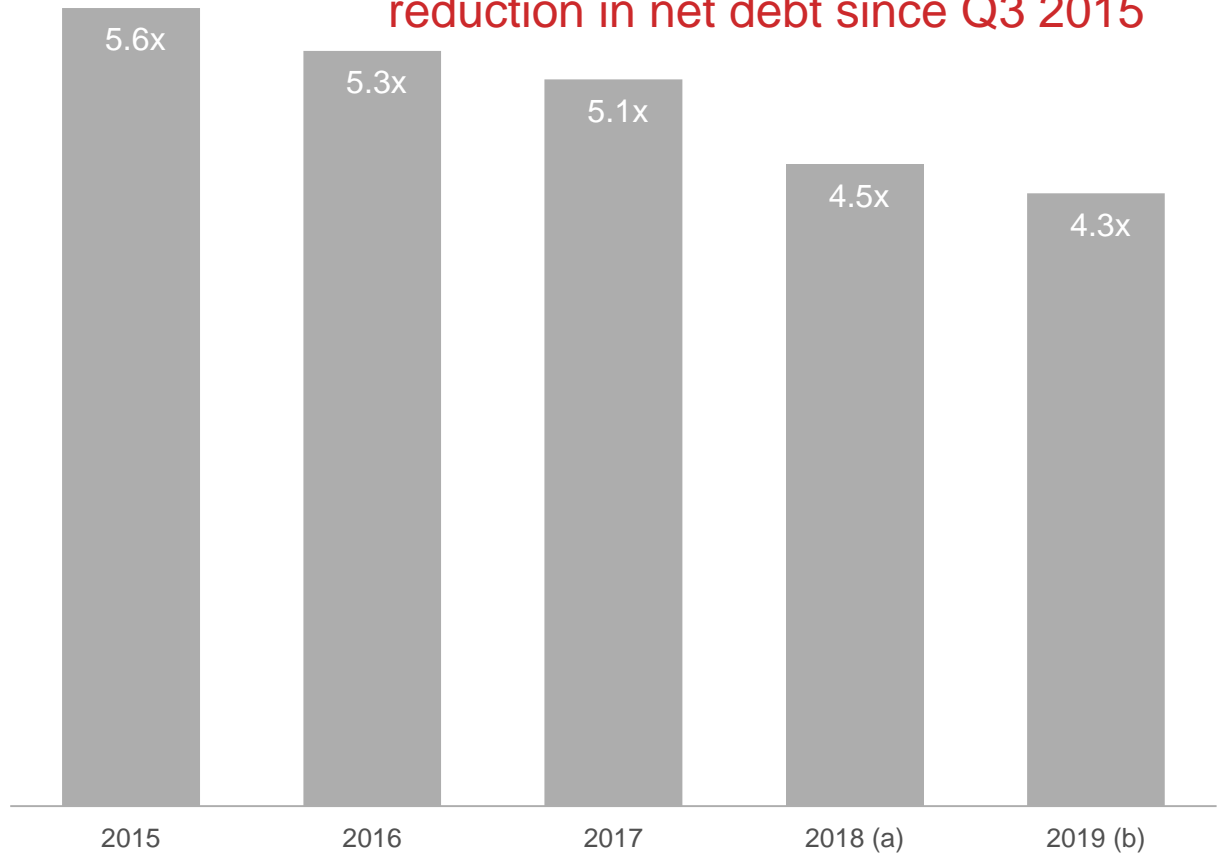
Note: See Non-GAAP Financial Measures & Reconciliations. EBITDA multiple reflects KM share of estimated capital divided by estimated Project EBITDA. Rows may not sum due to rounding.

Prepared to Weather the Storm

Disciplined management of the balance sheet improves financial position relative to prior downturns

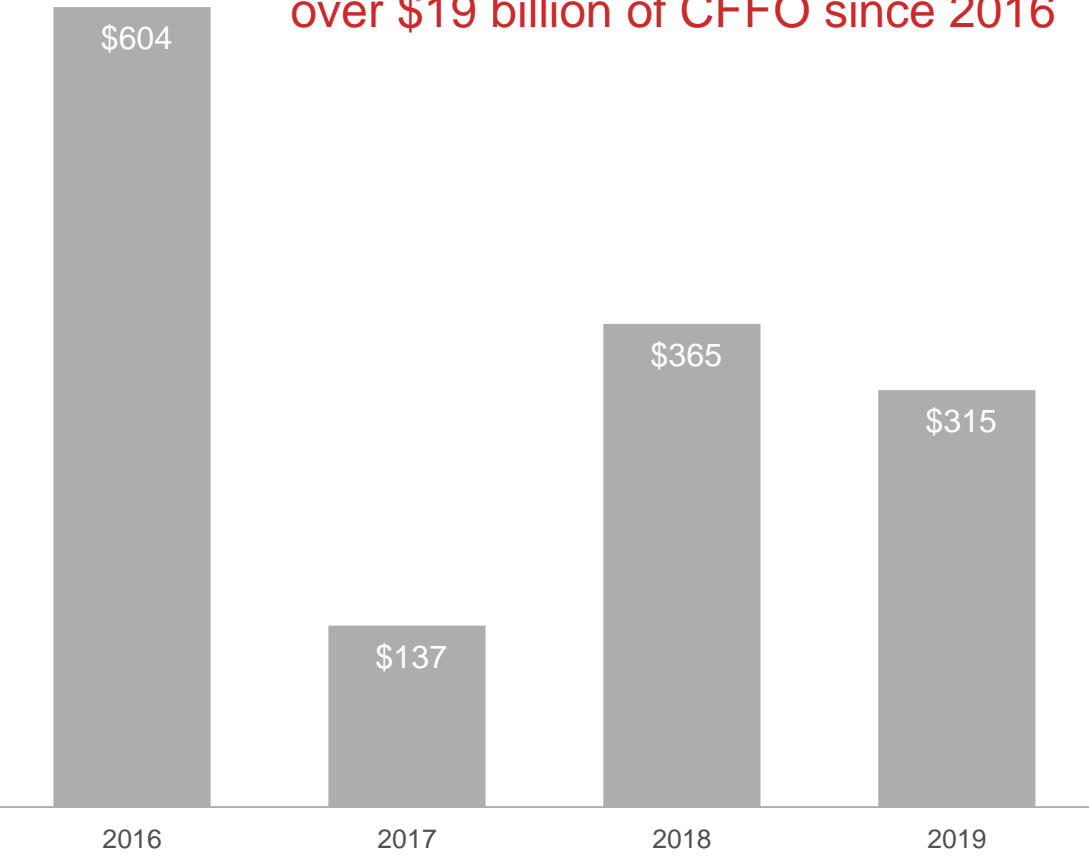
NET DEBT / ADJUSTED EBITDA

Significantly lower leverage with ~\$10 billion reduction in net debt since Q3 2015



CFFO – CAPITAL EXPENDITURES – DIVIDENDS PAID(c) \$ in millions

Self funding all dividends & capex with over \$19 billion of CFFO since 2016

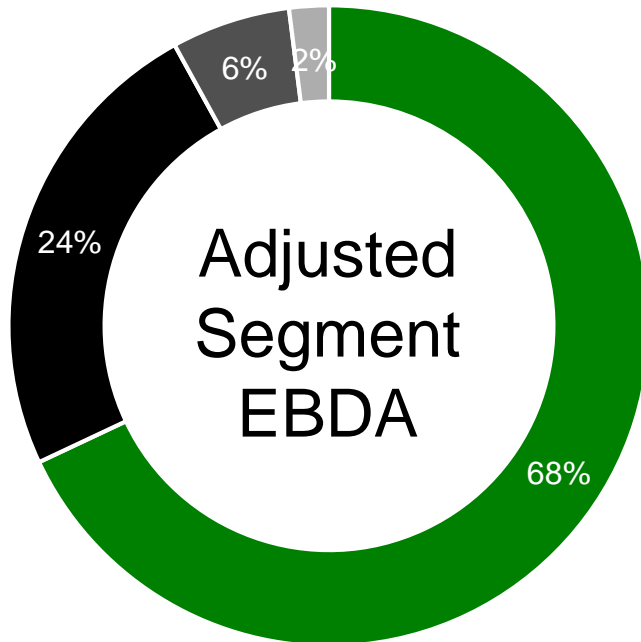


Note: See Non-GAAP Financial Measures & Reconciliations.
 a) 2018 Net Debt has been adjusted for certain KML-related debt and cash balances.
 b) 4.7x net debt / adjusted EBITDA estimated for year-end 2020 per forecast as of 7/20/2020.
 c) Per GAAP Statement of Cash Flows. Dividends paid includes common & preferred shares.

