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This presentation includes "forward-looking statements." Such forward-looking statements are subject to a number of risks and uncertainties, many of which are not under AR's control. All statements, except for statements of historical fact, made in this presentation regarding activities, events or developments AR expects, believes or anticipates will or may occur in the future, such as those regarding expected results, future commodity prices, future production targets, completion of natural gas or natural gas liquids transportation projects, future earnings, future capital spending plans, improved and/or increasing capital efficiency, continued utilization of existing infrastructure, gas marketability, estimated realized natural gas, natural gas liquids and oil prices, acreage quality, access to multiple gas markets, expected drilling and development plans (including the number, type, lateral length and location of wells to be drilled, the number and type of drilling rigs and the number of wells per pad), projected well costs and cost savings initiatives, future financial position, future technical improvements, future marketing and asset monetization opportunities, the amount and timing of any contingent payments and AR's environmental goals are forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, the participation level of our drilling partner and the financial and operational results to be achieved as a result of the drilling partnership, including the estimated free cash flow and other key assumptions underlying its projections and Section 21E of the Securities Exchange Act of 1934. All forward-looking statements speak only as of the date of this presentation. Although AR believes that the plans, intentions and expectations reflected in or suggested by the forward-looking statements are reasonable, there is no assurance that these plans, intentions or expectations will be achieved. Therefore, actual outcomes and results could materially differ from what is expressed, implied or forecast in such statements. Except as required by law, AR expressly disclaims any obligation to and does not intend to publicly update or revise any forward-looking statements.

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Any forward-looking statements speak only as of the date on which such statement is made, and AR undertakes no obligation to correct or update any forward-looking statements whether as a result of new information, future events or otherwise, except as required by applicable law

This presentation also includes Free Cash Flow, Adjusted EBITDAX, Net Debt, Net F&D Costs, and leverage for AR, and Free Cash Flow, Adjusted EBITDA, Return on Invested Capital, and leverage for AM,, each of which is a financial measure that is not calculated in accordance with U.S. generally accepted accounting principles ("GAAP"). Please see "Antero Non-GAAP Measures" for the definition of this measure as well as certain additional information regarding these measures.

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Antero Resources Corporation is denoted as "AR" in the presentation and Antero Midstream Corporation is denoted as "AM", which are their respective New York Stock Exchange ticker symbols.

Antero Resources Snapshot





Denver, CO

HEADQUARTERS



\$6.7 B

ENTERPRISE VALUE (1)



4th Largest

U.S. GAS PRODUCER (2)



2nd Largest

U.S. NGL PRODUCER (2)



Own 38%

OF CORE LIQUIDS-RICH UNDRILLED LOCATIONS IN APPALACHIA⁽³⁾



~950

ADDITIONAL DRY GAS LOCATIONS IN DRILLING INVENTORY (3)



93% Hedged

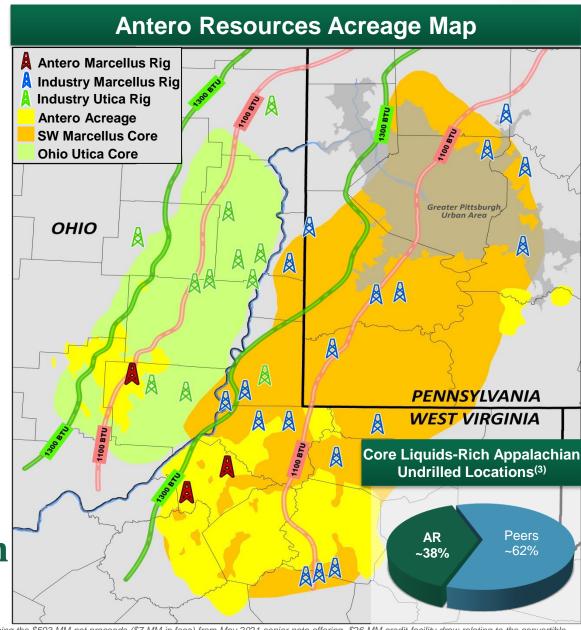
ON NATURAL GAS THROUGH 2021 @ \$2.77/MMBtu



29% Midstream

AM VALUE HELD BY AR \$1.4 B

Note: Hedge position as of 3/31/21. Rigs on map as of 4/30/21, per Rig data. AM value based on 6/17/21 share price.



Market data as of 6/17/2021. Pro forma for redemption of remaining 2023 Notes using the \$593 MM net proceeds (\$7 MM in fees) from May 2021 senior note offering, \$26 MM credit facility draw relating to the convertible note equitization and ~\$175 MM redemption of senior notes due 2026 at 1.08375% via equity clawback provision, resulting in ~\$190 MM onto credit facility.

Natural gas and NGL rankings based on 1Q21 reported production.
 AR drilling inventory as of 12/31/2020. Industry location count based on Antero technical analysis of undeveloped acreage in the core of the Marcellus and Ohio Utica Shales.

Corporate Presentation



> Executive Summary



- > Asset Overview
- > Natural Gas & NGL Macro
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The Antero Investment Opportunity



Antero is positioned to deliver peer-leading Free Cash Flow, with a rapidly declining leverage profile in 2021

Scale and Operating Leverage

- 2nd Largest NGL Producer in the U.S.
- 4th Largest Natural Gas Producer in the U.S.
- Differentiated operating leverage to higher commodity prices

Sustainable Business Model

- Over \$600 MM of forecast Free Cash Flow in 2021 (1)
- Over \$2.0 B of forecast Free Cash Flow through 2025 (1)
- Over 2,000 premium undeveloped premium core locations
- ~\$1.84/MMBtu natural gas breakeven price, unhedged (2)

Strong Balance Sheet

- Leverage at 2.0x and expected to drop below 2x in 2021 (3)
- Absolute debt reduction of \$800 MM in 2020 and over \$700 MM expected in 2021

Leading ESG Metrics

- One of the industry's lowest GHG emission intensity metrics
- Very low 0.046% Methane Leak Loss Rate No flaring
- 83% of produced water reused in 2020
- Goal to reach net zero carbon emissions by 2025

¹⁾ Free Cash Flow, which is shown before changes in working capital, is a non-GAAP metric. Excludes \$51 MM contingent payment expected to be received in 2Q 2021 contingent on achieving certain volume thresholds relating to the ORRI transaction. Please see appendix for additional disclosures, definitions, and assumptions.

²⁾ Represents AR internal 2021-2022 weighted average breakeven price and is defined as full cycle pre-tax ROR of 15%. Assume WTI price of \$61.95/Bbl and \$58.41/Bbl in 2021 and 2022, respectively.

Assumes C3+ NGL price of \$36.94/Bbl and \$35.10/Bbl in 2021 and 2022, respectively.

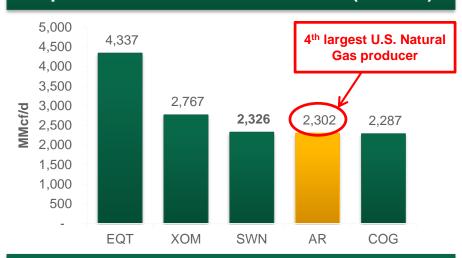
Leverage is a non-GAAP metric, which represents approximate debt to LTM Adjusted EBITDAX level as of 3/31/2021.

1 Significant Commodity Price Leverage

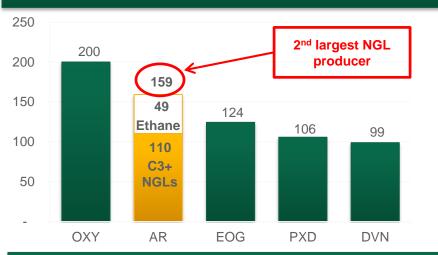


As one of the largest natural gas and NGL producers in the U.S., Antero has significant cash flow upside in a rising commodity price environment

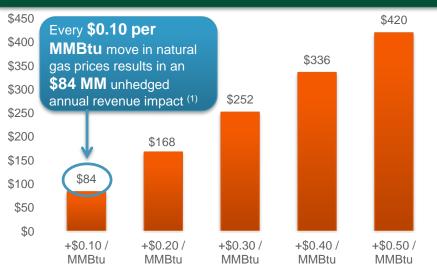
Top 5 U.S. Natural Gas Producers (MMcf/d)



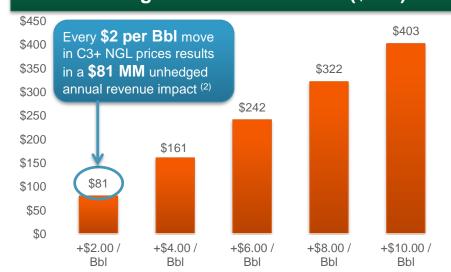
Top 5 U.S. NGL Producers (MBbls/d)



AR Leverage to Natural Gas Prices (\$MM) (1)



AR Leverage to C3+ NGL Prices (\$MM) (2)



Note: Natural gas and NGL producer rankings reflect company 1Q21 reports and public filings.

Assumes 1Q 2021 C3+ NGL production of 110 MBbl/d.

Assumes 1Q 2021 natural gas production of 2.3 Bcf/d. Note: 2.2 Bcf/d of AR natural gas volumes are hedged through 2021 at a weighted average of \$2.77/MMBtu.

