

**Table 1. Average Transportation and Delivered Costs of Coal, By Year and Primary Transport Mode  
(2023 dollars per ton)**

Year	Average Transportation Cost of Coal (Dollars per Ton)	Average Delivered Cost of Coal (Dollars per Ton)	Transportation Cost Share of Delivered Cost (Percent)
<b>Railroad</b>			
2008	23.54	57.59	40.9%
2009	21.92	60.51	36.2%
2010	23.51	60.90	38.6%
2011	25.63	63.31	40.5%
2012	26.09	61.63	42.3%
2013	26.64	58.24	45.7%
2014	26.74	57.85	46.2%
2015	25.11	53.25	47.2%
2016	23.94	50.76	47.2%
2017	24.14	48.30	50.0%
2018	23.89	47.33	50.5%
2019	22.43	45.28	49.5%
2020	19.83	40.96	48.4%
2021	21.19	41.11	51.6%
2022	22.82	46.78	48.8%
2023	22.10	45.90	48.1%
<b>Waterway</b>			
2008	8.73	71.36	12.2%
2009	8.36	79.79	10.5%
2010	8.48	76.98	11.0%
2011	8.39	78.04	10.8%
2012	7.14	76.59	9.3%
2013	7.12	73.07	9.7%
2014	7.44	72.44	10.3%
2015	6.34	68.83	9.2%
2016	5.90	64.29	9.2%
2017	5.45	58.39	9.3%
2018	5.58	55.95	10.0%
2019	5.29	55.70	9.5%
2020	5.56	54.42	10.2%
2021	5.93	50.35	11.8%
2022	7.49	59.77	12.5%
2023	7.46	68.31	10.9%

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(2023 dollars per ton)**

Year	Average Transportation Cost of Coal (Dollars per Ton)	Average Delivered Cost of Coal (Dollars per Ton)	Transportation Cost Share of Delivered Cost (Percent)
<b>Truck</b>			
2008	8.34	54.71	15.2%
2009	6.80	52.78	12.9%
2010	7.85	58.71	13.4%
2011	7.18	63.00	11.4%
2012	7.78	66.43	11.7%
2013	8.20	61.72	13.3%
2014	7.82	62.77	12.5%
2015	7.27	58.22	12.5%
2016	6.91	45.75	15.1%
2017	7.45	44.74	16.6%
2018	8.11	44.06	18.4%
2019	6.76	43.63	15.5%
2020	6.37	40.64	15.7%
2021	7.65	40.27	19.0%
2022	8.73	42.59	20.5%
2023	7.96	46.68	17.0%
<b>US Total<sup>[1]</sup></b>			
2008	20.73	58.33	35.5%
2009	19.10	61.86	30.9%
2010	20.31	62.31	32.6%
2011	22.07	64.61	34.2%
2012	21.93	63.25	34.7%
2013	22.37	60.07	37.2%
2014	23.29	60.38	38.6%
2015	21.27	55.38	38.4%
2016	19.96	52.48	38.0%
2017	19.93	48.73	40.9%
2018	19.61	47.56	41.2%
2019	18.42	45.92	40.1%
2020	16.18	42.05	38.5%
2021	17.61	41.72	42.2%
2022	19.29	47.43	40.7%
2023	18.77	47.52	39.5%

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

W = Withheld to avoid disclosure of individual company data.

<sup>1</sup> Includes a small number of shipments in categories other than railroad, waterway or truck.

Notes: Rates are based on a weighted average of the difference between the commodity cost and total delivered cost of coal shipments to plants in the electric power sector. In addition, the rates are based on the primary transport mode selected by a plant's owner or operator so may include other secondary or tertiary modes. Values are presented in 2023 dollars. For the composition of coal basins, refer to the definition of "coal-producing regions" in EIA's glossary at [www.eia.gov/tools/glossary](http://www.eia.gov/tools/glossary).