

**Table 19. Average Number of Employees at Underground and Surface Mines by State and Mine Production Range, 2019**

Coal-Producing State, Region <sup>1</sup> 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 <sup>2</sup>	
<b>Alabama</b>	<b>2,184</b>	-	<b>209</b>	<b>205</b>	<b>68</b>	<b>103</b>	<b>45</b>	<b>116</b>	<b>2,930</b>
Underground	2,183	-	41	-	22	-	39	86	2,371
Surface	1	-	168	205	46	103	6	30	559
<b>Alaska</b>	-	<b>101</b>	-	-	-	-	-	-	<b>101</b>
Surface	-	101	-	-	-	-	-	-	101
<b>Arizona</b>	<b>243</b>	-	-	-	-	-	-	-	<b>243</b>
Surface	243	-	-	-	-	-	-	-	243
<b>Colorado</b>	<b>1,184</b>	<b>88</b>	-	-	-	-	-	-	<b>1,272</b>
Underground	770	88	-	-	-	-	-	-	858
Surface	414	-	-	-	-	-	-	-	414
<b>Illinois</b>	<b>2,786</b>	-	<b>33</b>	<b>90</b>	<b>10</b>	<b>15</b>	<b>6</b>	<b>165</b>	<b>3,105</b>
Underground	2,576	-	-	50	-	-	-	150	2,776
Surface	210	-	33	40	10	15	6	15	329
<b>Indiana</b>	<b>2,612</b>	<b>76</b>	<b>64</b>	<b>55</b>	-	-	-	<b>108</b>	<b>2,931</b>
Underground	1,523	-	-	-	-	-	-	108	1,646
Surface	1,089	76	64	55	-	-	-	-	1,285
<b>Kentucky Total</b>	<b>2,197</b>	<b>380</b>	<b>743</b>	<b>847</b>	<b>709</b>	<b>396</b>	<b>120</b>	<b>797</b>	<b>6,257</b>
Underground	2,067	380	455	651	492	150	5	585	4,827
Surface	130	-	288	196	217	246	115	212	1,430
<b>Kentucky (East)</b>	<b>311</b>	<b>252</b>	<b>611</b>	<b>788</b>	<b>709</b>	<b>388</b>	<b>120</b>	<b>553</b>	<b>3,800</b>
Underground	181	252	362	592	492	150	5	356	2,432
Surface	130	-	249	196	217	238	115	197	1,368
<b>Kentucky (West)</b>	<b>1,886</b>	<b>128</b>	<b>132</b>	<b>59</b>	-	<b>8</b>	-	<b>244</b>	<b>2,457</b>
Underground	1,886	128	93	59	-	-	-	229	2,395
Surface	-	-	39	-	-	8	-	15	62
<b>Louisiana</b>	<b>212</b>	-	-	<b>30</b>	-	-	-	-	<b>242</b>
Surface	212	-	-	30	-	-	-	-	242
<b>Maryland</b>	-	<b>101</b>	<b>53</b>	<b>14</b>	-	<b>46</b>	<b>9</b>	<b>37</b>	<b>260</b>
Underground	-	101	-	-	-	-	-	37	138
Surface	-	-	53	14	-	46	9	-	122
<b>Mississippi</b>	<b>194</b>	-	-	-	-	-	-	-	<b>194</b>
Surface	194	-	-	-	-	-	-	-	194
<b>Missouri</b>	-	-	-	<b>14</b>	-	-	-	-	<b>14</b>
Surface	-	-	-	14	-	-	-	-	14
<b>Montana</b>	<b>1,279</b>	-	<b>13</b>	-	-	-	-	<b>10</b>	<b>1,302</b>
Underground	274	-	-	-	-	-	-	-	274
Surface	1,005	-	13	-	-	-	-	10	1,028
<b>New Mexico</b>	<b>926</b>	-	-	-	-	-	-	-	<b>926</b>
Underground	271	-	-	-	-	-	-	-	271
Surface	655	-	-	-	-	-	-	-	655
<b>North Dakota</b>	<b>1,212</b>	-	<b>29</b>	-	-	-	-	-	<b>1,241</b>
Surface	1,212	-	29	-	-	-	-	-	1,241
<b>Ohio</b>	<b>367</b>	<b>241</b>	<b>260</b>	-	<b>20</b>	<b>8</b>	<b>32</b>	<b>55</b>	<b>983</b>
Underground	367	241	48	-	-	-	-	32	688
Surface	-	-	212	-	20	8	32	23	295
<b>Oklahoma</b>	-	-	-	<b>44</b>	-	<b>11</b>	<b>1</b>	-	<b>56</b>
Surface	-	-	-	44	-	11	1	-	56
<b>Pennsylvania Total</b>	<b>2,718</b>	<b>243</b>	<b>687</b>	<b>435</b>	<b>275</b>	<b>267</b>	<b>227</b>	<b>515</b>	<b>5,432</b>
Underground	2,718	243	429	182	93	17	48	133	3,886
Surface	-	-	258	253	182	250	179	382	1,546
<b>Pennsylvania (Anthracite)</b>	-	-	<b>167</b>	<b>63</b>	<b>67</b>	<b>102</b>	<b>114</b>	<b>363</b>	<b>916</b>
Underground	-	-	-	-	-	7	39	22	68
Surface	-	-	167	63	67	95	75	341	848
<b>Pennsylvania (Bituminous)</b>	<b>2,718</b>	<b>243</b>	<b>520</b>	<b>372</b>	<b>208</b>	<b>165</b>	<b>113</b>	<b>152</b>	<b>4,516</b>
Underground	2,718	243	429	182	93	10	9	111	3,818
Surface	-	-	91	190	115	155	104	41	698
<b>Tennessee</b>	-	-	<b>69</b>	-	<b>15</b>	<b>2</b>	-	<b>27</b>	<b>113</b>