1 Best Exposure to Rising Commodity Prices



Antero's differentiated business model provides the cleanest upside to increasing commodity prices



Liquids Pricing Upside

Flow **Assurance**









Peer 1







Peer 2







Peer 3





Peer 4





Peer 5



AR's FT portfolio fixes basis and avoids shutting in volumes due to local basis blow out

AR's FT portfolio consistently aligns cash flow with Nymex pricing

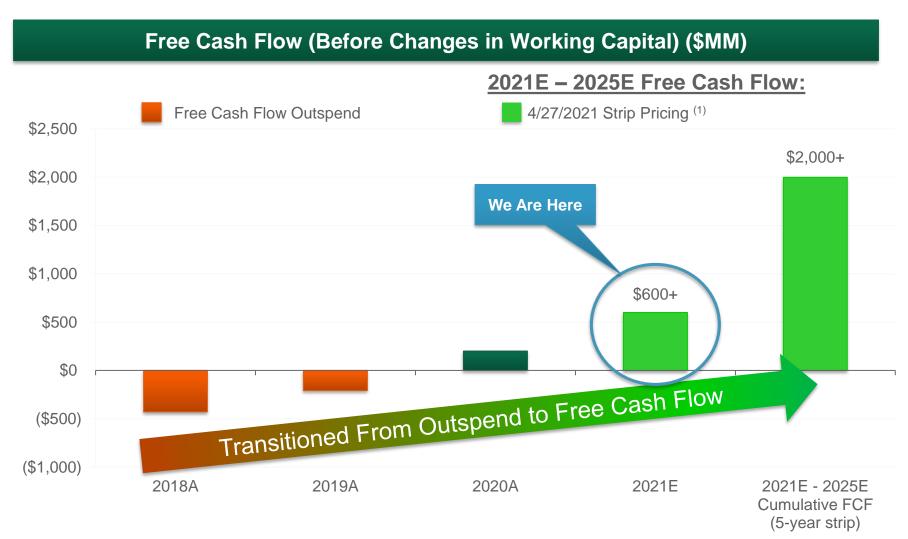
~40% of Antero's revenue is derived from liquids -Primarily C3+NGLs and Oil (not ethane)

Note: Peers include CNX, COG, EQT, RRC and SWN.

2 Enhanced Free Cash Flow Profile



Antero expects to generate over \$2.0 B of Free Cash Flow through 2025 pro forma for the Drilling Partnership and 5-year backwardated strip pricing



Note: Free Cash Flow, which is shown before changes in working capital, is a Non-GAAP metric. Excludes \$51 MM contingent payment expected to be received in 2Q 2021 contingent on volume thresholds. Please see appendix for additional disclosures, definitions, and assumptions.

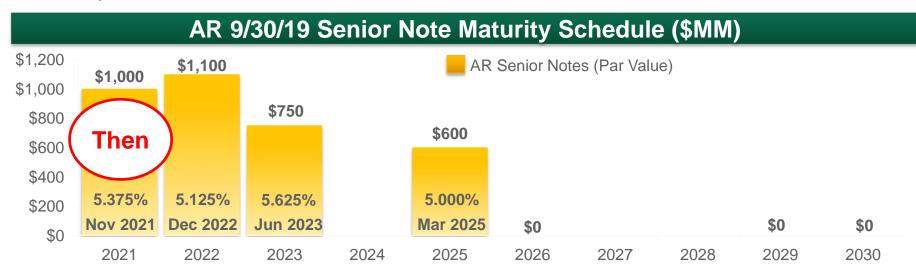
Assumes strip pricing as of 4/27/2021. 2021 strip pricing reflects NYMEX natural gas average price of \$2.90/MMBtu, WTI oil price of \$61/Bbl and Mont Belvieu C3+ NGL pricing of ~\$37/Bbl . 2022 – 2025 strip pricing reflects NYMEX natural gas average price of \$2.62/MMBtu, WTI oil price of \$55/Bbl and Mont Belvieu C3+ NGL pricing of ~\$33/Bbl.

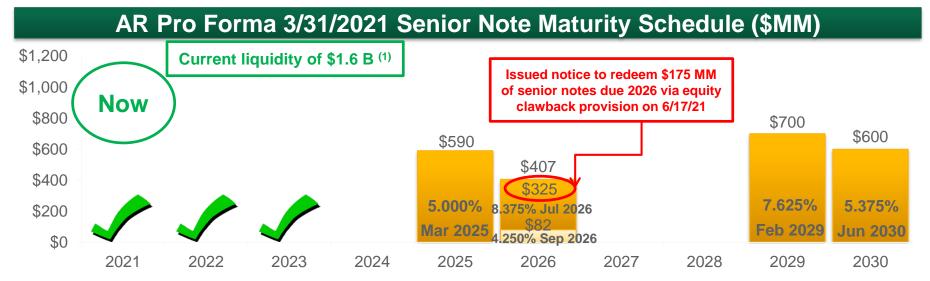
Much Improved Senior Note Term Structure



Unsecured Debt Maturity Summary

 Antero has now eliminated or termed out \$2.85 B of bond maturities in 2021-2023, with the next maturity not until March 2025





¹⁾ Liquidity represents borrowing availability under AR's credit facility based on \$2.64 B of lender commitments, \$742 MM of letters of credit and \$340 MM of borrowings as of 3/31/2021, pro forma for redemption of \$175 MM of senior notes due 2026 at 1.08375% via equity clawback provision, resulting in ~\$190 MM onto credit facility

2 Continued Operational Momentum



2021 Capital Guidance of \$590 MM (net to Antero)

- Announced 2021 drilling and completion guidance of \$590 MM in 2021, a 20% decrease from 2020 spending
- ~\$600+ MM of estimated 2021 Free Cash Flow (1)

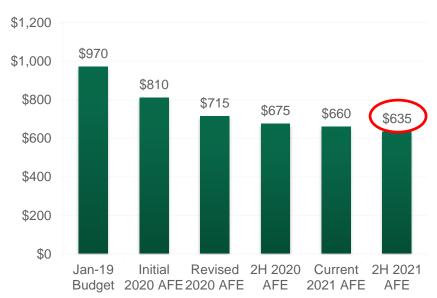
Reduced Cost Structure

- 22% well cost reduction from initial 2020 AFE budget to \$635/lateral foot expected in 2H 2021 (2)
- >80% of well cost reductions were driven by <u>sustainable</u> process changes and cycle time efficiencies

D&C Capital Spending (\$MM)



Marcellus Well Cost (\$/Lateral Foot) (2)



¹⁾ Free Cash Flow, which is shown before changes in working capital, is a non-GAAP measure. Excludes \$51 MM contingent payment expected to be received in 2Q 2021 contingent on achieving certain volume thresholds relating to the ORRI transaction. Please see appendix for additional disclosures, definitions, and assumptions.

Well costs include ~\$1 MM or ~\$80/ft for facilities, pads and road costs per well assuming a 13,000' lateral.

Drilling and completion capital is net to AR with recently announced Drilling Partnership and assumes 80% working interest. 2021 well completions based on midpoint of 65 to 70 wells.

2 Peer Leading Premium Core Drilling Inventory

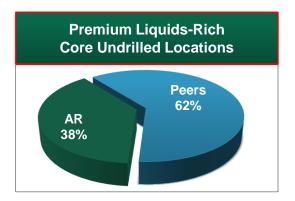


Antero's technical and management teams have performed an extensive update on acreage positions, undrilled locations, well performance and EURs across the basin

Led to division of the SW Marcellus and Ohio Utica into Premium Core and Tier 2 Core acres

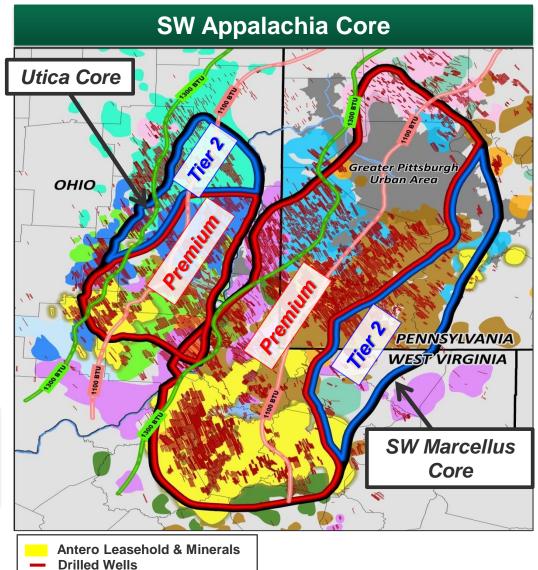
Premium Core Marcellus Inventory:

- ~5,200 undeveloped locations
- AR holds ~1,865 locations, or 36% Premium Core Utica Inventory:
- ~1,100 undeveloped locations
- AR holds ~210 locations, or 19%



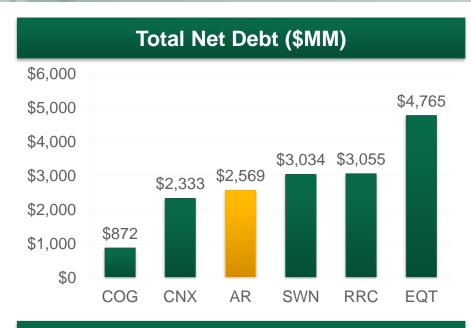
Tier 2 Core Marcellus Inventory:

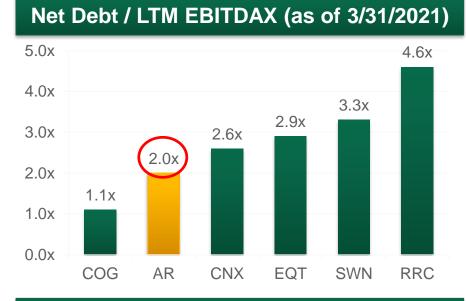
- ~1,600 undeveloped locations
- AR holds ~150 locations, or 9%



Well Positioned Financially vs Appalachian Peers











Source: Company reports and filings.