Highly-Contracted Cash Flows

Stable cash flows with ~74% take-or-pay or hedged earnings^(a)

CONTRACT MIX^(a)

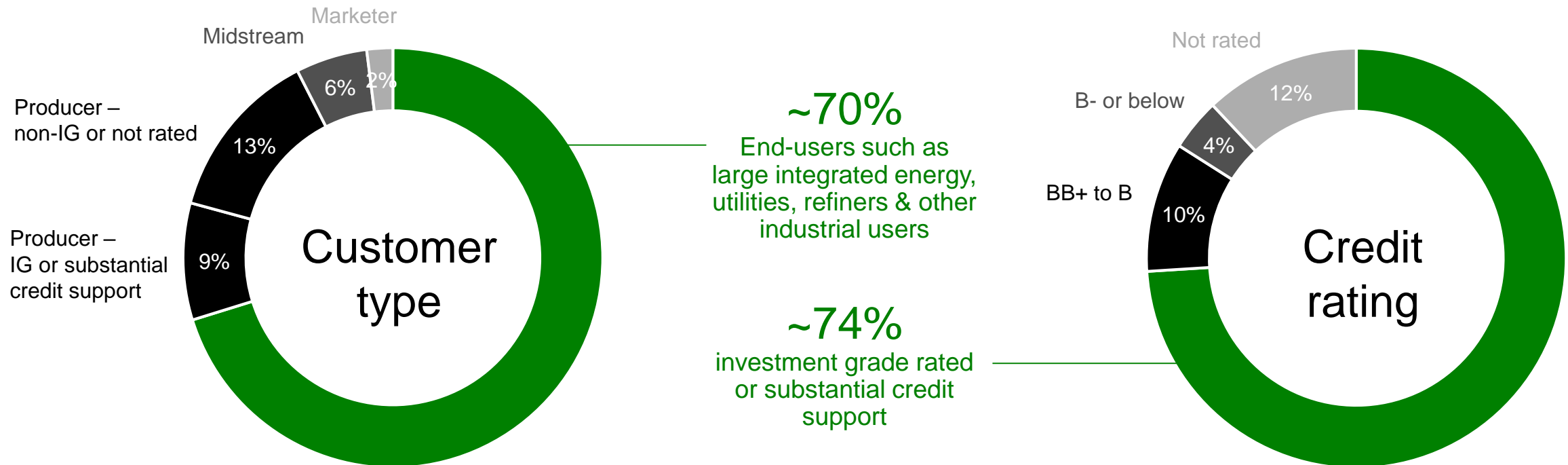


Contract type:	Payment feature:	Example assets:
68% Take-or-pay	Entitled to payment regardless of throughput Reservation fee for capacity	Natural gas interstates / LNG (>90%) Natural gas intrastates (~75% ^b) Liquids terminals (>75%) Crude oil transport (>70%) Jones Act tankers (100%) CO ₂ supply & transport (>90%)
24% Fee-based	Fixed fee collected regardless of commodity price Volumetric-based revenues	Refined products pipelines (~90%) Crude oil G&P (>90%) Natural gas G&P (>80%)
6% Hedged	Disciplined approach to managing price volatility Substantially hedged near-term price exposure	CO ₂ oil & gas production (>80% ^c)
2% Other	Commodity-price based	CO ₂ oil & gas production (<20%) Natural gas G&P (<10%)

a) Based Adjusted Segment EBDA per the 2020 forecast as of 4/20/2020. See Non-GAAP Financial Measures & Reconciliations.
 b) Includes term sale portfolio.
 c) Percentage of net crude oil, propane & heavy NGL (C4+) net equity production per the 2020 forecast as of 4/20/2020.

Customers Are Primarily End-Users of the Products We Handle

Net revenues underpinned by investment grade counterparties & credit support | Ratings as of 7/13/2020



Estimate less than 1% of exposure from B- or below rated customers, including customers in bankruptcy, after collateral & remarketing efforts

Note: Based on 2020 budgeted net revenues, which include our share of unconsolidated joint ventures & net margin for our Texas Intrastate customers & other midstream businesses. Pie charts includes 233 customers >\$5mm at their respective company credit ratings per S&P, Moody's & Fitch, shown at the S&P-equivalent rating & utilizing a blended rate for split-rated companies, which represent ~86% of total net revenues.

Our Pandemic Response

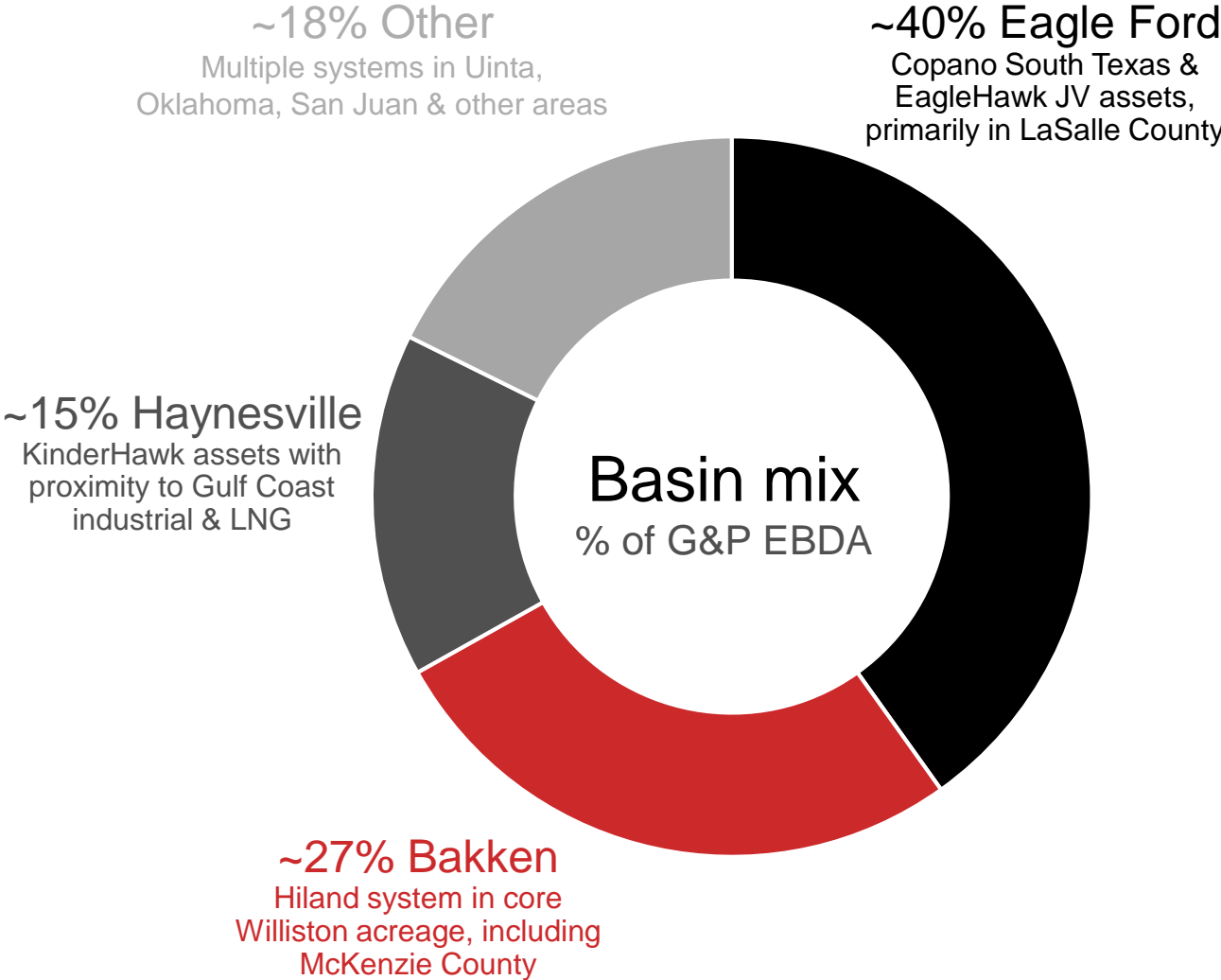
Prioritizing the health of our co-workers & their families while maintaining safe & reliable operations of our assets