Coal-Producing State, Region <sup>1</sup> 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 <sup>2</sup>	
Underground	-	-	69	-	-	-	-	17	86
Surface	-	-	-	-	15	2	-	10	27
<b>Texas</b>	<b>1,445</b>	<b>59</b>	<b>-</b>	<b>27</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,531</b>
Surface	1,445	59	-	27	-	-	-	-	1,531
<b>Utah</b>	<b>1,047</b>	<b>149</b>	<b>158</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>81</b>	<b>1,446</b>
Underground	1,047	149	132	-	-	-	-	69	1,397
Surface	-	-	26	-	-	-	-	12	49
<b>Virginia</b>	<b>925</b>	<b>126</b>	<b>616</b>	<b>218</b>	<b>178</b>	<b>325</b>	<b>63</b>	<b>297</b>	<b>2,748</b>
Underground	925	-	355	72	160	148	7	216	1,883
Surface	-	126	261	146	18	177	56	81	865
<b>West Virginia Total</b>	<b>6,053</b>	<b>1,942</b>	<b>2,913</b>	<b>944</b>	<b>284</b>	<b>315</b>	<b>55</b>	<b>1,482</b>	<b>13,988</b>
Underground	5,231	1,507	1,974	640	120	113	-	1,062	10,647
Surface	822	435	939	304	164	202	55	420	3,341
<b>West Virginia (Northern)</b>	<b>3,845</b>	<b>-</b>	<b>224</b>	<b>-</b>	<b>19</b>	<b>9</b>	<b>7</b>	<b>184</b>	<b>4,288</b>
Underground	3,845	-	146	-	19	-	-	120	4,130
Surface	-	-	78	-	-	9	7	64	158
<b>West Virginia (Southern)</b>	<b>2,208</b>	<b>1,942</b>	<b>2,689</b>	<b>944</b>	<b>265</b>	<b>306</b>	<b>48</b>	<b>1,298</b>	<b>9,700</b>
Underground	1,386	1,507	1,828	640	101	113	-	942	6,517
Surface	822	435	861	304	164	193	48	356	3,183
<b>Wyoming</b>	<b>5,399</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>5,399</b>
Underground	133	-	-	-	-	-	-	-	133
Surface	5,266	-	-	-	-	-	-	-	5,266
<b>Appalachia Total</b>	<b>12,558</b>	<b>2,905</b>	<b>5,418</b>	<b>2,604</b>	<b>1,549</b>	<b>1,454</b>	<b>551</b>	<b>3,082</b>	<b>30,254</b>
Underground	11,605	2,344	3,278	1,486	887	428	99	1,939	22,131
Surface	953	561	2,140	1,118	662	1,026	452	1,143	8,123
<b>Appalachia Central</b>	<b>3,444</b>	<b>2,320</b>	<b>3,985</b>	<b>1,950</b>	<b>1,167</b>	<b>1,021</b>	<b>231</b>	<b>2,175</b>	<b>16,361</b>
Underground	2,492	1,759	2,614	1,304	753	411	12	1,531	10,918
Surface	952	561	1,371	646	414	610	219	644	5,443
<b>Appalachia Northern</b>	<b>6,930</b>	<b>585</b>	<b>1,224</b>	<b>449</b>	<b>314</b>	<b>330</b>	<b>275</b>	<b>791</b>	<b>10,963</b>
Underground	6,930	585	623	182	112	17	48	322	8,842
Surface	-	-	601	267	202	313	227	469	2,121
<b>Appalachia Southern</b>	<b>2,184</b>	<b>-</b>	<b>209</b>	<b>205</b>	<b>68</b>	<b>103</b>	<b>45</b>	<b>116</b>	<b>2,930</b>
Underground	2,183	-	41	-	22	-	39	86	2,371
Surface	1	-	168	205	46	103	6	30	559