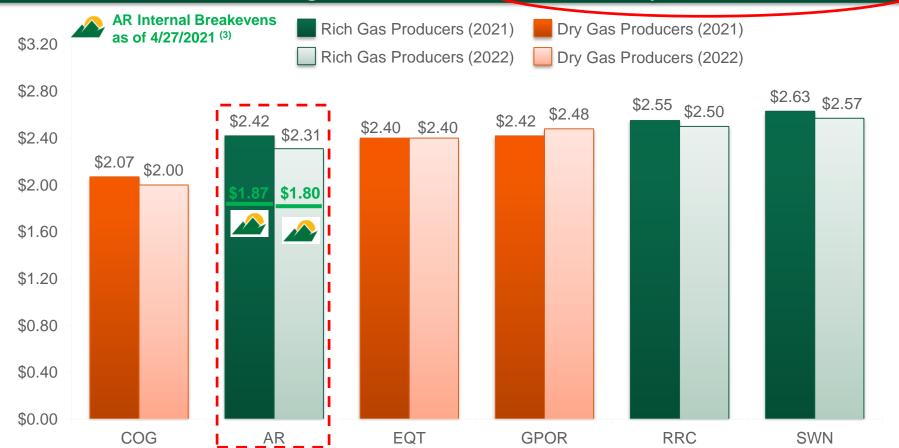
Note: Balance sheet data, 1Q 2021 Adjusted EBITDAX and Free Cash Flow as of 3/31/21. 1) Free Cash Flow represents Cash Flow From Operations less Cash Flow from Investing Activities.

Attractive Breakeven Well Economics



- Antero has some of the lowest natural gas breakeven prices in Appalachia as highlighted in a recent JP Morgan research report
 - Breakeven gas prices for rich gas producers like AR are actually lower today due to higher liquids prices than assumed by IP Morgan (2)
 - AR's internally calculated breakeven natural gas prices for its 2021 and 2022 development program is \$1.87/MMBtu and \$1.80/MMBtu, respectively (3)

2021-2022 Natural Gas Unhedged Breakevens - 15% ROR Full Cycle Breakeven Prices (1)(2)



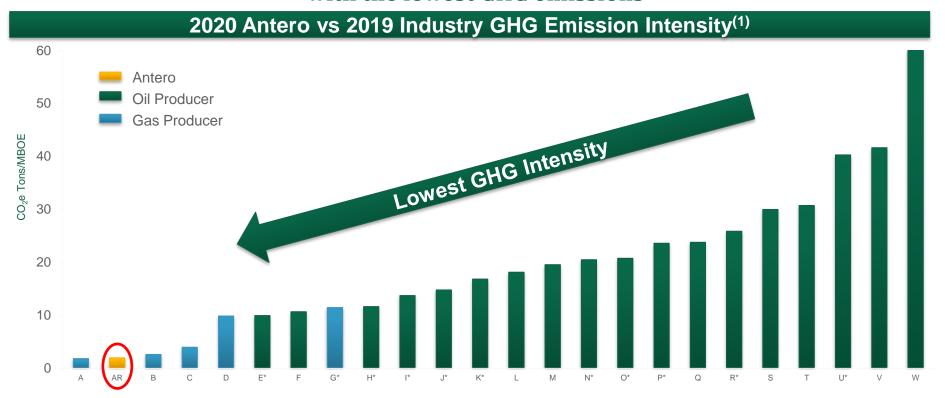
Breakeven analysis source: J.P. Morgan Equity Research estimates in December 8, 2020 report.

- Breakeven price is defined as full cycle pre-tax ROR of 15%.
- JPM breakevens assume average WTI price of \$45.22/Bbl and \$44.63/Bbl in 2021 and 2022, respectively. JPM assumed Antero C3+ NGL price of \$26.67/Bbl and \$24.78/Bbl in 2021 and 2022, respectively.

4 Natural Gas Producers Have the Lowest Emissions



Natural gas producers are best positioned relative to oil producers with the lowest GHG emissions



2025 GOALS

CONTINUED ENVIRONMENTAL IMPROVEMENT



50% Reduction in already low methane leak loss rate to under 0.025% by 2025



Endeavor to Achieve Net Zero

Carbon Emissions by 2025



10% Reduction in GHG Intensity by 2025



Align with TCFD and SASB Guidelines

WHY LOW EMISSIONS MATTER

- Lower Cost of Capital
 - Lenders pushing for net zero targets
- **Access to Customers & End Markets**
 - · More end users valuing low emissions natural gas

*Company's GHG intensity includes their midstream and/or downstream operations. Peers include APA, BP, CNX, COP, CVX, DVN, ENI, EOG, EQNR, EQT, EQT+ ETRN, FANG, HES, MPC, MRO, NBL, OVV, RDS, REPYY, RRC, SWN and XEC.

Data retrieved from 2018 and 2019 sustainability reports or calculated from 2019 sustainability and public disclosures. Antero Resources' intensity is based on the total GHG emissions reported to the EPA under Subpart W of the Greenhouse Gas Reporting Rule Program (GHGRP).

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AR Business Strategy



Antero Resources Principles

Priorities



Balance capital spending within cash flow

Maintain liquidity & strengthen balance sheet with medium term leverage target below 2-times

Develop highest rate of return locations across asset portfolio

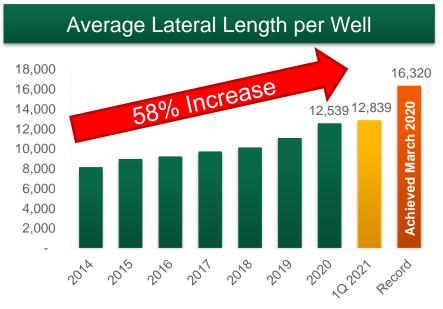
Use hedges and firm transport to protect cash flow and balance sheet

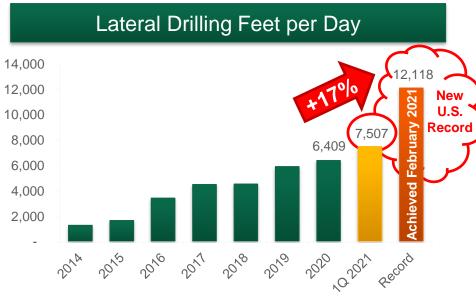


Tied to management & employee compensation plan metrics

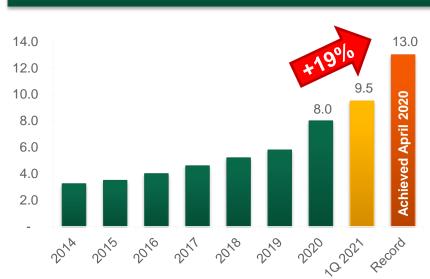
Drilling & Completion Efficiencies



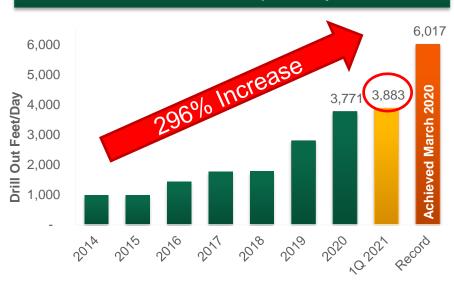




Completion Stages per Day

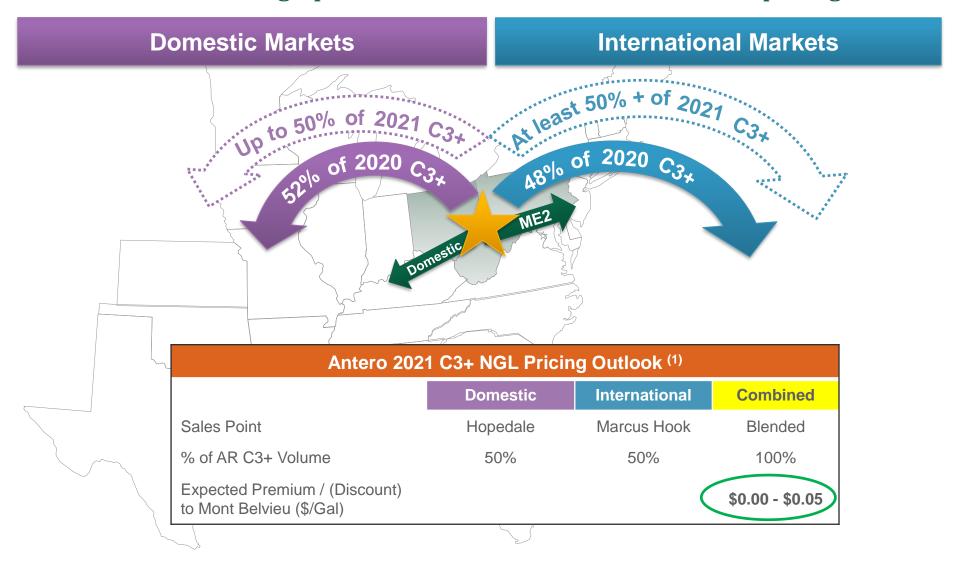


Drill Out Feet per Day





Diversified exposure to both international and domestic markets results in Antero realizing a premium to Mont Belvieu on its C3+ NGL pricing

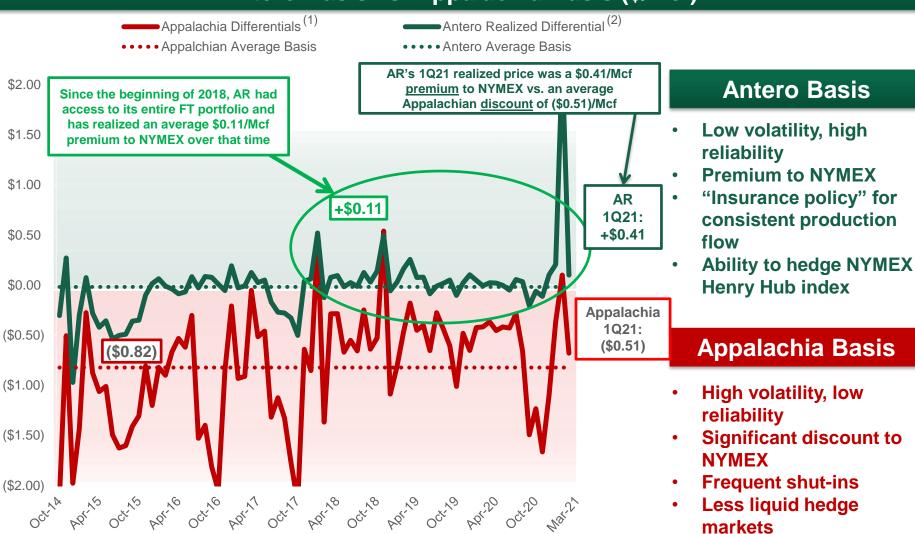


FT Protects Basis and Provides Flow Assurance



AR's firm transportation portfolio provides price stability, production flow assurance, and premium pricing vs. Appalachia-dependent producers