- Leveraging well-established and previously utilized business continuity & pandemic response plans
- Kinder Morgan's Pandemic Preparedness Committee actively monitors both seasonal influenza & COVID-19
 - Regularly adapts response plan to follow guidance from Centers for Disease Control & other health organizations
- Enhanced cleaning protocols
- Telecommuting strategy began on March 16 where possible & continues as we monitor data from the CDC & other health organizations
- Reviewed all tasks that required physical presence to ensure adequate social distance or made alternative arrangements (e.g., critical roles such as field operations, control centers, IT & network operations, etc.)
 - Limiting access to our facilities
 - Implemented screening procedures
 - Distributing PPE, including masks, for a limited number of tasks where social distancing or alternatives were not possible
- In the case of a COVID-19 diagnoses, Human Resources follows established protocol for notifying employees who had direct contact with someone who tested positive to begin mitigation efforts

Delivering energy that is essential to the people, communities & businesses we serve

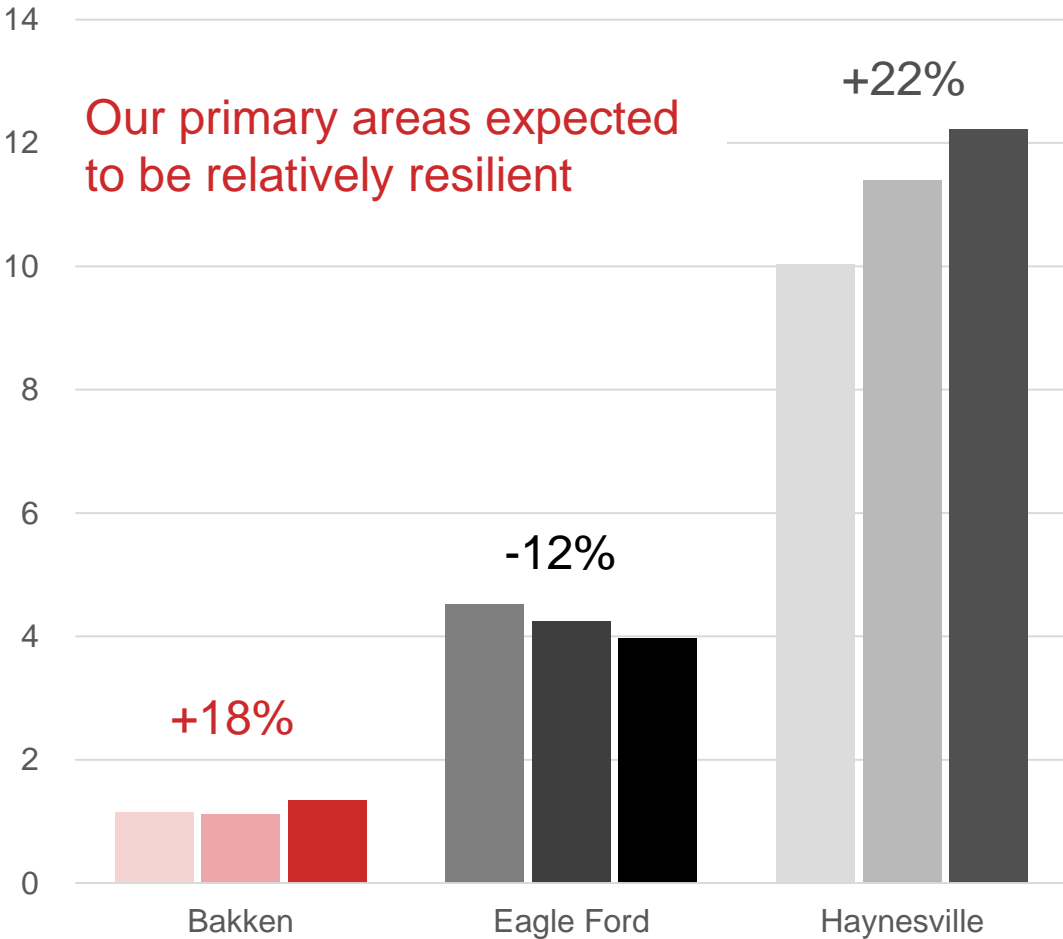
Gathering & Processing Assets Across Multiple Key Basins

Represents ~9% of KMI EBDA with ~7% in Natural Gas & ~2% in Products (primarily Bakken)



SHORT-TERM DRY GAS PRODUCTION OUTLOOK

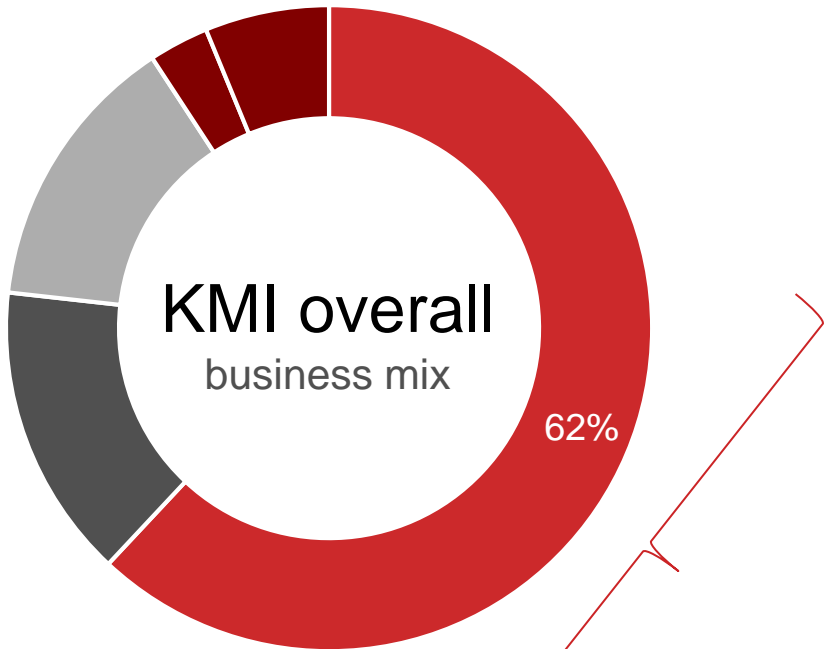
Bcfd, 2019 – 2021



Note: Business mix based on Adjusted Segment EBDA per 2020 forecast as of 7/20/2020. Includes assets in the Natural Gas & Products segments. See Non-GAAP Financial Measures & Reconciliations. Production outlook from Wood Mackenzie's North America Gas Long-Term Outlook (June 2020).