<b>Interior Region Total</b>	<b>9,135</b>	<b>263</b>	<b>229</b>	<b>319</b>	<b>10</b>	<b>34</b>	<b>7</b>	<b>517</b>	<b>10,530</b>
Underground	5,985	128	93	109	-	-	-	487	6,817
Surface	3,150	135	136	210	10	34	7	30	3,713
<b>Illinois Basin</b>	<b>7,284</b>	<b>204</b>	<b>229</b>	<b>204</b>	<b>10</b>	<b>23</b>	<b>6</b>	<b>517</b>	<b>8,493</b>
Underground	5,985	128	93	109	-	-	-	487	6,817
Surface	1,299	76	136	95	10	23	6	30	1,676
<b>Other Interior</b>	<b>1,851</b>	<b>59</b>	<b>-</b>	<b>115</b>	<b>-</b>	<b>11</b>	<b>1</b>	<b>-</b>	<b>2,037</b>
Surface	1,851	59	-	115	-	11	1	-	2,037
<b>Western Region Total</b>	<b>11,290</b>	<b>338</b>	<b>200</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>91</b>	<b>11,930</b>
Underground	2,495	237	132	-	-	-	-	69	2,933
Surface	8,795	101	68	-	-	-	-	22	8,997
<b>Powder River Basin</b>	<b>5,618</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>10</b>	<b>5,628</b>
Surface	5,618	-	-	-	-	-	-	10	5,628
<b>Uinta Basin</b>	<b>2,231</b>	<b>149</b>	<b>132</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>81</b>	<b>2,604</b>
Underground	1,817	149	132	-	-	-	-	69	2,167
Surface	414	-	-	-	-	-	-	12	437
<b>Other Western</b>	<b>3,441</b>	<b>189</b>	<b>68</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3,698</b>
Underground	678	88	-	-	-	-	-	-	766
Surface	2,763	101	68	-	-	-	-	-	2,932
<b>East of Mississippi River</b>	<b>20,036</b>	<b>3,109</b>	<b>5,647</b>	<b>2,808</b>	<b>1,559</b>	<b>1,477</b>	<b>557</b>	<b>3,599</b>	<b>38,941</b>
Underground	17,590	2,472	3,371	1,595	887	428	99	2,426	28,948
Surface	2,446	637	2,276	1,213	672	1,049	458	1,173	9,993
<b>West of Mississippi River</b>	<b>12,947</b>	<b>397</b>	<b>200</b>	<b>115</b>	<b>-</b>	<b>11</b>	<b>1</b>	<b>91</b>	<b>13,773</b>
Underground	2,495	237	132	-	-	-	-	69	2,933
Surface	10,452	160	68	115	-	11	1	22	10,840
<b>U.S. Subtotal</b>	<b>32,983</b>	<b>3,506</b>	<b>5,847</b>	<b>2,923</b>	<b>1,559</b>	<b>1,488</b>	<b>558</b>	<b>3,690</b>	<b>52,714</b>
Underground	20,085	2,709	3,503	1,595	887	428	99	2,495	31,881

Coal-Producing State, Region <sup>1</sup> and Mine Type	Mine Production Range (thousand short tons)							Zero <sup>2</sup>	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		
Surface	12,898	797	2,344	1,328	672	1,060	459	1,195	20,833
Refuse Recovery	-	-	-	10	19	59	2	-	90
<b>U.S. Total</b>	<b>32,983</b>	<b>3,506</b>	<b>5,847</b>	<b>2,933</b>	<b>1,578</b>	<b>1,547</b>	<b>560</b>	<b>3,690</b>	<b>52,804</b>

- = 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.'