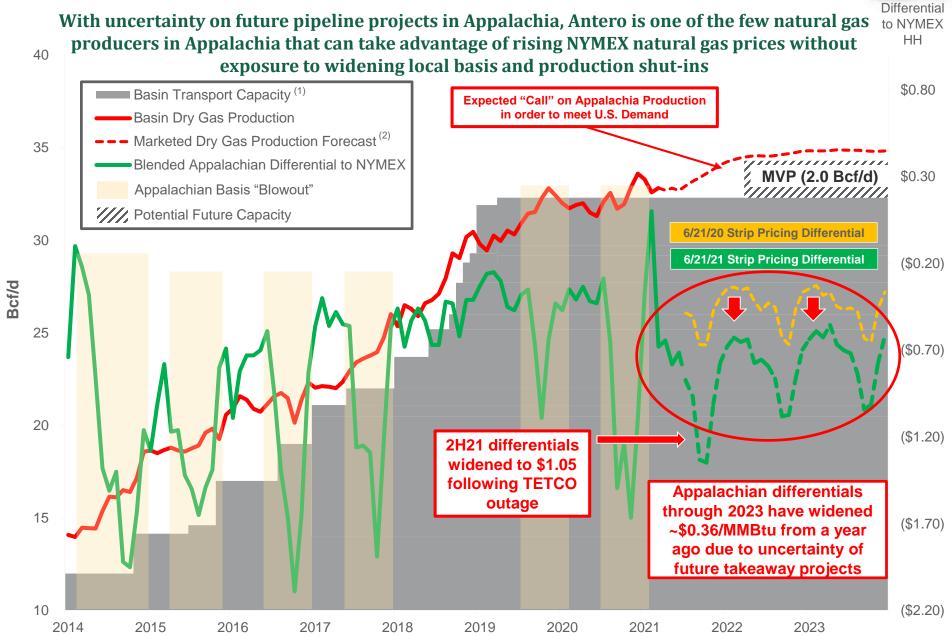
Note: Pricing reflects pre-hedge pricing.

Reflects discount to NYMEX for Appalachia in-basin pricing at Dominion South & TETCO M2 indices.

Represents simple average discount to NYMEX for Antero firm transportation capacity. Includes BTU adjustment for 1100 BTU gas.

Appalachian Takeaway Capacity is a Strategic Advantage





Source: S&P Global Platts. In-basin differentials represent an average of TETCO M2 and DOM S differentials to NYMEX Henry Hub. Actuals through March 2021 and 6/21/2021 strip pricing thereafter.

¹⁾ Basin capacity based on pipeline flow data scrapes.

⁾ Production forecast and Mountain Valley Pipeline (MVP) In-Service date (1Q 2022) based on Platt's estimates.

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Strong Natural Gas and NGL Price Momentum



Natural gas and NGL prices have strengthened as global demand continues to increase while supply flattens

Propane storage levels near five year lows provide a bullish set up for winter 2021/2022

U.S. Natural Gas

Supply

- The U.S. is forecast to be undersupplied natural gas for the second consecutive year in 2021 driven by moderated drilling activity in shale oil basins
- Flat production from gas producers who are focused on capital discipline
- Natural gas directed rig counts are ~50% below the peak in 2019, moderating the supply growth outlook

<u>Demand</u>

- LNG feedgas demand has increased to over 11 Bcf/d
- European natural gas storage is nearing historic lows for this time of year putting upward pressure on LNG pricing
- Mexican exports remain elevated at over 6 Bcf/d
- Resilient U.S. demand from higher res/com and power sectors

Outlook for Natural Gas

Bullish - \$3.00/MMBtu+ strip for 2021 with rising 2022 prices due to growing demand and flat supply

U.S. NGLs

Supply

- U.S. NGL production growth is projected to be flat in 2021, driven by moderated drilling activity in shale oil basins
- Lower global refinery utilization results in a decline in NGL supply as a byproduct of refining
- Record setting LPG exports led to propane inventories of just 26 days of supply, 25% below the 5-year average

Demand

- Resilient domestic and international demand from petrochem and residential/commercial sectors
- Rising living standards in developing countries, particularly in Asia, create an inelastic demand pull

Outlook for NGLs

- Excess U.S. export capacity incentivizes selling NGL barrels into premium priced international markets, resulting in an undersupplied U.S. market
- Bullish Resilient demand and declining supply has already driven C3+ pricing from \$21/Bbl in 2020 to over \$43/Bbl today

Sources: June EIA Short Term Energy Outlook, S&P Global Platts estimates and J.P. Morgan Commodities Strategy Team Research. LPG is comprised of NGL components propane and butane.

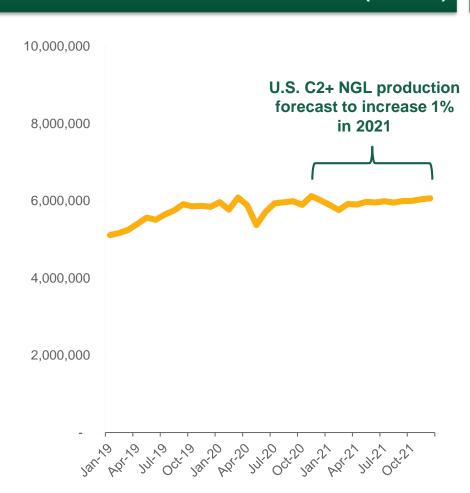
U.S. NGL Production vs. LPG Export

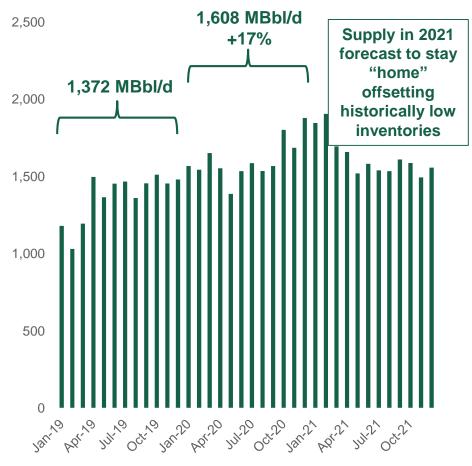


- Reduced drilling & completion activity in the U.S. has flattened NGL supply growth, while LPG exports increased 17% in 2020
- Supply in 2H 2021 forecast to stay "home" offsetting historically low domestic inventories

U.S. C2+ NGL Production Forecast (MBbl/d)

US Waterborne LPG Exports (MBbl/d)





Source: Platts Analytics data as of 5/24/2021.

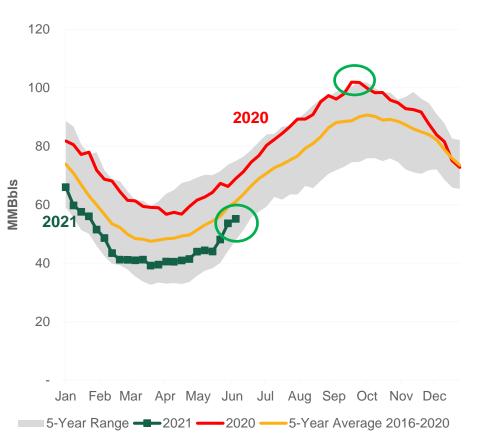
Propane Market Fundamentals

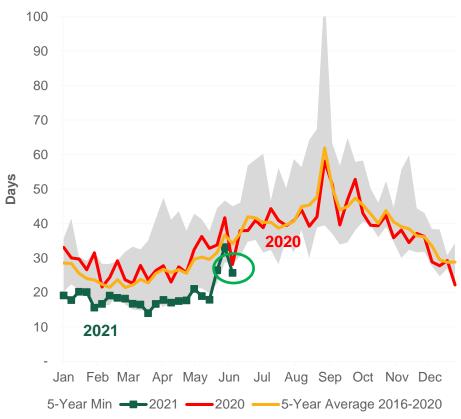


A record setting level of withdrawals via LPG exports has led to low propane inventories in the U.S. and only ~26 days of supply, 25% below the 5-year average

U.S. Propane Inventories (MMBbls)

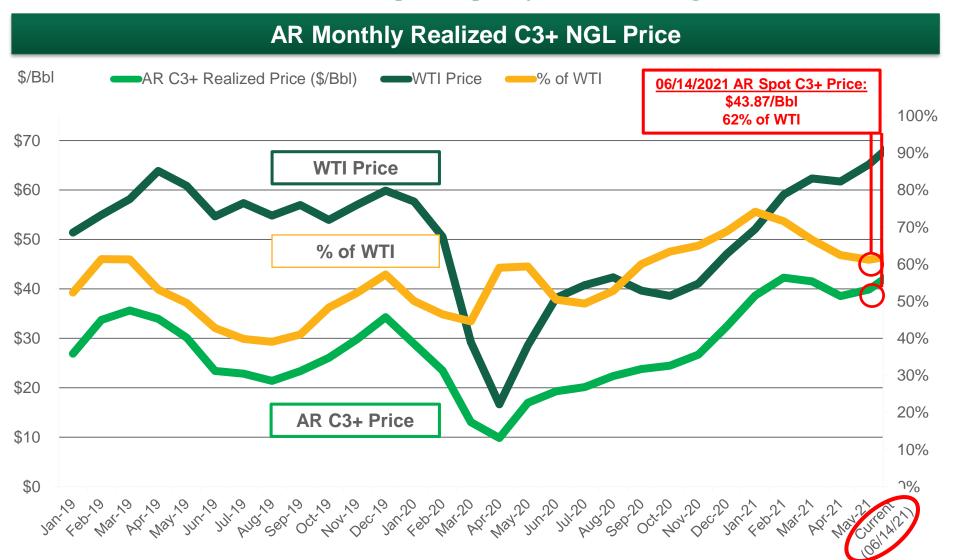
Propane Days of Supply (Days)







