Table 24. Coal Mining Productivity by State, Mine Type, and Union Status, 2024

(short tons produced per employee hour)

	Union		Nonunion	
Coal-Producing State and Region[1]	**Underground**	**Surface**	**Underground**	**Surface**
Alabama	2.33	-	1.49	1.71
Alaska	-	4.95	-	-
Colorado	5.98	5.30	3.67	9.05
Illinois	-	-	7.06	4.44
Indiana	-	-	3.89	4.75
Kentucky Total	**-**	**-**	**2.58**	**2.20**
Kentucky (East)	-	-	1.27	2.20
Kentucky (West)	-	-	3.73	-
Louisiana	-	-	-	3.99
Maryland	-	-	1.41	2.67
Mississippi	-	-	-	4.60
Missouri	-	-	-	9.08
Montana	-	9.51	12.66	23.69
New Mexico	-	7.15	-	5.21
North Dakota	-	13.00	-	10.48
Ohio	-	-	2.42	2.61
Pennsylvania Total	**3.55**	**1.78**	**5.25**	**1.45**
Pennsylvania (Anthracite)	-	1.78	0.53	1.38
Pennsylvania (Bituminous)	3.55	-	5.31	1.58
Texas	-	10.48	-	5.59
Utah	-	-	2.82	-
Virginia	-	-	2.08	1.34
West Virginia Total	**4.45**	**17.76**	**1.86**	**2.30**
West Virginia (Northern)	4.84	-	2.66	3.39
West Virginia (Southern)	0.31	17.76	1.56	2.29
Wyoming	-	6.24	-	24.05
Appalachian Total	**3.38**	**2.94**	**2.42**	**2.05**
Appalachia Central	0.23	17.76	1.60	2.12
Appalachia Northern	4.56	1.78	3.90	1.81
Appalachia Southern	2.33	-	1.49	1.71
Interior Region Total	**-**	**10.48**	**5.16**	**4.88**
Illinois Basin	-	-	5.16	4.72
Other Interior	-	10.48	-	5.16
Western Region Total	**5.98**	**7.76**	**4.27**	**20.17**
Powder River Basin	-	9.51	-	24.42
Uinta Basin	5.98	5.30	3.10	8.31
Other Western	-	7.49	10.54	9.11
East of Mississippi River	**3.38**	**2.94**	**3.11**	**2.45**
West of Mississippi River	**5.98**	**8.36**	**4.27**	**19.32**
U.S. Total	**3.44**	**7.51**	**3.22**	**9.60**

- = No data reported.

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

Notes: 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.'