

Table 19. Average Number of Employees at Underground and Surface Mines by State and Mine Production Range, 2023

Coal-Producing State, Region ¹ and Mine Type	Mine Production Range (thousand short tons)							Zero ²	Total Number of Employees
	Above 1,000	Above 500 to 1,000	Above 200 to 500	Above 100 to 200	Above 50 to 100	Above 10 to 50	Above 0 to 10		
Alabama	1,428	327	157	66	107	23	45	106	2,259
Underground	1,428	327	-	58	-	14	-	87	1,914
Surface	-	-	157	8	107	9	45	19	345
Alaska	105	-	-	-	-	-	-	-	105
Surface	105	-	-	-	-	-	-	-	105
Colorado	1,080	125	-	-	55	-	-	32	1,292
Underground	713	106	-	-	55	-	-	32	906
Surface	367	19	-	-	-	-	-	-	386
Illinois	1,969	114	56	-	-	10	12	154	2,315
Underground	1,969	114	-	-	-	-	-	130	2,213
Surface	-	-	56	-	-	10	12	24	102
Indiana	2,080	40	167	53	27	6	-	111	2,490
Underground	1,373	-	-	-	-	-	-	111	1,484
Surface	707	40	167	53	27	6	-	-	1,006
Kentucky Total	1,698	210	802	644	366	459	115	682	5,029
Underground	1,698	108	537	364	178	272	57	447	3,706
Surface	-	102	265	280	188	187	58	235	1,323
Kentucky (East)	248	210	802	609	366	459	115	524	3,386
Underground	248	108	537	329	178	272	57	289	2,063
Surface	-	102	265	280	188	187	58	235	1,323
Kentucky (West)	1,450	-	-	35	-	-	-	158	1,643
Underground	1,450	-	-	35	-	-	-	158	1,643
Louisiana	-	-	35	-	-	-	-	-	35
Surface	-	-	35	-	-	-	-	-	35
Maryland	-	-	163	15	5	35	15	46	279
Underground	-	-	101	-	-	-	-	46	147
Surface	-	-	62	15	5	35	15	-	132
Mississippi	236	-	-	-	-	-	-	-	236
Surface	236	-	-	-	-	-	-	-	236
Missouri	-	-	-	8	-	-	-	-	8
Surface	-	-	-	8	-	-	-	-	8
Montana	923	-	-	-	-	-	-	10	933
Underground	266	-	-	-	-	-	-	-	266
Surface	657	-	-	-	-	-	-	10	667
New Mexico	598	-	-	-	-	-	-	-	598
Surface	598	-	-	-	-	-	-	-	598
North Dakota	1,175	-	-	-	-	-	-	-	1,175
Surface	1,175	-	-	-	-	-	-	-	1,175
Ohio	-	60	133	78	9	27	-	28	335
Underground	-	60	-	64	-	-	-	18	142
Surface	-	-	133	14	9	27	-	10	193
Oklahoma	-	-	-	-	-	-	1	-	1
Surface	-	-	-	-	-	-	1	-	1
Pennsylvania Total	2,302	198	773	387	248	164	131	572	4,825
Underground	2,302	198	463	221	-	15	27	165	3,395
Surface	-	-	310	166	248	149	104	407	1,430
Pennsylvania (Anthracite)	-	-	171	59	168	89	47	394	974
Underground	-	-	-	-	-	15	15	28	58
Surface	-	-	171	59	168	74	32	366	916
Pennsylvania (Bituminous)	2,302	198	602	328	80	75	84	178	3,851
Underground	2,302	198	463	221	-	-	12	137	3,337
Surface	-	-	139	107	80	75	72	41	514
Tennessee	-	-	-	-	-	-	-	4	4
Underground	-	-	-	-	-	-	-	4	4
Texas	705	-	132	-	-	-	-	-	837
Surface	705	-	132	-	-	-	-	-	837
Utah	768	212	153	151	15	-	-	112	1,421