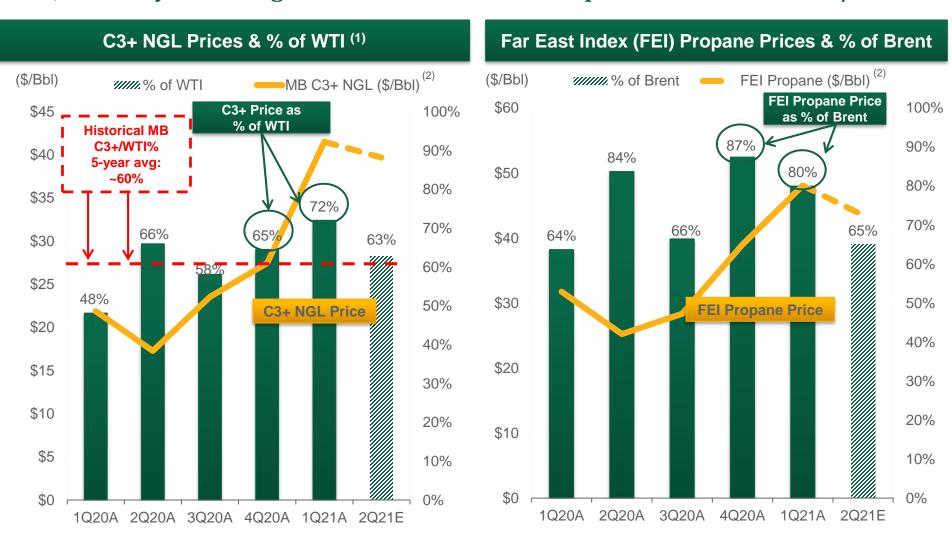
NGL prices remain elevated on an absolute basis and relative to WTI due to sufficient export capacity and resilient global demand



Strong NGL Price Recovery



Domestic and international LPG prices have improved on a relative basis to crude oil, driven by resilient global demand for LPG from petrochemicals and res/comm



Source: ICEdata Mont Belvieu, Far East Index, WTI and Brent strip pricing as of 6/11/2021.

Based on Antero C3+ NGL component barrel consists of 56% C3 (propane), 10% isobutane (Ic4), 17% normal butane (Nc4) and 17% natural gasoline (C5+).

Forecasted C3+ NGLs represent ICEdata Mont Belvieu strip pricing as of 6/11/2021. Forecasted FEI propane represents ICEdata Far East Index propane strip pricing as of 6/11/2021.

Key Investment Highlights



Antero is well positioned for both the commodity price outlook and energy transition as a large scale, low cost natural gas and NGL producer with strong ESG metrics

Scale /
Operating
Leverage

4th Largest natural gas producer and 2nd largest NGL producer in the U.S. with exposure to strengthening commodity prices

Low Leverage

Leverage expected to drop below 2.0x in 2021, with target of total debt below \$2.0 B over the next couple of years (1)

Robust Liquidity

~\$1.6 B of current liquidity (2)

Strong Free Cash Flow

\$600 MM+ of forecast Free Cash Flow in 2021 and over \$2.0 B+ forecast for 2021 to 2025 at current strip pricing (1)

Leading ESG Performance

Goal to reach net zero carbon emissions by 2025 Leading GHG intensity, methane intensity and leak loss rate

Assumes strip pricing as of 4/27/2021. Please see appendix for additional disclosures, definitions, and assumptions.

²⁾ Liquidity represents borrowing availability under AR's credit facility based on \$2.64 B of lender commitments, \$742 MM of letters of credit and \$340 MM of borrowings as of 3/31/2021, pro forma for redemption of \$175 MM of senior notes due 2026 at 1.08375% via equity clawback provision, resulting in ~\$190 MM onto credit facility.

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- > Antero Midstream Overview



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>>>

Antero Midstream Corporation at a Glance





Denver, CO

HEADQUARTERS



S&P 400

CONSTITUENT



\$8.0 Bn

ENTERPRISE VALUE (1)



14% ROIC

AVERAGE FROM 2015-2020



3.2 Bcf/d

COMPRESSION CAPACITY (2)
90% UTILIZATION RATE IN 2020



468 Miles

OF PIPELINES (2)



1.4 Bcf/d

JV PROCESSING CAPACITY (2)
99% UTILIZATION RATE IN 2020

Antero Midstream Asset Map Utica Shale BELMONT NOBLE OH MONONGALIA Marcellus Shale MARION WASHINGTON TAYLOR Sherwood and Smithburg **Processing Facilities** Water Withdrawals BARBOUR AM Compressor Station AM Gathering Pipelines Water Pipelines Adjusted EBITDA Mix (2021)(3) Fresh Water **Delivery &** ~15% Wastewater Gathering. Handling Compression **Fixed Fee** and 100% **Processing**

~85%

Enterprise value as of 6/17/20. Pro forma for \$750 MM May 2021 senior notes issuance and redemption of senior notes due 2024 at a price of 102.688%.

Pipeline mileage and 50/50 MPLX JV processing capacity as of 12/31/2020.

Adjusted EBITDA and ROIC are Non-GAAP financial measures. Please see appendix for more information.

Antero Midstream Outlook Summary



AR Maintenance Capital Program

AR + Drilling Partnership

% Change

> 0% to 1%

Annual Adjusted EBITDA Growth through 2025

> 1% to 4%

+3%

> \$875 - \$975

Organic Project Backlog through 2025 (\$MM)

\$1,050 - \$1,150



> \$250 - \$300

Cumulative Free Cash Flow After Dividends (\$MM)

> \$450 - \$500



> 14% - 16%

2021-2025
Return on Invested
Capital Target (ROIC)

> 15% - 17%



> 3.1x - 3.5x

Leverage Target by Year-end 2025

> 2.6x - 3.0x



Uniquely Positioned Midstream Entity



AM's is a unique self-funding midstream C-Corp with long-term growth, Free Cash Flow after dividends, declining leverage and a strong balance sheet

C-Corp Structure



- C-Corp structure with proxy shareholder voting
- Board with a majority of independent directors

Volume & Adjusted EBITDA Growth



 Highly visible low single digit annual throughput and Adjusted EBITDA growth through 2025

Free Cash Flow After Dividends



- Internally funded organic growth projects & dividends
- Targeting ~\$500 MM of cumulative Free Cash Flow after dividends through 2025

Strong Balance Sheet



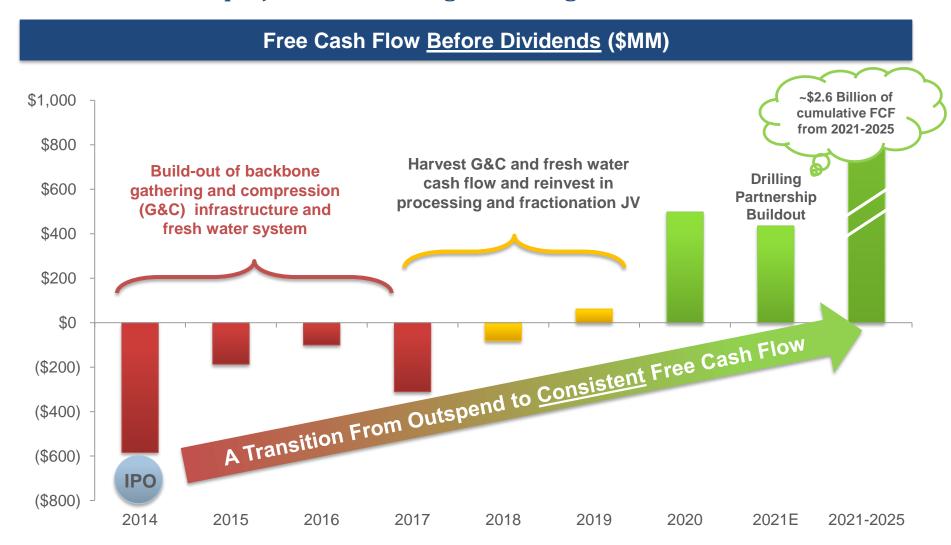
 Declining total debt and leverage, targeting 3-times leverage by YE 2025



Generating Significant Free Cash Flow



AM's legacy midstream infrastructure and flexible capital budget with no long lead-time projects allows it to generate significant free cash flow



Antero Midstream Investment Thesis







Well positioned natural gas and NGL producer with scale and sustainable business model





100% fixed fee business with no direct commodity price exposure





Peer leading leverage profile of 3.7x declining to ≤3.0x by 2025





>90% asset utilization drives Consistent mid-teens ROIC





Flexible just-in-time capital investment generates significant Free Cash Flow





Self-funding business model does not require external financing

Corporate Presentation



- > Executive Summary
- Drilling Partnership Formed
- Natural Gas & NGL Macro
- > Antero Midstream Overview
- > Appendix



Antero Guidance and Long-Term Target Assumptions



Long-term Outlook Assumptions (Consistent in both Base Plan and Drilling Partnership plans)	2021	2021-2025
NYMEX Henry Hub Natural Gas Price (\$/MMBtu) (1)	\$2.90	\$2.67
NYMEX WTI Oil Price (\$/Bbl) (1)	\$61.16	\$56.37
AR Weighted C3+ NGL Price (\$/Bbl) (1)	\$36.94	\$33.95
Marcellus Well Costs (\$MM / 1,000' assuming 12,000 ft lateral)	\$660 / 1,000'	\$635 / 1,000'
AR ownership in AM (shares) and annual AM dividend per share (2)	139 MM shares (\$0.90/share annual dividend)	

Base Plan (Maintenance Capital) Assumptions:	2021	2021-2025
Annual Net Production (MMcfe/d)	3,300 – 3,400	
Wells Drilled	65 - 70	250
Wells Completed	60 - 65	255
Cash Production & Net Marketing Expense (\$/Mcfe) (3)	\$2.30 - \$2.35	\$2.18 - \$2.23 ⁽⁴⁾
G&A Expense (before equity-based compensation) (\$/Mcfe)	\$0.08 - \$0.10	

Drilling Partnership Assumptions:	2021	2021-2025
Annual Production Net to AR (MMcfe/d)	3,300 – 3,400	
Wells Drilled (Gross)	80 - 85	310
Wells Completed (Gross)	65 - 70	315
Cash Production & Net Marketing Expense (\$/Mcfe)(3)	\$2.28 - \$2.33	\$2.10 - \$2.15 ⁽⁴⁾
G&A Expense (before equity-based compensation) (\$/Mcfe)	\$0.08 - \$0.10	

¹⁾ Represents Mont Belvieu strip pricing as of 4/27/2021 assuming C3+ NGL component barrel consists of 56% C3 (propane), 10% isobutane (Ic4), 17% normal butane (Nc4) and 17% natural gasoline (C5+).

