

A B C D E F G H I J K L M N

Coal extraction data

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Climate Mitigation Services
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Alliance Resource Partners

yellow column indicates original reported units

www.arlp.com Tulsa, OK

Production / Extraction data

Year	Lignite		Hard Coal		Total Coal	
	Gross production	Gross production	Gross production	Gross production	Gross production	Gross production
	Million tons/yr	Million tonnes/yr	Million tons/yr	Million tonnes/yr	Million tons/yr	Million tonnes/yr

- 17 1950
- 18 1951
- 19 1952
- 20 1953
- 21 1954
- 22 1955
- 23 1956
- 24 1957
- 25 1958
- 26 1959
- 27 1960
- 28 1961
- 29 1962
- 30 1963
- 31 1964
- 32 1965
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- 67 2000
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- 69 2002
- 70 2003
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- 74 2007
- 75 2008
- 76 2009
- 77 2010
- 78 2011
- 79 2012
- 80 2013
- 81 2014
- 82 2015
- 83 2016
- 84 2017
- 85 2018

Established in 1971

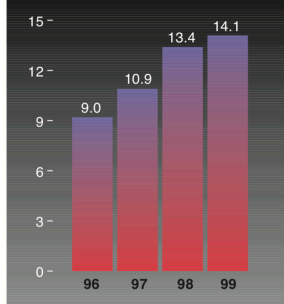


Year Ended December 31,

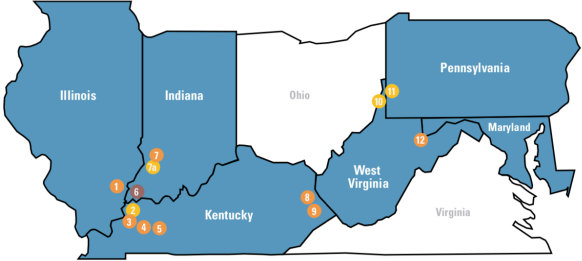
	2018	2017
	(in thousands)	
Tons sold	40,421	37,824
Tons produced	40,266	37,609
Coal sales	\$ 1,844,808	\$ 1,711,114
Operating expenses and outside coal purchases	\$ 1,209,179	\$ 1,091,855

Alliance 10-K 2018, page 58.

Tons Produced
Million Tons



ARLP Annual Report 1999, page 3.



● Current Operations ● Current Development Projects ● Transfer Terminal

Alliance Annual Report 2007, page 2.

1 metric tonne 1 short tons

Production Msht	Production Mt
9.00	8
10.90	10
13.40	12
14.10	13
13.70	12
15.70	14
18.00	16
19.20	17
20.38	18
22.90	21
23.70	22
24.30	22
26.43	24
25.84	23
28.86	26
30.75	28
34.80	32
38.78	35
40.75	37
41.18	37
36.68	33
37.82	34
40.42	37

Oil & Gas royalty acreage

Total		588	533	-	533
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Coal Types:	Subbituminous	-	Bituminous	533	Total	533
			Percent	100%		

Cell: I9**Comment:** Rick Heede:

Alliance website: www.arlp.com / history:

The story of Alliance began in 1971 when MAPCO Inc., then a Fortune 500 diversified energy company, entered the coal-production business, acquiring the Dotiki mine. This underground operation in Webster County, Kentucky, soon became - and remains to this day - one of the most productive coal mines in the country.

MAPCO Coal eventually owned and operated five mining complexes in three states — Kentucky, Illinois, and Maryland. It also owned and operated the Mt. Vernon Terminal Facility, a rail-to-barge loading terminal on the Ohio River.

In 1996, management formed Alliance Coal Corporation and led a buyout of MAPCO Inc.'s coal operations with the financial support of The Beacon Group. Within two years, Alliance acquired Hopkins County Coal, a surface/underground operation in Hopkins County, Kentucky, and developed MC Mining, an underground mine in Pike County, Kentucky. By 1998, Alliance sold 15.1 million tons of coal and was recognized as the sixth largest coal producer in the eastern United States.

During 1999, Alliance Resource Partners, L.P. was formed, and after completion of its initial public offering as the coal industry's first publicly traded master limited partnership, acquired the coal operations of Alliance Coal Corporation. The new company soon broke ground for a new underground mining complex in Gibson County, Indiana. Production began at Gibson County Coal the following year.