Coal-Producing State, Region ¹ and Mine Type	Mine Production Range (thousand short tons)							Total Number of Employees	
	Above 1,000	Above 500 to 1,000	Above 200 to 500	Above 100 to 200	Above 50 to 100	Above 10 to 50	Above 0 to 10		Zero ²
Underground	768	212	153	151	-	-	-	81	1,365
Surface	-	-	-	-	15	-	-	31	56
Virginia	1,065	-	537	283	120	162	28	335	2,530
Underground	1,065	-	219	95	21	42	9	210	1,661
Surface	-	-	318	188	99	120	19	125	869
West Virginia Total	5,516	2,447	2,670	961	349	484	75	1,512	14,014
Underground	5,060	2,019	1,755	517	247	155	15	1,055	10,823
Surface	456	428	915	444	102	329	60	457	3,191
West Virginia (Northern)	3,752	214	293	186	18	-	6	179	4,648
Underground	3,752	214	293	123	18	-	-	152	4,552
Surface	-	-	-	63	-	-	6	27	96
West Virginia (Southern)	1,764	2,233	2,377	775	331	484	69	1,333	9,366
Underground	1,308	1,805	1,462	394	229	155	15	903	6,271
Surface	456	428	915	381	102	329	54	430	3,095
Wyoming	4,722	-	-	-	-	-	-	-	4,722
Surface	4,722	-	-	-	-	-	-	-	4,722
Appalachia Total	10,559	3,242	5,235	2,399	1,204	1,354	409	3,127	27,632
Underground	10,103	2,712	3,075	1,284	446	498	108	1,874	20,149
Surface	456	530	2,160	1,115	758	856	301	1,253	7,483
Appalachia Central	3,077	2,443	3,716	1,667	817	1,105	212	2,196	15,286
Underground	2,621	1,913	2,218	818	428	469	81	1,406	9,999
Surface	456	530	1,498	849	389	636	131	790	5,287
Appalachia Northern	6,054	472	1,362	666	280	226	152	825	10,087
Underground	6,054	472	857	408	18	15	27	381	8,236
Surface	-	-	505	258	262	211	125	444	1,851
Appalachia Southern	1,428	327	157	66	107	23	45	106	2,259
Underground	1,428	327	-	58	-	14	-	87	1,914
Surface	-	-	157	8	107	9	45	19	345
Interior Region Total	6,440	154	390	96	27	16	13	423	7,565
Underground	4,792	114	-	35	-	-	-	399	5,340
Surface	1,648	40	390	61	27	16	13	24	2,225
Illinois Basin	5,499	154	223	88	27	16	12	423	6,448
Underground	4,792	114	-	35	-	-	-	399	5,340
Surface	707	40	223	53	27	16	12	24	1,108
Other Interior	941	-	167	8	-	-	1	-	1,117
Surface	941	-	167	8	-	-	1	-	1,117
Western Region Total	9,371	337	153	151	70	-	-	154	10,246
Underground	1,747	318	153	151	55	-	-	113	2,537
Surface	7,624	19	-	-	15	-	-	41	7,709
Powder River Basin	4,791	-	-	-	-	-	-	10	4,801
Surface	4,791	-	-	-	-	-	-	10	4,801
Uinta Basin	1,848	231	153	151	-	-	-	112	2,505
Underground	1,481	212	153	151	-	-	-	81	2,078
Surface	367	19	-	-	-	-	-	31	427
Other Western	2,732	106	-	-	70	-	-	32	2,940
Underground	266	106	-	-	55	-	-	32	459
Surface	2,466	-	-	-	15	-	-	-	2,481
East of Mississippi River	16,294	3,396	5,458	2,487	1,231	1,370	421	3,550	34,316
Underground	14,895	2,826	3,075	1,319	446	498	108	2,273	25,489
Surface	1,399	570	2,383	1,168	785	872	313	1,277	8,827
West of Mississippi River	10,076	337	320	159	70	-	1	154	11,127
Underground	1,747	318	153	151	55	-	-	113	2,537
Surface	8,329	19	167	8	15	-	1	41	8,590
U.S. Subtotal	26,370	3,733	5,778	2,646	1,301	1,370	422	3,704	45,443
Underground	16,642	3,144	3,228	1,470	501	498	108	2,386	28,026
Surface	9,728	589	2,550	1,176	800	872	314	1,318	17,417
Refuse Recovery	-	-	-	4	-	26	3	-	33
U.S. Total	26,370	3,733	5,778	2,650	1,301	1,396	425	3,704	45,476

- = No data reported.

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

2 Includes all employees at preparation plants and tipples not co-located with a mine.

Notes: Includes all employees engaged in production, preparation, processing, development, maintenance, repair shop, or yard work at mining operations, including office workers. Excludes preparation plants with less than 5,000 employee hours per year, which are not required to provide data.

Source: U.S. Department of Labor, Mine Safety and Health Administration Form 7000-2, 'Quarterly Mine Employment and Coal Production Report.'