AM dividend determined quarterly by the Board of Directors of Antero Midstream.
 Includes lease operating expense, gathering, compression, processing, transportation, production & ad valorem taxes and net marketing expense. Excludes cash G&A.

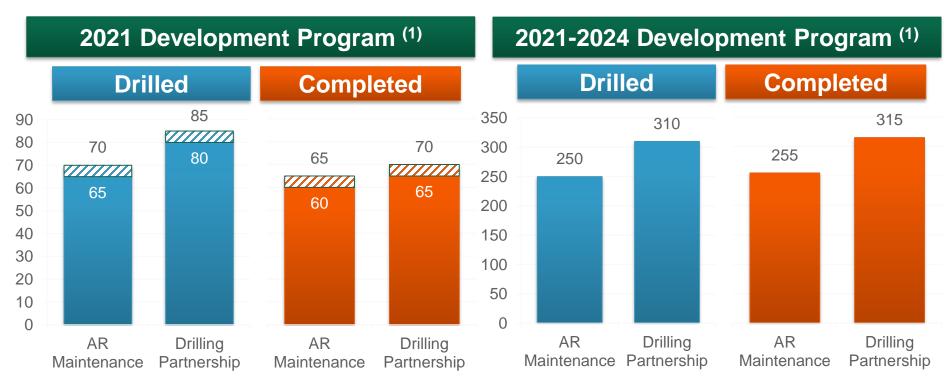
Represents average cash production and net marketing expense for 2022 – 2025.

AR Drilling Partnership Announcement (2/17/2021)



Announced Drilling Partnership With QL Capital Partners ("QL"), an Affiliate of Quantum Energy Partners

- Entered into Drilling Partnership to fund drilling of 60 incremental wells between 2021 and 2024, enabling Antero to fill unutilized firm transportation and achieve LP incentive fee rebates from Antero Midstream
- QL will fund 20% of total development capital spending in 2021 and between 15% to 20% of development capital on an annual basis from 2022 through 2024, \$500 MM to \$550 MM of capital to QL, in exchange for a proportionate working interest percentage in each well spud
- QL will pay a drilling carry to Antero if certain return thresholds are achieved
- Antero's net capital spending, wells drilled and completed and net production will remain unchanged from maintenance capital level from 2021 – 2025 in the new development plan

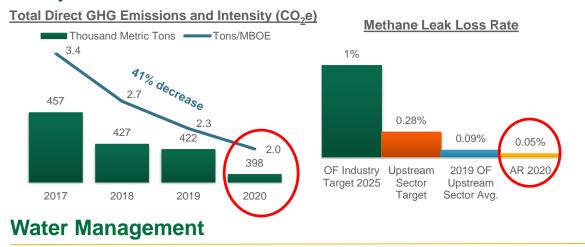


Leading Sustainability and ESG Metrics

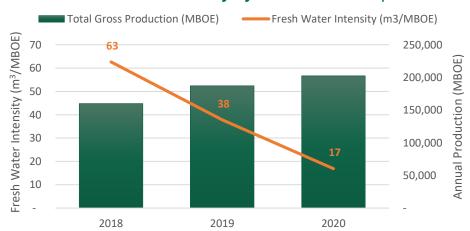


GHG Emissions

 Antero has zero flaring of produced gas, one of the lowest GHG intensity metrics in the industry (upstream independents and majors) and a very low methane leak loss rate:



- Fresh water pipeline network eliminated 471,000 water truck trips in 2020
- AR recycled and reused 83% of flowback and produced water in 2020
- AR reduced freshwater intensity by 74% in 2020 compared to 2018



Social

- ~33% of Independent Directors are Female
- 22% of SVPs, VPs and Directors including Head of Operations, Head of Geology, Chief Accounting Officer and General Counsel are Female
- **3,200 Employee** Hours Volunteered to the community in 2019
- Human, Labor, and Indigenous Rights policy follows ILO Convention

Safety

- Lost Time Incident Rate in 2020 outperformed the industry benchmark by 91%
- Total Recordable Incident Rate in 2020 outperformed the industry benchmark by 55%

Governance

- Both AR and AM are C-corps and have a majority of independent directors
- Management compensation is tied to Free Cash Flow (AR), ROIC (AM) and safety and environmental performance metrics
- Recognized by Newsweek as one of America's Most Responsible Companies in 2021

Natural Gas and NGLs Are Essential



Antero plays a critical role in producing reliable energy for consumers





Largest U.S. Natural Gas Producer





Natural Gas

Natural gas is a low-cost, low-emission hydrocarbon based fuel that can reduce GHG emissions by more than half, as compared to coal

Natural Gas Liquids (NGLs)

NGLs play an essential role in the domestic and international industrial, residential, commercial and transportation industries



Electricity Generation



Transportation



Heating & Cooking



Recyclable food packaging



Industrial & Manufacturing



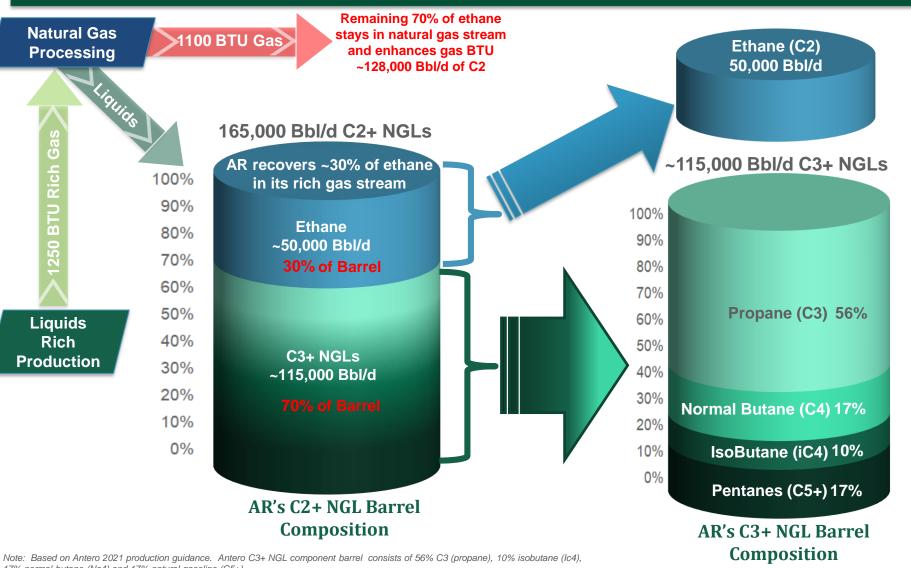
Health Care Products & Protective Equipment

Focus on Liquids Rich Drilling



Antero currently recovers only 30% of the ethane in its rich gas stream while rejecting 70% of the ethane, sending it to pipeline sales in the natural gas stream

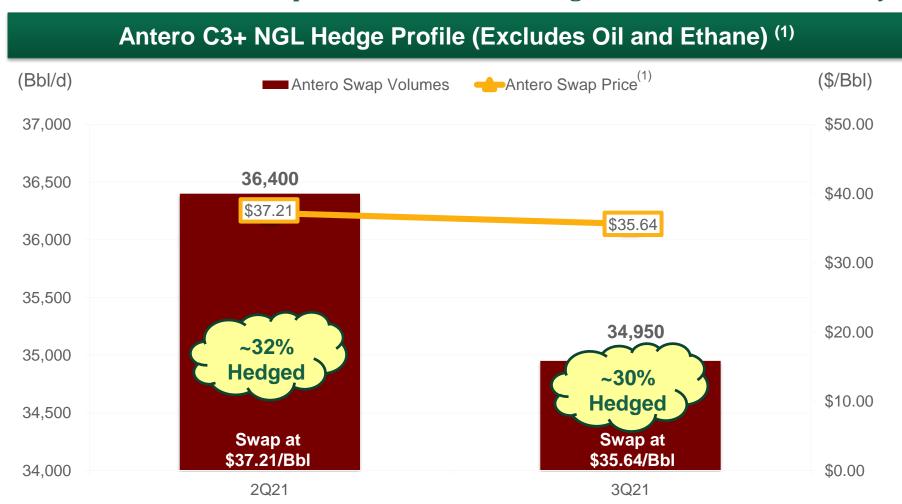
Antero NGL Barrel Composition (2021 Guidance)



