

U.S. Coal Mining Productivity Trends
(Average Tons per Mine per Hour)
(1950 - 2022)



| Year | Underground | Surface | All Mines * |
|------|-------------|---------|-------------|
| 1950 | 0.72 | 1.96 | 0.76 |
| 1955 | 1.04 | 2.65 | 1.14 |
| 1960 | 1.33 | 2.91 | 1.52 |
| 1965 | 1.75 | 4.10 | 2.09 |
| 1970 | 1.72 | 4.53 | 2.30 |
| 1975 | 1.19 | 3.26 | 1.81 |
| 1980 | 1.21 | 3.27 | 1.93 |
| 1985 | 1.79 | 4.24 | 2.74 |
| 1990 | 2.54 | 5.94 | 3.83 |
| 1991 | 2.69 | 6.38 | 4.09 |
| 1992 | 2.93 | 6.59 | 4.36 |
| 1993 | 2.95 | 7.23 | 4.70 |
| 1994 | 3.19 | 7.67 | 4.98 |
| 1995 | 3.39 | 8.48 | 5.38 |
| 1996 | 3.57 | 9.05 | 5.69 |
| 1997 | 3.83 | 9.46 | 6.04 |
| 1998 | 3.90 | 9.58 | 6.20 |
| 1999 | 3.99 | 10.39 | 6.61 |
| 2000 | 4.15 | 11.01 | 6.99 |
| 2001 | 4.02 | 10.60 | 6.82 |
| 2002 | 3.98 | 10.38 | 6.80 |
| 2003 | 4.04 | 10.76 | 6.95 |
| 2004 | 3.96 | 10.57 | 6.80 |
| 2005 | 3.62 | 10.04 | 6.36 |
| 2006 | 3.37 | 10.19 | 6.26 |
| 2007 | 3.34 | 10.25 | 6.27 |
| 2008 | 3.15 | 9.82 | 5.96 |
| 2009 | 2.99 | 9.22 | 5.61 |
| 2010 | 2.89 | 9.47 | 5.55 |
| 2011 | 2.72 | 8.97 | 5.19 |
| 2012 | 2.84 | 8.97 | 5.19 |
| 2013 | 3.07 | 9.69 | 5.54 |
| 2014 | 3.35 | 10.42 | 5.96 |
| 2015 | 3.45 | 10.95 | 6.28 |
| 2016 | 3.83 | 10.73 | 6.61 |
| 2017 | 3.77 | 10.92 | 6.55 |
| 2018 | 3.77 | 10.36 | 6.23 |
| 2019 | 3.60 | 9.88 | 5.94 |
| 2020 | 3.60 | 10.24 | 6.12 |
| 2021 | 4.03 | 11.38 | 6.71 |
| 2022 | 3.62 | 10.39 | 6.11 |

* Includes anthracite mines. 1950-1999 data years exclude mines producing less than 10,000 short tons per year. 2000-2019 data exclude preparation plants with less than 5,000 employee hours per year.

SOURCE: Energy Information Administration.

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