Natural Gas Segment is Predominantly Transport Pipelines

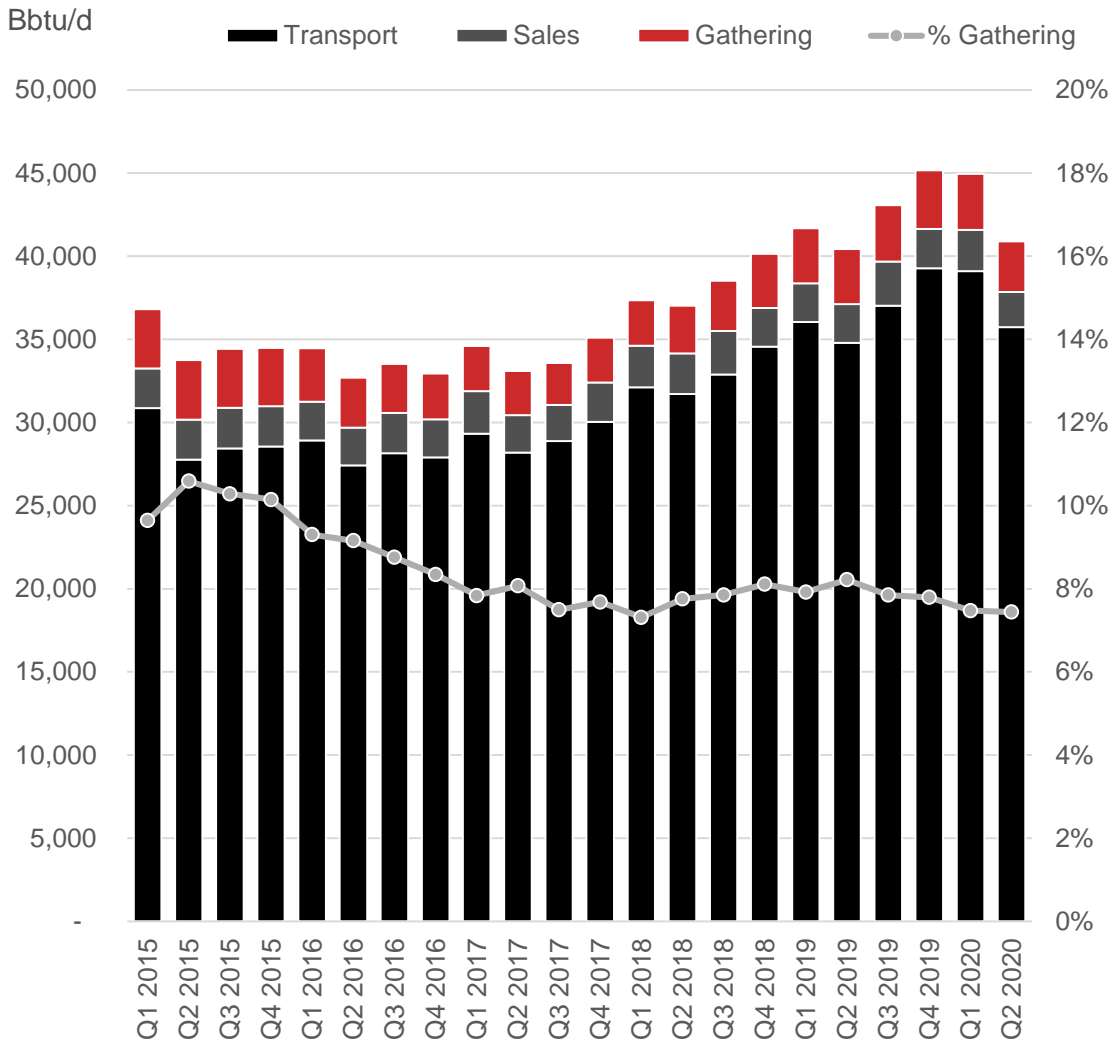
~80% take-or-pay | Fee-based gathering & processing assets focused on the Bakken, Eagle Ford & Haynesville



Natural Gas Segment:
 76% Interstate / LNG
 13% Intrastate
 11% G&P

~7% of total KMI from natural gas G&P

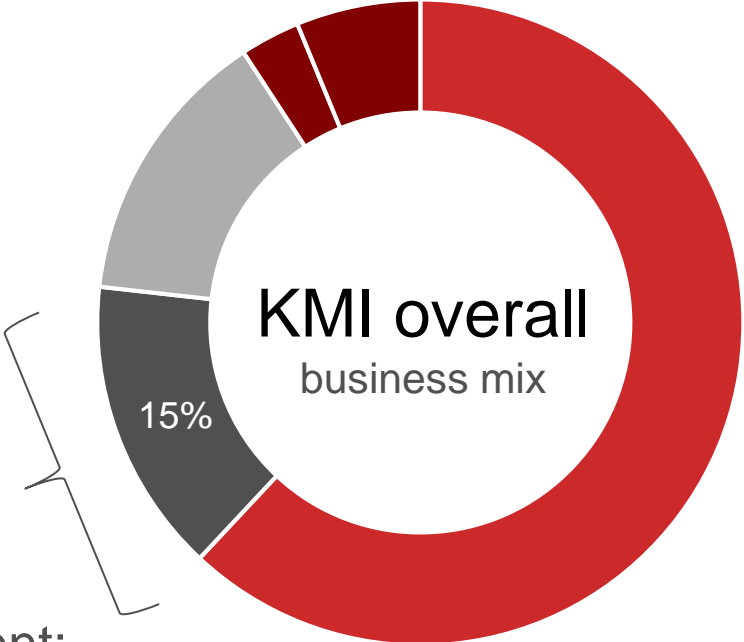
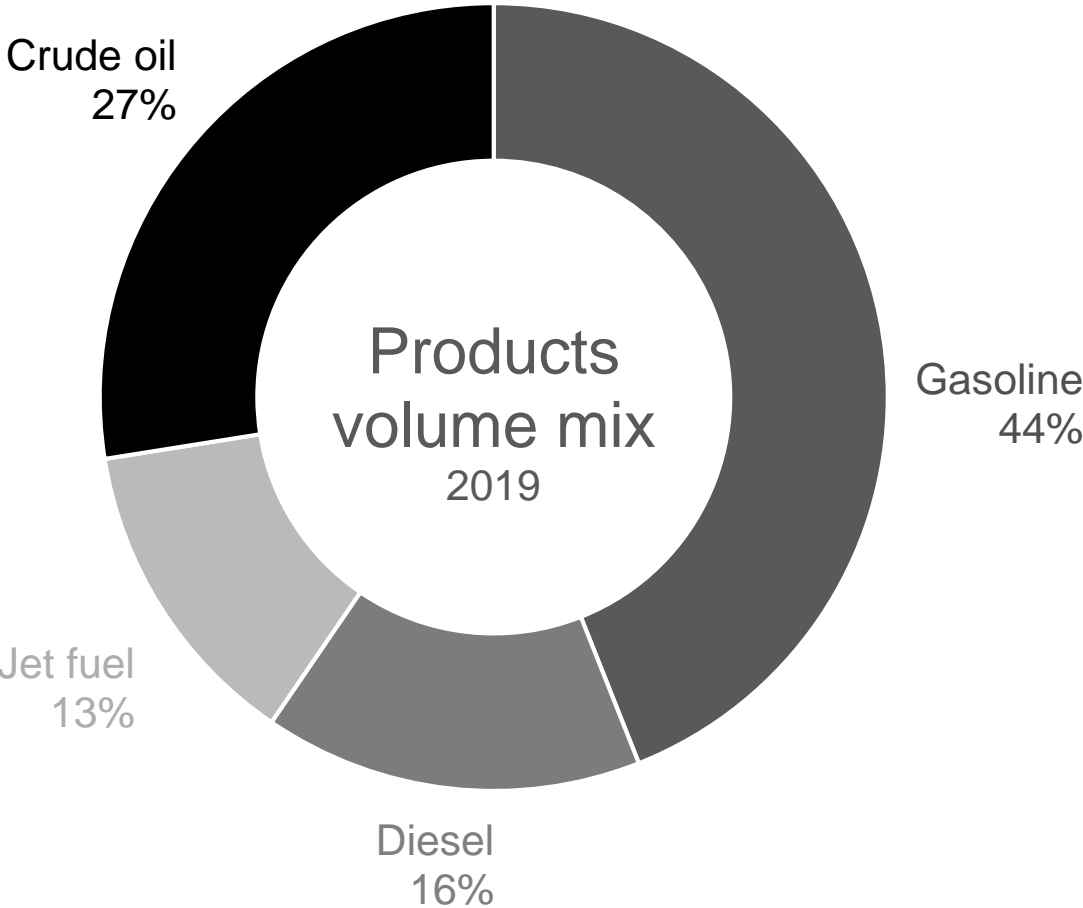
NATURAL GAS SEGMENT VOLUMES



Note: % take-or-pay based on budgeted Adjusted Segment EBDA as of 4/20/2020. Overall Business mix based on Adjusted Segment EBDA per 2020 forecast as of 7/20/2020. See Non-GAAP Financial Measures & Reconciliations.

