Table 22.1. Surface Coal Mining Productivity By State and Mining Method, 2024

(short tons produced per employee hour)

Coal-Producing State and Region[1]	Contour Strip	Area	Open Pit	Mountaintop Mining	Other[2]	Total
Alabama	1.77	-	-	-	1.45	1.70
Alaska	4.95	-	4.95	-	-	4.95
Colorado	5.30	-	5.61	-	9.09	7.50
Illinois	-	6.27	-	-	1.69	4.41
Indiana	8.38	2.64	4.75	-	6.75	4.75
Kentucky Total	**2.21**	**2.90**	**-**	**-**	**1.72**	**2.06**
Kentucky (East)	2.21	2.90	-	-	1.72	2.06
Kentucky (West)	-	-	-	-	-	-
Louisiana	-	3.99	-	-	-	3.99
Maryland	3.53	2.47	-	-	2.49	2.61
Mississippi	4.60	-	-	-	-	4.60
Missouri	9.08	-	-	-	-	9.08
Montana	21.06	10.05	-	-	s	15.65
New Mexico	5.21	-	7.15	-	-	6.35
North Dakota	10.48	-	13.00	-	-	10.83
Ohio	2.88	3.73	-	-	1.32	2.54
Oklahoma	-	-	-	-	0.39	0.39
Pennsylvania Total	**2.33**	**-**	**2.41**	**-**	**0.59**	**1.51**
Pennsylvania (Anthracite)	2.16	-	2.91	-	0.28	1.49
Pennsylvania (Bituminous)	5.35	-	1.81	-	1.12	1.54
Texas	-	10.48	5.59	-	-	8.45
Utah	-	-	-	-	s	s
Virginia	1.44	1.72	-	3.27	1.12	1.35
West Virginia Total	**2.07**	**2.35**	**3.05**	**3.08**	**2.32**	**2.32**
West Virginia (Northern)	4.78	3.48	-	-	s	1.57
West Virginia (Southern)	2.03	2.33	3.05	3.08	2.41	2.34
Wyoming	19.67	2.88	25.35	-	-	22.29
Appalachia Total	**2.05**	**2.50**	**2.54**	**3.10**	**1.64**	**2.01**
Appalachia Central	1.97	2.43	3.05	3.10	1.98	2.12
Appalachia Northern	2.65	3.07	2.41	-	0.79	1.71
Appalachia Southern	1.77	-	-	-	1.45	1.70
Interior Basin Total	**4.95**	**8.35**	**5.00**	**-**	**5.49**	**6.07**
Illinois Basin	8.38	3.69	4.75	-	5.50	4.72
Interior	4.76	10.01	5.59	-	0.39	7.44
Western Total	**15.80**	**8.60**	**21.76**	**-**	**7.67**	**17.49**
Powder River Basin	21.31	10.05	27.24	-	s	23.20
Uinta Region	5.30	-	5.61	-	7.94	6.93
Western	8.87	2.88	8.02	-	-	8.40
East of Mississippi River	**2.26**	**2.70**	**3.70**	**3.10**	**1.79**	**2.37**
West of Mississippi River	**15.79**	**9.38**	**20.18**	**-**	**7.67**	**16.59**
U.S. Total	**9.65**	**5.79**	**15.20**	**3.10**	**2.16**	**8.94**

- = No data reported.

s = Value is less than 0.5 of the table metric.

1 For a definition of coal producing regions, see the Glossary.

2 Mines that: 1. produce coal using auger, highwall mine, or punch.

Notes: For each State, stand alone preparation plant hours are distributed across mining methods by the proportion of surface hours for all stand alone mines. Productivity is calculated by dividing total coal production by the total direct labor hours worked by all employees engaged in production, preparation, processing, development, maintenance, repair shop, or yard work at mining operations, including office workers. Excludes mines producing less than 50,000 short tons of coal and preparation plants with less than 5,000 employee hours during the year, which are not required to provide data.

Sources: U.S. Energy Information Administration Form EIA-7A, 'Annual Survey of Coal Production and Preparation,' and U.S. Department of Labor, Mine Safety and Health Administration Form 7000-2, 'Quarterly Mine Employment and Coal Production Report.'