

**Table 4b. Average Annual Coal Transportation Costs from State to State by Waterway
(nominal dollars per ton)**

Origin State	Destination State	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Ohio	Indiana	-	-	-	-	W	-	-	-	-	-	-	-	-	-
Ohio	Kentucky	\$5.77	\$4.85	\$4.67	\$5.32	\$5.48	\$5.78	W	W	W	W	W	W	W	W
Ohio	Ohio	\$4.73	\$3.46	\$3.24	\$3.19	\$2.85	\$3.31	\$3.76	\$3.37	\$3.77	\$2.73	\$3.04	\$2.91	\$2.73	\$3.23
Ohio	Pennsylvania	\$2.93	W	\$4.18	\$4.22	\$3.57	\$4.64	W	W	-	W	W	W	-	-
Ohio	West Virginia	W	\$2.69	\$2.52	\$2.70	\$2.97	\$3.48	\$4.47	\$2.98	\$2.73	\$2.71	\$3.41	\$2.55	W	W
Pennsylvania	Florida	-	-	W	W	W	-	-	-	-	-	-	-	-	-
Pennsylvania	Indiana	W	W	W	W	W	W	W	W	-	-	-	-	-	W
Pennsylvania	Kentucky	W	\$7.51	-	W	-	-	W	W	W	\$9.50	\$7.36	\$7.04	W	W
Pennsylvania	Maryland	-	-	-	-	-	-	-	-	-	-	-	W	W	-
Pennsylvania	Mississippi	-	-	W	-	W	-	-	-	-	-	-	-	-	-
Pennsylvania	Ohio	\$5.59	\$5.01	\$5.70	\$6.83	\$8.94	\$7.93	\$6.72	\$7.34	\$6.93	\$6.99	\$5.02	W	\$6.74	W
Pennsylvania	Pennsylvania	\$4.76	\$5.92	\$6.34	\$5.28	\$6.65	\$5.87	\$8.97	\$5.45	\$5.92	\$8.36	\$9.89	\$9.10	\$10.41	\$12.46
Pennsylvania	Tennessee	W	W	W	-	W	-	-	-	-	-	-	-	-	-
Pennsylvania	West Virginia	W	W	W	W	W	\$6.78	\$7.35	\$5.95	\$3.45	W	W	\$2.61	W	W
Pennsylvania	Wisconsin	-	W	-	-	-	-	-	-	-	-	-	-	-	-
Tennessee	Florida	W	-	-	-	-	-	-	-	-	-	-	-	-	-
Utah	Florida	-	W	W	-	-	-	-	-	-	-	-	-	-	-
Virginia	Florida	-	W	-	-	-	-	-	-	-	-	-	-	-	-
Virginia	Kentucky	W	-	-	-	-	-	-	-	-	-	-	-	-	W
Virginia	West Virginia	-	W	W	W	-	W	-	-	-	-	-	-	-	-
West Virginia	Alabama	-	W	W	-	-	-	-	W	W	W	W	-	-	-
West Virginia	Florida	\$14.57	\$10.03	\$11.88	\$7.77	W	W	\$9.99	W	W	W	W	-	-	W
West Virginia	Indiana	W	\$9.17	\$5.88	\$6.08	\$7.48	\$8.04	\$10.38	\$12.12	W	W	W	W	W	W
West Virginia	Kentucky	\$4.97	\$5.02	\$4.64	\$5.21	\$5.72	\$5.99	\$4.80	\$5.81	\$5.04	\$4.86	\$4.28	\$4.32	\$4.68	\$5.25
West Virginia	Maryland	-	-	-	-	-	-	-	-	-	-	-	-	W	W
West Virginia	Michigan	-	-	-	W	-	-	-	-	-	-	-	-	-	-
West Virginia	Mississippi	-	-	W	W	-	-	W	W	-	-	-	-	-	W
West Virginia	New Hampshire	-	-	-	-	-	-	-	-	-	-	-	-	-	W
West Virginia	Ohio	\$5.31	\$3.76	\$3.70	\$4.33	\$3.05	\$3.07	\$3.26	\$2.88	\$3.19	\$3.05	\$3.50	\$3.42	\$3.72	\$3.74
West Virginia	Pennsylvania	\$3.43	\$2.35	\$2.42	\$2.84	\$3.22	\$3.80	\$3.47	W	W	\$2.30	\$5.61	\$7.39	W	\$9.84
West Virginia	Tennessee	W	W	W	-	-	-	-	W	-	-	-	-	-	W
West Virginia	Virginia	-	-	W	W	W	-	-	-	-	-	-	-	-	-
West Virginia	West Virginia	W	\$7.75	\$3.84	\$2.82	\$3.29	\$3.80	\$4.44	\$3.88	\$4.18	\$3.59	\$3.75	\$3.88	\$4.43	\$4.36
Wyoming	Alabama	-	-	W	-	-	-	-	-	-	-	-	-	-	-
Wyoming	Illinois	W	\$11.42	\$12.78	W	-	-	W	-	W	-	-	-	-	-
Wyoming	Indiana	W	W	-	W	-	-	-	-	-	-	-	-	-	W
Wyoming	Iowa	W	\$13.20	W	W	-	-	-	-	-	-	-	-	-	-
Wyoming	Kentucky	-	-	W	-	-	-	-	-	-	-	-	-	-	-
Wyoming	Louisiana	-	-	-	-	-	-	-	-	-	-	-	-	W	-
Wyoming	Michigan	-	-	W	W	-	-	-	-	-	-	-	-	-	-
Wyoming	Mississippi	-	-	W	-	-	-	-	-	-	-	-	-	-	-
Wyoming	Ohio	\$21.07	\$22.35	\$18.07	W	-	-	-	-	-	W	-	-	-	-
Wyoming	Pennsylvania	W	W	W	W	-	-	-	-	-	-	-	-	-	-
Wyoming	Tennessee	-	W	W	-	-	-	W	W	-	-	-	-	-	-
Wyoming	Texas	-	-	-	-	-	-	-	-	W	-	-	-	-	-
Wyoming	West Virginia	\$4.59	\$4.95	\$32.76	W	-	-	-	-	-	-	-	-	-	-
Wyoming	Wisconsin	-	-	W	-	-	-	W	-	-	-	-	-	-	-

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

W = Withheld to avoid disclosure of individual company data.

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 nominal 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.