Products Segment Transports Multiple Essential Fuels

Fee-based revenues from critical infrastructure providing mix of feedstock & finished products to refineries & end users



Products Segment:
 64% Refined products
 24% Crude oil transport
 12% Crude oil G&P

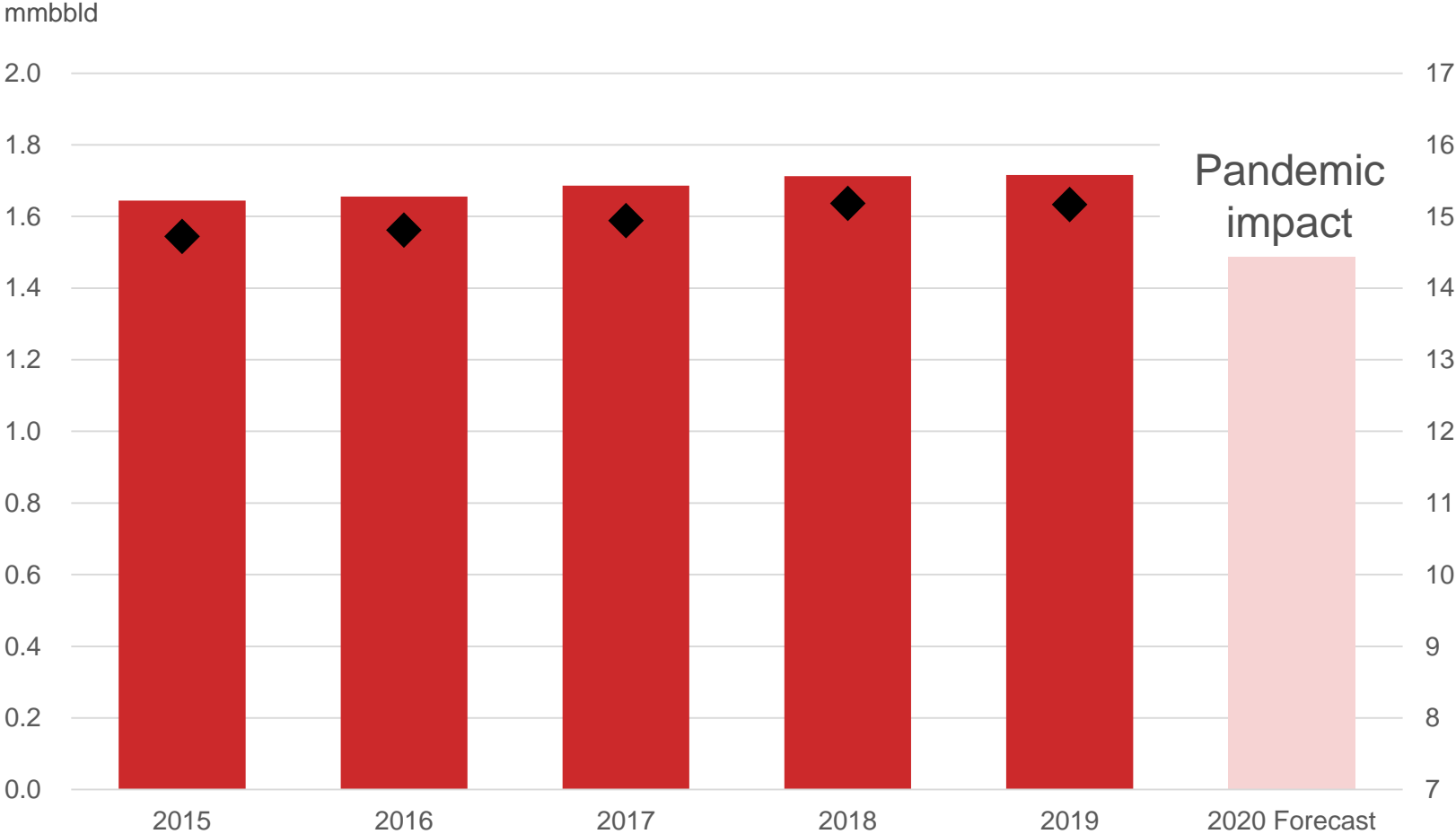
~2% of total KMI from crude oil G&P

Note: Business mix based on Adjusted Segment EBDA per 2020 forecast as of 7/20/2020. See Non-GAAP Financial Measures & Reconciliations.

Refined Products Pipes Historically A Steady Contributor

Fee-based with stable volumes over time, including through prior crude oil price downturns | ~10% of total KMI EBDA

REFINED PRODUCTS VOLUMES^(a)



■ KM refined products volumes (left) ◆ Domestic consumption (right)

HISTORICAL VOLUME GROWTH CAGR 2015-2019

1.1% > **0.7%**
KM U.S. consumption

Refined product demand is typically inelastic to price shocks

Expect rapid recovery in demand when economy re-opens

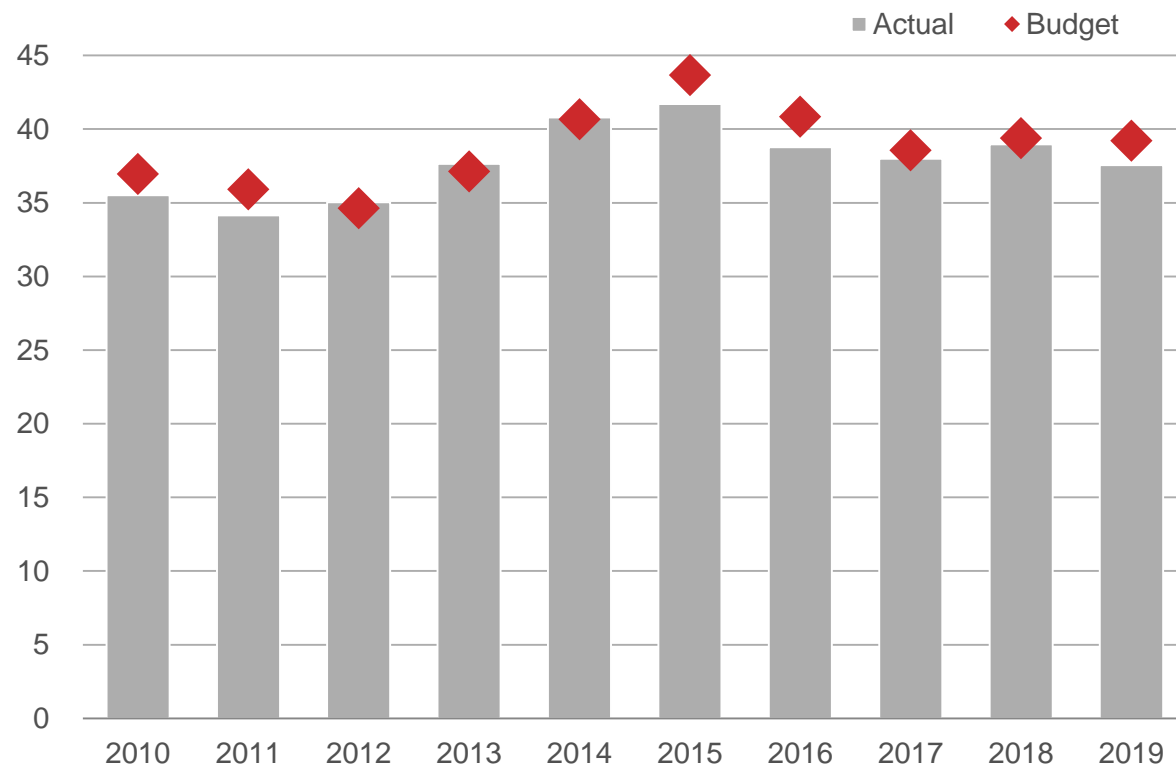
Note: % of total KMI EBDA based on Adjusted Segment EBDA per 2020 forecast as of 7/20/2020. See Non-GAAP Financial Measures & Reconciliations.
a) KM refined products volumes include SFPP, CALNEV, Central Florida & Plantation Pipe Line (KM share).