Natural Gas Liquids Hedging Update



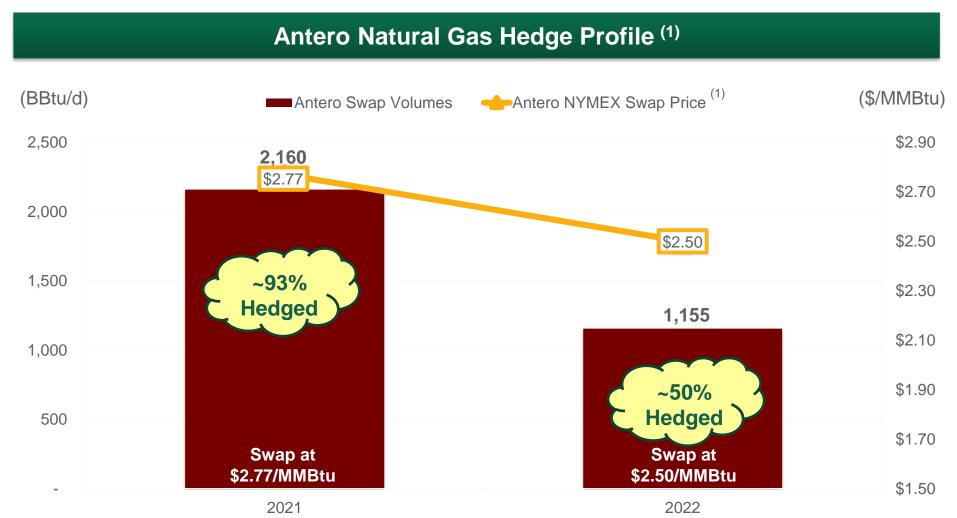
Antero has added C3+ NGL hedges for the summer of 2021 to protect against seasonal weakness and potential near-term changes in the COVID-19 recovery



Natural Gas Price Exposure Mitigated Through 2022



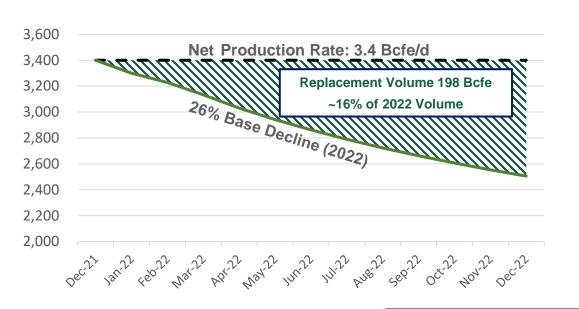
Antero is very well hedged on its forecast natural gas production through 2022



Note: Percentage hedged represents percent of expected natural gas production hedged based on natural gas production guidance of 2.325 Bcf/d in 2021 and flat production net to AR in 2022. Please see appendix for additional disclosures, definitions, and assumptions.

Balance Capex with Cash Flow – Low Maintenance Capital





Antero Average Development Well				
Avg. Lateral Length per Well	13,000'			
Bcfe/1,000'	2.70			
Wellhead Gas BTU	1265			
Well Cost (\$660/ft)	\$8.6 MM			
Net F&D Cost	\$0.288 Mcfe			
C2 Recovery (1)	40%			
Well Spacing	830'			
First Year Recovery Volumes				
Gross (Bcfe)	6.05			
Net (Bcfe)	5.14			

Maintenance Capital Calculation

- The average AR rich Marcellus well produces 3.16 Bcfe net in the calendar year when brought online mid-year
- Assume new wells average ½ year of production

Production can be held flat with \sim 63 wells $198 Bcfe \div 3.16 Bcfe per well$ = 63 wells

Maintenance D&C Capital 63 wells \$8.6 MM per well =

\$542 MM

Field and Operating Capital

- Roads
- Working interest optimization
- Pad construction costs

Maintenance Field Capital:

~\$14 MM



Antero Non-GAAP Measures



Adjusted EBITDAX: Adjusted EBITDAX as defined by the Company represents income or loss, including noncontrolling interests, before interest expense, interest income, gains or losses from commodity derivatives and marketing derivatives, but including net cash receipts or payments on derivative instruments included in derivative gains or losses other than proceeds from derivative monetizations, income taxes, impairment, depletion, depreciation, amortization, and accretion, exploration expense, equity-based compensation, contract termination and rig stacking costs, simplification transaction fees, and gain or loss on sale of assets. Adjusted EBITDAX also includes distributions received with respect to limited partner interests in Antero Midstream Partners common units prior to the closing of the simplification transaction on March 12, 2019.

The GAAP financial measure nearest to Adjusted EBITDAX is net income or loss including noncontrolling interest that will be reported in Antero's condensed consolidated financial statements. While there are limitations associated with the use of Adjusted EBITDAX described below, management believes that this measure is useful to an investor in evaluating the Company's financial performance because it:

- is widely used by investors in the oil and natural gas industry to measure operating performance without regard to items excluded from the calculation of such term, which may vary substantially from company to company depending upon accounting methods and the book value of assets, capital structure, and the method by which assets were acquired, among other factors;
- helps investors to more meaningfully evaluate and compare the results of Antero's operations from period to period by removing the effect of its capital and legal structure from its consolidated operating structure; and
- is used by management for various purposes, including as a measure of Antero's operating performance, in presentations to the Company's board of directors, and as a basis for strategic planning and forecasting. Adjusted EBITDAX is also used by the board of directors as a performance measure in determining executive compensation.

There are significant limitations to using Adjusted EBITDAX as a measure of performance, including the inability to analyze the effects of certain recurring and non-recurring items that materially affect the Company's net income or loss, the lack of comparability of results of operations of different companies, and the different methods of calculating Adjusted EBITDAX reported by different companies. In addition, Adjusted EBITDAX provides no information regarding a company's capital structure, borrowings, interest costs, capital expenditures, and working capital movement or tax position.

Net Debt: Net Debt is calculated as total debt less cash and cash equivalents. Management uses Net Debt to evaluate its financial position, including its ability to service its debt obligations.

Leverage: Leverage is calculated as LTM Adjusted EBITDAX divided by net debt.

F&D Cost: Net F&D costs is a non-GAAP metric commonly used in the exploration and production industry by companies, investors and analysts in order to measure a company's ability of adding and developing reserves at a reasonable cost. Net F&D costs is a statistical indicator that has limitations, including its predictive and comparative value. This reserve metric may not be comparable to similarly titled measurements used by other companies. There are no directly comparable financial measures presented in accordance with GAAP for Net F&D costs, and therefore a reconciliation to GAAP is not practicable.

The calculation for Net F&D cost is based on future development costs required for the development of reserves, divided by total reserves.

Antero Non-GAAP Measures



Free Cash Flow:

Free Cash Flow is a measure of financial performance not calculated under GAAP and should not be considered in isolation or as a substitute for cash flow from operating, investing, or financing activities, as an indicator of cash flow, or as a measure of liquidity. The Company defines Free Cash Flow as Net Cash Provided by Operating Activities, less drilling and completion capital and leasehold capital plus earnout payments.

The Company has not provided projected Net Cash Provided by Operating Activities or a reconciliation of Free Cash Flow to projected Net Cash Provided by Operating Activities, the most comparable financial measure calculated in accordance with GAAP. The Company is unable to project Net Cash Provided by Operating Activities for any future period because this metric includes the impact of changes in operating assets and liabilities related to the timing of cash receipts and disbursements that may not relate to the period in which the operating activities occurred. The Company is unable to project these timing differences with any reasonable degree of accuracy without unreasonable efforts. See assumptions slides for more information regarding key assumptions.

Free Cash Flow is a useful indicator of the Company's ability to internally fund its activities and to service or incur additional debt. There are significant limitations to using Free Cash Flow as a measure of performance, including the inability to analyze the effect of certain recurring and non-recurring items that materially affect the Company's net income, the lack of comparability of results of operations of different companies and the different methods of calculating Free Cash Flow reported by different companies. Free Cash Flow does not represent funds available for discretionary use because those funds may be required for debt service, land acquisitions and lease renewals, other capital expenditures, working capital, income taxes, exploration expenses, and other commitments and obligations.

Antero Resources Adjusted EBITDAX Reconciliation



LTM Adjusted EBITDAX Reconciliation

	Twelve Months Ended March 31, 2021
Reconciliation of net loss to Adjusted EBITDAX:	
Net income loss and comprehensive income loss attributable to Antero Resources Corporation	\$ (944,544)
Net income and comprehensive income attributable to noncontrolling interests	11,881
Unrealized commodity derivative gains	1,262,996
Proceeds from derivative monetizations	(9,007)
Amortization of deferred revenue, VPP	(25,657)
Loss on sale of assets	348
Interest expense, net	189,513
Gain on early extinguishment of debt	123,765
Loss on convertible note equitization	(136,916)
Provision for income tax benefit	(290,485)
Depletion, depreciation, amortization, and accretion	859,324
Impairment of oil and gas properties	168,612
Exploration expense	1,092
Equity-based compensation expense	25,630
Equity in (earnings) loss of unconsolidated affiliates	(84,089)
Dividends from unconsolidated affiliates	171,022
Contract termination and rig stacking	14,381
Transaction expense	9,535
	1,347,401
Martica related adjustments (1)	(69,717)
Adjusted EBITDAX	\$ 1,277,684

Antero Resources Adjusted EBITDAX Reconciliation



	Three Months Ended,		
	1	2/31/2020	3/31/2021
Reconciliation of net loss to Adjusted EBITDAX:			
Net loss and comprehensive loss attributable to Antero Resources Corporation	\$	69,830	(15,499)
Net income and comprehensive income attributable to noncontrolling interests		25,483	4,395
Unrealized commodity derivative (gains) losses		(150,925)	183,078
Proceeds from derivative monetizations		9,066	
Amortization of deferred revenue, VPP		(9,332)	(11,150)
Loss on sale of assets		348	
Interest expense, net		46,916	42,743
Loss (gain) on early extinguishment of debt		(597)	43,204
Loss on convertible note equitization			39,046
Provision for income tax benefit		23,685	(2,946)
Depletion, depreciation, amortization, and accretion		209,831	194,814
Impairment of oil and gas properties		67,808	34,062
Exploration expense		188	219
Equity-based compensation expense		6,316	5,642
Equity in (earnings) loss of unconsolidated affiliate		(20,748)	(18,694)
Dividends from unconsolidated affiliates		42,755	42,756
Contract termination and rig stacking		1,973	91
Transaction expense		582	2,291
		323,179	544,052
Martica related adjustments		(23,983)	(24,562)
Adjusted EBITDAX	\$	299,196	519,490

Free Cash Flow Reconciliation



	Three Months
	Ended March 31,
	2021
Net cash provided by operating activities	563,731
Less: Net cash used in investing activities	(122,975)
Less: Distributions to non-controlling interests in Martica	(24,699)
Free Cash Flow	416,051
Changes in Working Capital (1)	96,777
Free Cash Flow before Changes in Working Capital	319,688

¹⁾ Working capital adjustments in 2021 include \$60.5 million in changes in current assets and liabilities and \$35.9 million in accounts payable and accrued liabilities for additions to property and equipment. See the cash flow statement in earnings press release for details.

