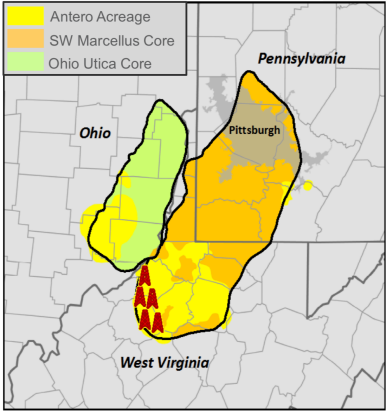


	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Oil & natural gas extraction data													
2														
3	Richard Heede <i>Climate Mitigation Services</i> File started: 13 June 2019 Last modified: June 2019						Copyright Climate Accountability Institute							
4														
5														
6														
7														
8														
9	Antero Resources Corp www.anteroresources.com Denver, USA										yellow column indicates original reported units		investor-owned	
10														
11	Production / Extraction data													
12	Year	Crude Oil & NGL			Natural Gas									
13		Net production	Net production	Net production	Net production	Net production	Net production							
14		Thousand bbl /d	Million bbl /yr	Million tonnes/yr	Million cf/d	Million SCM/d	Billion cf/yr							
15														
16														
17	1950													
18	1951													
19	1952													
20	1953													
21	1954													
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77	2010													
78	2011													
79	2012													
80	2013													
81	2014													
82	2015													
83	2016													
84	2017													
85	2018													
86														
87	Total	na	na	142	na	-	2,826	-	-	-	-	-	-	
88														

Antero was founded in 2002



Antero Presentation May 2019; loading C2 ethane onboard Aurora bound for Sweden, 10yr contract



Antero Company Presentation May 2019

(Exploration and Production segment)	Year Ended December 31,	
	2017	2018
Production data:		
Natural gas (Bcf)	591	710
C2 Ethane (MBbl)	10,539	14,221
C3+ NGLs (MBbl)	25,507	28,913
Oil (MBbl)	2,451	3,265
Combined (Bcfe)	822	989
Daily combined production (MMcfe/d)	2,253	2,709

Antero Resources 10-K for 2018, page 56.

Crude oil	NGL & ethane	Total liquids	Natural gas	Natural gas
Mb	Mb	Mb	Bcf	Bcf

Founded in 2002; no 10-Ks posted earlier than 2012. Nor listed in OGI 150

2011			na			na
2012	0.02	0.07	0	87		87
2013	0.23	2.12	2	177		177
2014	1.31	7.10	8	317		317
2015	2.08	15.56	18	439		439
2016	1.87	26.68	29	505		505
2017	2.45	36.05	38	591		591
2018	3.27	43.13	46	710		710

Cell: M11

Comment: Rick Heede:

On this worksheet we report extractive data for each company or state-owned enterprise. Three columns under crude oil and natural gas allow for data reported in one of three formats (e.g., thousand barrels per day, or million barrels per year, or million tonnes per year). Coal is normally reported in short tons or metric tonnes per year. The subtraction of the fraction typically sequestered in petrochemicals and other non-combusted uses such as road oils, waxes, lubricants, greases, etc. Non-fuel uses are accounted for in the emission factors and applied to each entity in the oil, gas, and coal summary worksheets.

Cell: F12

Comment: Rick Heede:

Total net worldwide crude oil plus natural gas liquids produced by each company or state-owned enterprise. Where data is available, we list net production (after royalty production is deducted). We rely on company annual reports, Form 10-k, or other company data where available. In some cases -- particularly for state-owned oil and gas companies -- we use production data from the Oil & Gas Journal in its OGJ150 and OGJ100. Crude production includes natural gas liquids (NGL) unless noted.

Cell: J12

Comment: Rick Heede:

Natural gas is typically reported as dry gas; natural gas liquids are reported under crude oil. Carbon dioxide is normally removed from the gas flow at the production site (see "Vented Carbon Dioxide"). "SCM/d" = standard cubic meters per day. "cf/d" = cubic feet per day. Net production typically excludes a number of diverted gas streams. Quantities and fractions vary; ExxonMobil's exclusions are typical of the industry: "Net production available for sale quantities are the volumes withdrawn from ... natural gas reserves, excluding royalties and volumes due to others when produced, and excluding gas purchased from others, gas consumed in producing operations, field processing plant losses, volumes used for gas lift, gas injections and cycling operations, quantities flared, and volume shrinkage due to the removal of condensate or natural gas liquids production." ExxonMobil Corporation (2004) 2003 Financial and Operating Review, www.exxonmobil.com, p. 55.

Cell: D80

Comment: Rick Heede:

Antero Resources SEC Form 10-K for 2014, page 48: production of Oil and NGLs for 2013 and 2014, in Mb.

Cell: H80

Comment: Rick Heede:

Antero Resources SEC Form 10-K for 2014, page 48: production of natural gas for 2013 and 2014, in Bcf.

Cell: D82

Comment: Rick Heede:

Antero Resources 10-K for 2016, page 55. Company reports annual production of crude oil and NGLs + C2 ethane. CAI combines the NGL and C2, in Mb per year.

Cell: D84

Comment: Rick Heede:

Antero Resources 10-K for 2018, page 56. Company reports annual production of crude oil and NGLs + C2 ethane. CAI combines the NGL and C2, in Mb per year.

Cell: H84

Comment: Rick Heede:

Antero Resources 10-K for 2018, page 56. Company reports annual production of natural gas, in Bcf.