CO₂ Segment Predictable Volumes & Hedged Commodity Price

Mitigating uncertainties where possible | EOR oil & gas production represents ~6% of KMI business mix

NET OIL PRODUCTION: ACTUALS VS. BUDGET

mbbl/d



Stable & predictable production over many years with actual oil production within 2% of budget 2010-2019

HEDGED VOLUMES

as of 6/30/2020

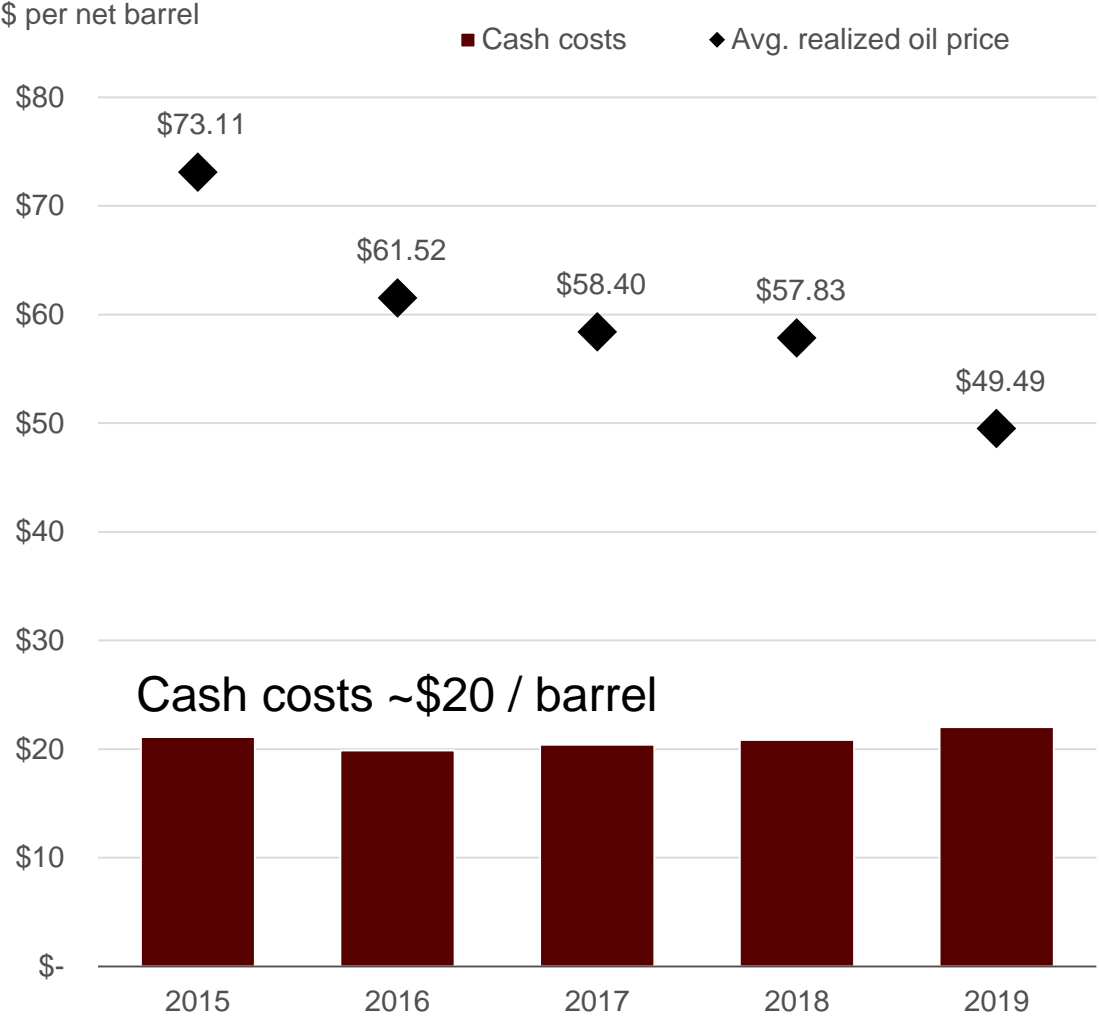
	Jul - Dec 2020	2021	2022	2023	2024
Crude oil - West Texas Intermediate					
\$/bbl	\$55.84	\$53.48	\$53.28	\$50.14	\$ 43.03
bbbl/d	30,948	17,400	8,400	5,150	850
NGLs					
\$/bbl	\$27.62	\$ 24.39			
bbbl/d	6,065	575			
Midland-to-Cushing basis spread					
\$/bbl	\$0.14				
bbbl/d	31,100				

Disciplined hedge policy mitigates near-term price volatility impact on expected cash flows

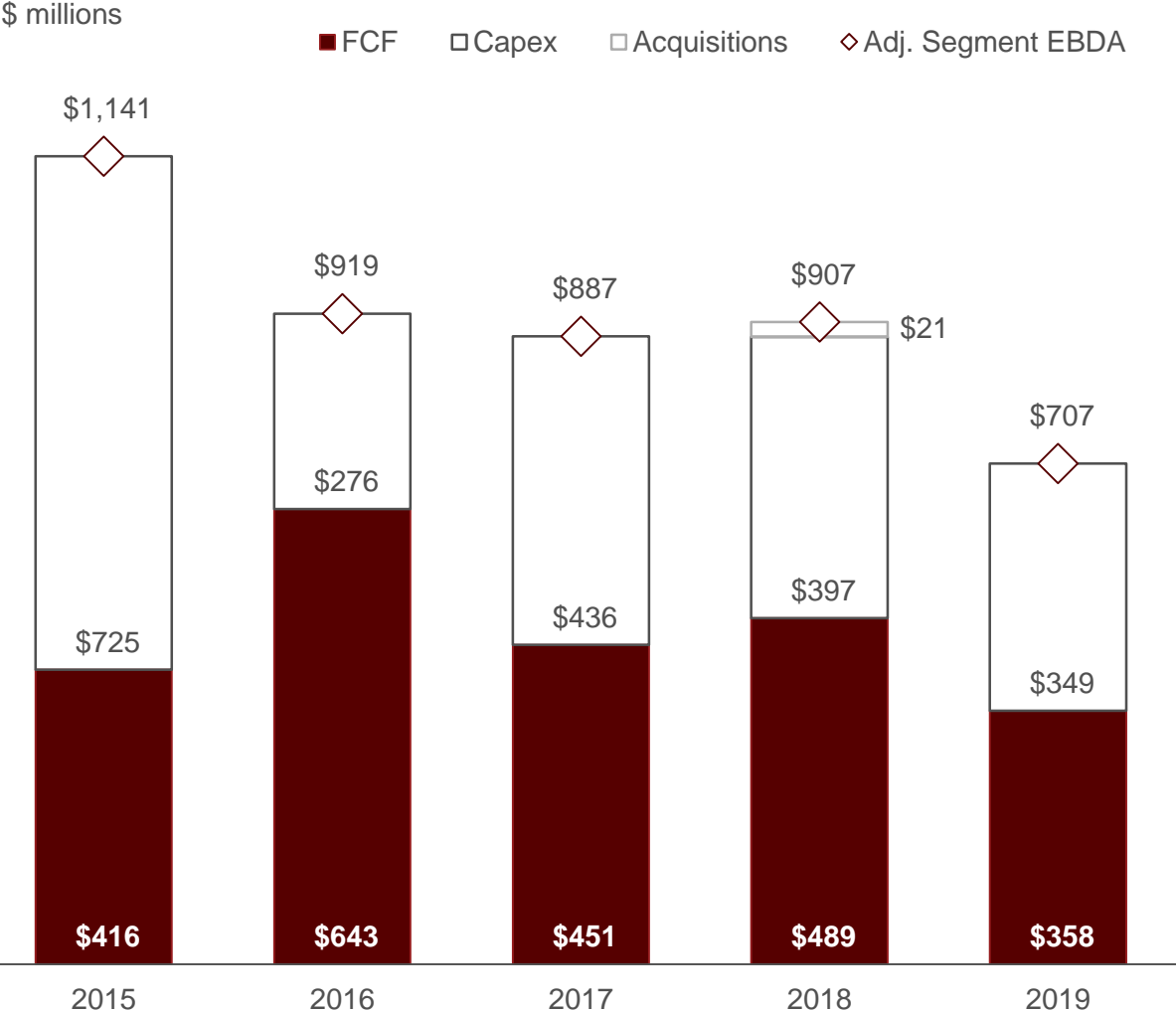
CO₂ Segment Consistently Generates Free Cash Flow

Low cash cost structure yields healthy margins through multiple commodity price cycles

EOR OIL & GAS CASH OPERATING COSTS



CO₂ SEGMENT FREE CASH FLOW



Note: Cash costs & revenue per net oil barrel, including hedges where applicable. See Non-GAAP Financial Measures & Reconciliations for CO₂ free cash flow (FCF).