ARLP began a \$30 million extension of its Pattiki mine in southern Illinois during 2000. Construction of a new mine shaft and ancillary facilities began in 2001 at the Dotiki mining complex. Both of these projects were completed during the second quarter of 2003 and positioned ARLP to meet increasing demand for its coal.

In February 2003, ARLP completed a secondary public offering. Proceeds from this offering were used in part to purchase Warrior Coal, LLC. Warrior operates an underground mining complex located near Madisonville, Kentucky, between and adjacent to our other western Kentucky operations. Warrior has since become one of the most productive mines in the state of Kentucky.

Since that time, Alliance has experienced substantial growth. Alliance acquired reserves and opened River View in 2009. River View is now the largest underground continuous mining operation in the United States.

Alliance opened Tunnel Ridge in West Virginia in 2010, and Gibson South in Indiana began production in April of 2014.

In July 2015, we acquired the remaining equity interest in White Oak Resources LLC, thereby gaining complete ownership and control of what is now the Hamilton County Coal, LLC in Illinois

Cell: D11**Comment:** Rick Heede:

Coal production by coal mining companies and state-owned enterprises, including subsidiaries of oil and gas companies.

Coal types produced are not ordinarily reported by coal operators (except for metallurgical coal). We distinguish, where possible and reasonably well known, between hard (bituminous and subbituminous) and soft (lignite or peat) coals, especially for the larger companies operating in regions such as Australia and India where soft coals are predominant. Soft coals have lower carbon content per tonne than do hard coals.

Cell: G67**Comment:** Rick Heede:

Alliance resource Partners LP AnnRpt 2001, page 28 (Form 10-K Section): "Tons sold increased 13.3% to 17.0 million for 2001 from 15.0 million in 2000. Tons produced increased 14.9% to 15.7 million for 2001 from 13.7 million for 2000."

Cell: G84**Comment:** Rick Heede:

Alliance Resource Partners LP 10-K 2018.

Coal production (and sales) data page 58.

Page 55: We are a diversified natural resource company that generates income from coal production and oil & gas mineral interests located in strategic producing regions across the United States. We are currently the second-largest coal producer in the eastern United States with eight underground mining complexes in Illinois, Indiana, Kentucky, Maryland and West Virginia, as well as a coal-loading terminal in Indiana. In addition, we generate royalty income from mineral interests we own in premier oil & gas producing regions in the United States, primarily in the Anadarko, Permian, Williston and Appalachian basins. Our mining operations are located near many of the major eastern utility generating plants and on major coal hauling railroads in the eastern United States. Our River View and Tunnel Ridge mines and Mt. Vernon transloading facility are located on the Ohio River and our idled Onton mine is located on the Green River in western Kentucky. As of December 31, 2018, we had approximately 1.70 billion tons of proven and probable coal reserves in Illinois, Indiana, Kentucky, Maryland, Pennsylvania and West Virginia. We believe we control adequate reserves to implement our currently contemplated mining plans. Please see "Item 1. Business—Mining Operations" for further discussion of our mines.

In 2018, we sold a record 40.4 million tons of coal and produced 40.3 million tons. The coal we sold in 2018 was approximately 28.1% low-sulfur coal, 40.1% medium-sulfur coal and 31.8% high-sulfur coal. Based on market expectations, we classify low-sulfur coal as coal with a sulfur content of less than 1.5%, medium-sulfur coal as coal with a sulfur content of 1.5% to 3%, and high-sulfur coal as coal with a sulfur content of greater than 3%. The BTU content of our coal ranges from 11,400 to 13,200." (per lb).

This is bituminous coal (10,750 - 14,340 Btu/lb).

Cell: E85**Comment:** Rick Heede:

Alliance Resource Partners LP Annual Report 2018, page 7: "Through 2018, our passive investments in oil and gas minerals have totaled approximately \$171.4 million and generated cash flow to ARLP of approximately \$52.4 million. In January 2019, we invested an additional \$176.0 million in oil and gas minerals to further expand our royalty acreage holdings."

Permian Basin, Anadarko Basin, Williston / Bakken, Appalachia Basin.