Total Debt to Net Debt Reconciliation



Total Debt to Net Debt Reconciliation

	December	
	31,	March 31,
	2020	2021
AR bank credit facility	\$ 1,017,000	143,200
5.125% AR senior notes due 2022	660,516	
5.625% AR senior notes due 2023	574,182	574,182
5.000% AR senior notes due 2025	590,000	590,000
8.375% AR senior notes due 2026		500,000
7.625% AR senior notes due 2029		700,000
4.250% AR convertible senior notes due 2026	287,500	137,500
Net unamortized premium	(111,886)	(51,669)
Net unamortized debt issuance costs	(15,719)	(24,527)
Consolidated total debt	\$ 3,001,593	2,568,686
Less: AR cash and cash equivalents		
Net Debt	\$ 3,001,593	2,568,686





Non-GAAP Financial Measures and Definitions

Antero Midstream uses certain non-GAAP financial measures. Antero Midstream defines Adjusted Net Income as net income (loss) plus amortization of customer contracts, loss on asset sale and impairment expenses, net of tax effect of reconciling items. Antero Midstream uses Adjusted Net Income to assess the operating performance of its assets. Antero Midstream defines Adjusted EBITDA as net income (loss) before amortization of customer relationships, impairment expense, interest expense, provision for income tax expense (benefit), depreciation expense, accretion, loss on asset sale, equity-based compensation expense, excluding equity in earnings of unconsolidated affiliates and contract restructuring fees, and including cash distributions from unconsolidated affiliates.

Antero Midstream uses Adjusted EBITDA to assess:

- the financial performance of Antero Midstream's assets, without regard to financing methods, capital structure or historical cost basis;
- its operating performance and return on capital as compared to other publicly traded companies in the midstream energy sector, without regard to financing or capital structure; and
- the viability of acquisitions and other capital expenditure projects.

Antero Midstream defines Free Cash Flow as Adjusted EBITDA less interest paid, increase or decrease in cash reserved for bond interest and capital expenditures. Free Cash Flow is before dividend payments, share repurchases and changes in working capital. Antero Midstream uses Free Cash Flow as a performance metric to compare the cash generating performance of Antero Midstream from period to period.

Adjusted EBITDA, Adjusted Net Income, and Free Cash are non-GAAP financial measures. The GAAP measure most directly comparable to such measures is Net Income. Such non-GAAP financial measures should not be considered as alternatives to the GAAP measure of Net Income. The presentations of such measures are not made in accordance with GAAP and have important limitations as analytical tools because they include some, but not all, items that affect Net Income. You should not consider any or all such measures in isolation or as a substitute for analyses of results as reported under GAAP. Antero Midstream's definitions of such measures may not be comparable to similarly titled measures of other companies.

Antero Midstream defines Net Debt as consolidated total debt less cash and cash equivalents. Antero Midstream views Net Debt as an important indicator in evaluating Antero Midstream's financial leverage.

Antero Midstream defines Return on Invested Capital ("ROIC") as earnings before interest and taxes excluding amortization of customer relationships divided by average total liabilities and partners capital, excluding goodwill and intangible assets in order to derive an operating asset driven ROIC calculation.





Antero Midstream has not included a reconciliation of Adjusted EBITDA, Free Cash Flow, Net Debt or Return on Invested Capital to the nearest GAAP financial measure for 2021 because it cannot do so without unreasonable effort and any attempt to do so would be inherently imprecise. Antero Midstream is able to forecast the following 2021 reconciling items between such measures and Net Income:

\$ in Millions	Low		High
Depreciation Expense	\$110	_	\$115
Equity based compensation expense	10	_	15
Interest expense	170	_	180
Amortization of customer relationships	70	_	75
Distributions from unconsolidated affiliates	105	_	115

Antero Midstream has not included a reconciliation of Adjusted EBITDA, Net Debt, Free Cash Flow or Return on Invested Capital to the nearest GAAP financial measure for the cumulative period from 2021 through 2025 because it cannot do so without unreasonable effort and any attempt to do so would be inherently imprecise. Antero Midstream is able to forecast the following reconciling items between such measures and Net Income:

\$ in Millions	Low		High
Depreciation Expense	\$580	_	\$620
Equity based compensation expense	50	_	75
Interest expense	825	_	875
Amortization of customer relationships	350	_	375
Distributions from unconsolidated affiliates	550	_	600





The following table reconciles net income to Adjusted EBITDA and Free Cash Flow:

\$ in Millions	2014	2015	2016	2017	2018	2019	2020
Net Income (Loss)	\$127,875	\$159,105	\$236,703	\$307,315	\$312,894	(\$284,896)	(\$122,527)
Interest expense	\$6,183	\$8,158	\$21,893	\$37,557	\$83,794	\$130,518	\$147,007
Provision for income tax expense (benefit)	_	_	\$99,861	_	\$114,406	(\$79,060)	(\$55,688)
Amortization of customer relationships	_	_	_	_	\$71,082	\$70,617	\$70,672
Depreciation expense	\$53,029	\$86,670	\$16,489	\$119,562	\$12,853	\$120,363	\$108,790
Impairment expense	_	_	_	\$23,431	\$5,771	\$768,942	\$673,640
Accretion and change in fair value of contingent acquisition	_	\$3,333	\$26,049	\$13,476	\$135	\$10,254	\$180
Equity-based compensation	\$11,618	\$22,470	(\$485)	\$27,283	\$21,073	\$75,994	\$12,778
Equity in earnings of unconsolidated affiliates	_	_	\$7,702	(\$20,194)	(\$40,280)	(\$62,394)	(\$86,430)
Distributions from unconsolidated affiliates	_	_	(\$3,859)	\$20,195	\$46,415	\$76,925	\$98,858
Conflicts committee legal & advisory fees and other	_	_	_	_	(\$583)	\$2,278	\$2,929
Adjusted EBITDA	\$198,705	\$279,736	\$404,353	\$528,625	\$627,560	\$829,541	\$850,209
Interest paid	(\$331)	(\$5,149)	(\$13,494)	(\$46,666)	(\$62,844)	(\$89,824)	(\$140,732)
Decrease (increase) in cash reserved for bond interest	_	_	(\$10,481)	\$291	\$0	(\$31,457)	(\$4,267)
Capital Expenditures	(\$599,909)	(\$396,334)	(\$480,728)	(\$792,720)	(\$646,329)	(\$646,424)	(\$207,509)
Free Cash Flow	(\$583,561)	(\$186,478)	(\$100,350)	(\$310,470)	(\$81,613)	\$61,836	\$497,701

The following table reconciles consolidated total debt to consolidated net debt, excluding debt premiums and issuance costs, ("Net Debt") as used in this release:

\$ in Millions	December 31, 2020
Bank credit facility	\$613,500
5.375% senior notes due 2024	650,000
7.875% senior notes due 2026	550,000
5.75% senior notes due 2027	650,000
5.75% senior notes due 2028	650,000
Consolidated total debt	\$3,113,500
Cash and cash equivalents	(640)
Consolidated net debt	\$3,112,860





The following table reconciles net income to return on invested capital:

\$ in Millions	2014	2015	2016	2017	2018	2019	2020
Net income	\$127,900	\$159,100	\$236,700	\$310,700	\$312,894	(\$284,896)	(\$122,527)
Amortization of customer relationships	_	_	_	_	\$71,082	\$70,617	\$70,672
Impairment expense		_	_	_	\$5,771	\$768,942	\$673,640
Loss on Sale of Asset	_	_	_	_	_	_	\$2,689
Effective tax rate impact from cares act / other	_	_	_	_	_	_	(\$196,038)
Adjusted Net Income	\$127,900	\$159,100	\$236,700	\$310,700	\$389,747	\$554,663	\$428,436
Interest Expense	\$6,200	\$8,200	\$21,900	\$40,900	\$83,794	\$130,518	\$147,007
Taxes and Provision for Income Taxes	\$0	\$0	\$0	\$0	\$114,406	(\$79,060)	(\$55,688)
Impact from Cares Act NOLs							\$196,038
Adjusted Earnings Before Interest and Taxes	\$134,100	\$167,300	\$258,600	\$351,600	\$587,947	\$606,121	\$715,793
Invested Capital	\$1,737,000	\$1,881,000	\$2,268,000	\$2,747,000	\$4,733,673	\$4,376,953	\$4,187,639
Adjusted Earnings Before Interest and Taxes		\$167,300	\$258,600	\$351,600	\$587,947	\$606,121	\$715,793
Average Invested Capital		\$1,809,000	\$2,074,500	\$2,507,500	\$3,740,337	\$4,555,313	\$4,282,296
Return on Invested Capital		9%	12%	14%	16%	13%	17%