

**Table 1. Average Transportation and Delivered Costs of Coal, By Year and Primary Transport Mode
(2022 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)
Railroad			
2008	22.74	55.66	40.9%
2009	21.24	58.45	36.3%
2010	22.75	58.95	38.6%
2011	24.83	61.47	40.4%
2012	25.29	59.76	42.3%
2013	25.77	56.27	45.8%
2014	25.83	55.71	46.4%
2015	24.27	51.36	47.3%
2016	23.13	49.02	47.2%
2017	23.29	46.61	50.0%
2018	23.09	45.67	50.5%
2019	21.66	43.66	49.6%
2020	19.15	39.54	48.4%
2021	20.48	39.67	51.6%
2022	22.08	45.16	48.9%
Waterway			
2008	8.47	68.88	12.3%
2009	8.10	77.04	10.5%
2010	8.20	74.26	11.0%
2011	8.10	75.30	10.8%
2012	6.89	73.90	9.3%
2013	6.88	70.53	9.8%
2014	7.18	69.90	10.3%
2015	6.12	66.41	9.2%
2016	5.69	62.03	9.2%
2017	5.26	56.33	9.3%
2018	5.38	53.98	10.0%
2019	5.11	53.73	9.5%
2020	5.37	52.48	10.2%
2021	5.73	48.58	11.8%
2022	7.24	57.78	12.5%

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(2022 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)
Truck			
2008	8.05	52.79	15.2%
2009	6.57	50.93	12.9%
2010	7.59	56.62	13.4%
2011	6.93	60.79	11.4%
2012	7.51	64.09	11.7%
2013	7.91	59.55	13.3%
2014	7.55	60.56	12.5%
2015	7.02	56.17	12.5%
2016	6.67	44.14	15.1%
2017	7.18	43.17	16.6%
2018	7.87	42.67	18.4%
2019	6.53	42.00	15.6%
2020	6.15	39.15	15.7%
2021	7.38	38.81	19.0%
2022	8.47	40.66	20.8%
US Total[1]			
2008	20.01	56.35	35.5%
2009	18.51	59.75	31.0%
2010	19.66	60.25	32.6%
2011	21.38	62.63	34.1%
2012	21.30	61.24	34.8%
2013	21.65	58.00	37.3%
2014	22.54	58.15	38.8%
2015	20.57	53.40	38.5%
2016	19.30	50.66	38.1%
2017	19.24	47.02	40.9%
2018	18.96	45.90	41.3%
2019	17.78	44.27	40.2%
2020	15.63	40.58	38.5%
2021	17.02	40.25	42.3%
2022	18.69	45.78	40.8%

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

W = Withheld to avoid disclosure of individual company data.

¹ 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 2022 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.