Energy Toll Road

Cash flow security with >90% from take-or-pay & other fee-based contracts

	Natural Gas Pipelines			Products Pipelines		Terminals			CO ₂	
2020 EBDA % ^(a)	62%			15%		14%			9%	
Asset Mix ^(a)	Interstate / LNG	Intrastate	G&P	Refined products	Crude	Liquids terminals	Jones Act tankers	Bulk terminals	EOR Oil & Gas	CO ₂ & Transport
	76%	13%	11%	64%	36%	57%	21%	22%	67%	33%
Volume Security ^(a)	~93% take-or-pay ^(a)	~75% take-or-pay ^(a,b)	~83% fee-based with minimum volume requirements and/or acreage dedications ^(a)	primarily volume-based	~89% fee-based ^(a)	~77% take-or-pay ^(a)	100% take-or-pay ^(a)	primarily minimum volume guarantee or requirements	volume-based	Effectively 100% minimum volume committed based on current forecast
Average Remaining Contract Life ^(c)	6.6 / 20 years	5.7 years ^(b)	3.0 years	generally not applicable	3.1 years	3.0 years	1.5 years	4.9 years		9 years
Pricing Security	primarily fixed based on contract	primarily fixed margin	primarily fixed price	annual FERC tariff escalator (PPI-FG + 1.23%)	primarily fixed based on contract	based on contract; typically fixed or tied to PPI			volumes ~90% hedged ^(d)	~91% protected by contractual price floors ^(a)
Regulatory Security	regulated return	essentially market-based	market-based	Pipelines: regulated return Terminals & transmix: not price regulated ^(e)		not price regulated			primarily unregulated	
Commodity Price Exposure	no direct exposure	limited exposure	limited exposure	minimal, limited to transmix business		no direct exposure			hedged / limited exposure	

a) 2020 EBDA and Asset Mix based on Adjusted Segment EBDA per the 2020 forecast as of 7/20/2020. Volume Security percentages based on Adjusted Segment EBDA per the forecast as of 4/20/2020. See Non-GAAP Financial Measures & Reconciliations. Amounts have been rounded.

b) Includes term sale portfolio.

c) As of 1/1/2020.

d) Percentage of H2 2020 forecasted net crude oil, propane & heavy NGL (C4+) net equity production.

e) Products terminals not FERC regulated, except portion of CALNEV.

Non-GAAP Financial Measures & Reconciliations

Defined Terms

Reconciliations for the historical periods

Use of Non-GAAP Financial Measures

The non-GAAP financial measures of Adjusted Earnings and distributable cash flow (DCF), each in the aggregate and per share; segment earnings before depreciation, depletion, amortization (DD&A) and amortization of excess cost of equity investments and Certain Items (Adjusted Segment EBDA); net income before interest expense, income taxes, DD&A, amortization of excess cost of equity investments and Certain Items (Adjusted EBITDA); Net Debt; Net Debt to Adjusted EBITDA; Project EBITDA; and CO₂ Free Cash Flow are presented herein.

Our non-GAAP financial measures described further below should not be considered alternatives to GAAP net income or other GAAP measures and have important limitations as analytical tools. Our computations of these non-GAAP financial measures may differ from similarly titled measures used by others. You should not consider these non-GAAP financial measures in isolation or as substitutes for an analysis of our results as reported under GAAP. Management compensates for the limitations of these non-GAAP financial measures by reviewing our comparable GAAP measures, understanding the differences between the measures and taking this information into account in its analysis and its decision-making processes.

We do not provide (i) budgeted net income available to common stockholders and net income (the GAAP financial measures most directly comparable to budgeted DCF and Adjusted EBITDA, respectively) or budgeted metrics derived therefrom (such as the portion of net income attributable to an individual capital project, the GAAP financial measure most directly comparable to Project EBITDA) due to the impracticality of predicting certain amounts required by GAAP, such as unrealized gains and losses on derivatives marked to market, and potential changes in estimates for certain contingent liabilities; (ii) budgeted revenue (the GAAP financial measure closest to net revenue) due to impracticality of predicting certain items required by GAAP, including projected commodity prices at the multiple purchase and sale points across certain intrastate pipeline systems. Instead, we are able to project the net revenue received for transportation services based on contractual agreements and historical operational experience; or (iii) budgeted CO₂ Segment EBDA (the GAAP financial measure most directly comparable to 2020 budgeted CO₂ Free Cash Flow) due to the inherent difficulty and impracticability of predicting certain amounts required by GAAP, such as potential changes in estimates for certain contingent liabilities and unrealized gains and losses on derivatives marked to market.

Certain Items, as adjustments used to calculate our non-GAAP financial measures, are items that are required by GAAP to be reflected in net income, but typically either (1) do not have a cash impact (for example, asset impairments), or (2) by their nature are separately identifiable from our normal business operations and in our view are likely to occur only sporadically (for example, certain legal settlements, enactment of new tax legislation and casualty losses).

JV DD&A is calculated as (i) KMI's share of DD&A from unconsolidated JVs, reduced by (ii) our partners' share of DD&A from JVs consolidated by KMI.

JV Sustaining Capex is calculated as KMI's share of sustaining capex made by joint ventures (both unconsolidated JVs and JVs consolidated by KMI).

Adjusted Earnings is calculated by adjusting net income available to common stockholders for Certain Items. Adjusted Earnings is used by us and certain external users of our financial statements to assess the earnings of our business excluding Certain Items as another reflection of our business's ability to generate earnings. We believe the GAAP measure most directly comparable to Adjusted Earnings is net income available to common stockholders. Adjusted Earnings per share uses Adjusted Earnings and applies the same two-class method used in arriving at basic earnings per common share.

DCF is calculated by adjusting net income available to common stockholders for Certain Items (or Adjusted Earnings, as defined above), and further by DD&A and amortization of excess cost of equity investments, income tax expense, cash taxes, sustaining capital expenditures and other items. DCF is a significant performance measure useful to management and external users of our financial statements in evaluating our performance and in measuring and estimating the ability of our assets to generate cash earnings after servicing our debt, paying cash taxes and expending sustaining capital, that could be used for discretionary purposes such as common stock dividends, stock repurchases, retirement of debt, or expansion capital expenditures. DCF should not be used as an alternative to net cash provided by operating activities computed under GAAP. We believe the GAAP measure most directly comparable to DCF is net income available to common stockholders. DCF per common share is DCF divided by average outstanding common shares, including restricted stock awards that participate in common dividends.

Use of Non-GAAP Financial Measures (Continued)

Adjusted Segment EBDA is calculated by adjusting segment earnings before DD&A and amortization of excess cost of equity investments (Segment EBDA) for Certain Items attributable to the segment. Adjusted Segment EBDA is used by management in its analysis of segment performance and management of our business. General and administrative expenses and certain corporate charges are generally not under the control of our segment operating managers, and therefore, are not included when we measure business segment operating performance. We believe Adjusted Segment EBDA is a useful performance metric because it provides management and external users of our financial statements additional insight into the ability of our segments to generate segment cash earnings on an ongoing basis. We believe it is useful to investors because it is a measure that management uses to allocate resources to our segments and assess each segment's performance. We believe the GAAP measure most directly comparable to Adjusted Segment EBDA is Segment EBDA.

Adjusted EBITDA is calculated by adjusting net income before interest expense, income taxes, and DD&A, including amortization of excess cost of equity investments (EBITDA) for Certain Items, KMI's share of unconsolidated joint venture (JV) DD&A and income tax expense (net of our partners' share of consolidating JV DD&A and income tax expense), and net income attributable to noncontrolling interests other than KML noncontrolling interests (sold on December 15, 2019). Adjusted EBITDA is used by management and external users, in conjunction with our Net Debt (as described further below), to evaluate certain leverage metrics. Therefore, we believe Adjusted EBITDA is useful to investors. We believe the GAAP measure most directly comparable to Adjusted EBITDA is net income.

Net Debt is calculated by subtracting from debt (i) cash and cash equivalents, (ii) the preferred interest in the general partner of Kinder Morgan Energy Partners L.P. (repaid on January 15, 2020), (iii) debt fair value adjustments, and (iv) the foreign exchange impact on Euro-denominated bonds for which we have entered into currency swaps. Management believes Net Debt is useful to investors and other users of our financial information in evaluating our leverage. We believe the most comparable measure to Net Debt is debt net of cash and cash equivalents.

Project EBITDA is calculated for an individual capital project as earnings before interest expense, taxes, DD&A and general and administrative expenses attributable to such project, or for JV projects, our percentage share of the foregoing. Management uses Project EBITDA to evaluate our return on investment for capital projects before expenses that are generally not controllable by operating managers in our business segments. We believe the GAAP measure most directly comparable to Project EBITDA is the portion of net income attributable to a capital project.

CO₂ Free Cash Flow is calculated by reducing Segment EBDA (GAAP) for our CO₂ segment by Certain Items and capital expenditures (sustaining and expansion) and acquisitions attributable to the segment. Management uses CO₂ Free Cash Flow as an additional performance measure for our CO₂ segment. We believe the GAAP measure most directly comparable to CO₂ Free Cash Flow is Segment EBDA (GAAP) for our CO₂ segment.

GAAP Reconciliations

\$ in millions

Reconciliation of DCF	2019
Net income available to common stockholders (GAAP)	\$ 2,190
Total Certain Items	(29)
Adjusted Earnings ^(a)	2,161
DD&A and amortization of excess cost of equity investments for DCF ^(b)	2,867
Income tax expense for DCF ^(a,b)	714
Cash taxes ^(c)	(90)
Sustaining capital expenditures ^(c)	(688)
Other items ^(d)	29
DCF	\$ 4,993

Reconciliation of Net Debt	
Outstanding long-term debt	\$ 30,883
Current portion of debt	2,377
Foreign exchange impact on hedges for Euro Debt outstanding	(44)
Less: cash & cash equivalents	(185)
Net Debt	\$ 33,031

Reconciliation of Adjusted EBITDA	2019
Net income (GAAP)	\$ 2,239
Total Certain Items	(29)
DD&A and amortization of excess cost of equity investments	2,494
Income tax expense ^(a)	627
KMI's share of JV DD&A and income tax expense ^(a,e)	487
Interest, net ^(a)	1,816
Net income attributable to NCI (net of KML NCI) ^(a)	(16)
Adjusted EBITDA	\$ 7,618

Certain Items	
Fair value amortization	\$ (29)
Legal, environmental and taxes other than income tax reserves	46
Change in fair market value of derivative contracts ^(f)	(24)
Gain on divestitures and impairments, net ^(g)	(280)
Income tax Certain Items	299
NCI associated with Certain Items	(4)
Other	(37)
Total Certain Items	\$ (29)

a) Amounts are adjusted for Certain Items.

b) Includes KMI's share of DD&A or income tax expense from JVs, net of DD&A or income tax expense attributable to KML NCI, as applicable.

c) Includes KMI's share of cash taxes or sustaining capital expenditures from JVs, as applicable.

d) Includes non-cash pension expense, net of cash contributions, and non-cash compensation associated with our restricted stock program.

e) KMI's share of unconsolidated JV DD&A and income tax expense, net of consolidating JV partners' share of DD&A.

f) Gains or losses are reflected in our DCF when realized.

g) Includes: (i) a \$1,296 million pre-tax gain on the sale of KML and U.S. Cochin Pipeline and a pre-tax loss of \$364 million for asset impairments, related to gathering and processing assets in Oklahoma and northern Texas in our Natural Gas Pipelines business segment and oil and gas producing assets in our CO2 business segment; and (ii) a pre-tax \$650 million loss for an impairment of our investment in Ruby Pipeline.

GAAP Reconciliations

\$ in millions

Reconciliation of Adjusted Segment EBDA	2019
Natural Gas Pipelines (GAAP)	\$ 4,661
Certain Items	(51)
Natural Gas Pipelines Adjusted Segment EBDA	4,610
Products Pipelines (GAAP)	1,225
Certain Items	33
Products Pipelines Adjusted Segment EBDA	1,258
Terminals (GAAP)	1,506
Certain Items	(332)
Terminals Adjusted Segment EBDA	1,174
CO ₂ (GAAP)	681
Certain Items	26
CO ₂ Adjusted Segment EBDA	707
Kinder Morgan Canada (GAAP)	(2)
Certain Items	2
Kinder Morgan Canada Adjusted Segment EBDA	-
Total Segment EBDA (GAAP)	8,071
Total Segment EBDA Certain Items	(322)
Total Adjusted Segment EBDA	\$ 7,749

Reconciliation of DD&A and amortization of excess cost of equity investments for DCF	
Depreciation, depletion and amortization (GAAP)	\$ (2,411)
Amortization of excess cost of equity investments (GAAP)	(83)
DD&A and amortization of excess cost of equity investments	(2,494)
KMI's share of JV DD&A	(392)
DD&A attributable to KML NCI	19
DD&A and amortization of excess cost of equity investments for DCF	\$ (2,867)

Reconciliation of general and administrative and corporate charges	
General and administrative (GAAP)	\$ (590)
Corporate charges	(21)
Certain Items	13
General and administrative and corporate charges^(a)	\$ (598)

Reconciliation of interest, net	2019
Interest, net (GAAP)	\$ (1,801)
Certain Items	(15)
Interest, net^(a)	\$ (1,816)

Reconciliation of income tax expense for DCF^(a)	
Income tax expense (GAAP)	\$ (926)
Certain Items	299
Income tax expense ^(a)	(627)
KMI's share of taxable JV income tax expense ^(a)	(95)
Income tax expense attributable to KML NCI ^(a)	8
Income tax expense for DCF^(a)	\$ (714)

Reconciliation of KML NCI DCF adjustments^(a)	
Net income attributable to KML NCI	\$ (29)
KML NCI associated with Certain Items	(4)
KML NCI ^(a)	(33)
DD&A attributable to KML NCI	(19)
Income tax expense attributable to KML NCI ^(a)	(8)
KML NCI DCF adjustments^(a)	\$ (60)

Reconciliation of net income attributable to NCI (net of KML NCI and Certain Items)	
Net income attributable to NCI (GAAP)	\$ (49)
Less: KML NCI ^(a)	(33)
Net income attributable to NCI (net of KML NCI^(a))	(16)
NCI associated with Certain Items	(4)
Net income attributable to NCI (net of KML NCI and Certain Items)	\$ (20)

a) Amounts are adjusted for Certain Items.

Reconciliation of CO₂ Free Cash Flow

\$ in millions

Reconciliation of CO₂ Free Cash Flow	2015	2016	2017	2018	2019
Segment EBDA	\$ 657	\$ 827	\$ 847	\$ 759	\$ 681
Certain items:					
Non-cash impairments and project write-offs	622	29	-	79	75
Derivatives and other	(138)	63	40	90	(49)
Severance tax refund	-	-	-	(21)	-
Adjusted Segment EBDA	1,141	919	887	907	707
Capital expenditures (a)	725	276	436	397	349
Acquisitions	-	-	-	21	-
CO₂ Free Cash Flow	\$ 416	\$ 643	\$ 451	\$ 489	\$ 358

a) Includes both sustaining & discretionary capital expenditures.