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

Origin State	Destination State					2012	2013	2014	2015
Alabama	Alabama	$4.31	$4.36	$5.01	$4.16	W	$4.51	W	W
Alabama	Ohio	W	-	-	-	-	-	-	-
Colorado	Alabama	W	-	-	-	-	-	-	-
Colorado	Florida	$11.08	$12.65	$13.27	W	-	-	-	W
Colorado	Indiana	W	W	-	W	-	-	-	-
Colorado	Iowa	W	-	-	-	-	-	-	-
Colorado	Kentucky	W	-	-	-	-	-	-	-
Colorado	Mississippi	-	-	W	-	-	-	-	-
Colorado	Ohio	-	W	-	-	-	-	-	-
Colorado	Tennessee	W	-	-	-	-	-	-	-
Illinois	Alabama	W	W	W	W	W	W	W	W
Illinois	Florida	W	$10.31	$12.03	$13.25	$13.82	$15.04	$13.25	$11.24
Illinois	Indiana	W	W	W	W	W	W	W	W
Illinois	Iowa	W	W	-	W	-	-	-	-
Illinois	Kentucky	$6.43	$7.47	$7.87	$6.83	$6.48	$5.64	$5.41	$5.07
Illinois	Louisiana	-	-	-	W	W	W	W	W
Illinois	Minnesota	-	-	-	W	W	W	-	-
Illinois	Mississippi	-	-	W	W	W	W	W	W
Illinois	Missouri	-	W	W	-	-	-	-	-
Illinois	Ohio	$7.76	$7.26	$7.02	$7.93	$8.15	$6.98	$7.10	$6.81
Illinois	Pennsylvania	-	-	W	-	-	-	-	-
Illinois	Tennessee	W	W	W	W	W	W	W	W
Illinois	West Virginia	W	W	W	W	W	W	W	-
Illinois	Wisconsin	-	-	W	-	-	-	W	-
Indiana	Alabama	W	$18.38	$20.54	$27.55	W	-	W	-
Indiana	Florida	W	-	-	-	-	W	W	W
Indiana	Indiana	W	W	W	W	W	W	W	W
Indiana	Iowa	W	W	-	-	-	-	-	-
Indiana	Kentucky	$4.89	$5.15	$4.45	$5.04	$4.43	$4.97	$4.91	$4.36
Indiana	Ohio	W	W	W	$5.04	$5.39	$5.54	$4.35	W
Indiana	Tennessee	-	-	W	-	-	-	-	-
Indiana	Wisconsin	-	-	-	-	-	-	W	-
Kentucky	Alabama	$8.37	-	-	W	W	-	W	W
Kentucky	Florida	$17.61	$13.90	$13.08	$15.34	$16.78	$15.77	$15.46	W
Kentucky	Indiana	W	$3.80	$3.36	$5.78	$4.24	$7.47	$6.84	$6.01
Kentucky	Iowa	W	-	-	-	-	-	-	-
Kentucky	Kentucky	$4.69	$4.28	$4.78	$5.28	$5.39	$5.25	$5.05	$4.33
Kentucky	Louisiana	-	-	-	W	-	-	-	-
Kentucky	Michigan	-	-	-	W	-	-	-	-
Kentucky	Mississippi	-	-	W	W	W	W	W	W
Kentucky	Missouri	-	W	-	-	-	-	-	-
Kentucky	Ohio	$3.83	$4.20	$3.84	$5.84	$7.18	$4.36	$7.01	$6.14
Kentucky	Pennsylvania	W	$24.27	$23.04	$21.10	$20.56	-	-	-
Kentucky	South Carolina	-	-	-	W	-	-	-	-
Kentucky	Tennessee	W	W	W	W	W	W	W	W
Kentucky	Virginia	-	-	-	W	-	-	-	-
Kentucky	West Virginia	W	$3.02	$8.80	$6.33	$10.69	$7.33	$7.15	$6.27
Kentucky	Wisconsin	-	-	-	-	-	-	W	-
Montana	Pennsylvania	W	W	W	-	-	-	-	-
Montana	West Virginia	$5.58	$4.82	W	-	-	-	-	-
Montana	Wisconsin	W	W	W	-	-	-	-	-
Ohio	Florida	W	-	-	-	-	-	-	-
Ohio	Indiana	-	-	-	-	W	-	-	-
Ohio	Kentucky	$5.77	$4.85	$4.67	$5.32	$5.48	$5.78	W	W
Ohio	Ohio	$4.73	$3.46	$3.24	$3.19	$2.85	$3.31	$3.76	$3.37
Ohio	Pennsylvania	$2.93	W	$4.18	$4.22	$3.57	$4.64	W	W
Ohio	West Virginia	W	$2.69	$2.52	$2.70	$2.97	$3.48	$4.47	$2.98
Pennsylvania	Florida	-	-	W	W	W	-	-	-
Pennsylvania	Indiana	W	W	W	W	W	W	W	W
Pennsylvania	Kentucky	W	$7.51	-	W	-	-	W	W

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

Origin State	Destination State					2012	2013	2014	2015
Pennsylvania	Maryland	-	-	-	-	-	-	-	-
Pennsylvania	Mississippi	-	-	W	-	W	-	-	-
Pennsylvania	New Jersey	-	-	-	-	-	-	-	-
Pennsylvania	Ohio	$5.59	$5.01	$5.70	$6.83	$8.94	$7.93	$6.72	$7.34
Pennsylvania	Pennsylvania	$4.76	$5.92	$6.34	$5.28	$6.65	$5.87	$8.97	$5.45
Pennsylvania	Tennessee	W	W	W	-	W	-	-	-
Pennsylvania	West Virginia	W	W	W	W	W	$6.78	$7.35	$5.95
Pennsylvania	Wisconsin	-	W	-	-	-	-	-	-
Tennessee	Florida	W	-	-	-	-	-	-	-
Utah	Florida	-	W	W	-	-	-	-	-
Virginia	Florida	-	W	-	-	-	-	-	-
Virginia	Kentucky	W	-	-	-	-	-	-	-
Virginia	West Virginia	-	W	W	W	-	W	-	-
West Virginia	Alabama	-	W	W	-	-	-	-	W
West Virginia	Florida	$14.57	$10.03	$11.88	$7.77	W	W	$9.99	W
West Virginia	Indiana	W	$9.17	$5.88	$6.08	$7.48	$8.04	$10.38	$12.12
West Virginia	Kentucky	$4.97	$5.02	$4.64	$5.21	$5.72	$5.99	$4.80	$5.81
West Virginia	Maryland	-	-	-	-	-	-	-	-
West Virginia	Michigan	-	-	-	W	-	-	-	-
West Virginia	Mississippi	-	-	W	W	-	-	W	W
West Virginia	New Hampshire	-	-	-	-	-	-	-	-
West Virginia	Ohio	$5.31	$3.76	$3.70	$4.33	$3.05	$3.07	$3.26	$2.88
West Virginia	Pennsylvania	$3.43	$2.35	$2.42	$2.84	$3.22	$3.80	$3.47	W
West Virginia	Tennessee	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
Wyoming	Alabama	-	-	W	-	-	-	-	-
Wyoming	Illinois	W	$11.42	$12.78	W	-	-	W	-
Wyoming	Indiana	W	W	-	W	-	-	-	-
Wyoming	Iowa	W	$13.20	W	W	-	-	-	-
Wyoming	Kentucky	-	-	W	-	-	-	-	-
Wyoming	Louisiana	-	-	-	-	-	-	-	-
Wyoming	Michigan	-	-	W	W	-	-	-	-
Wyoming	Mississippi	-	-	W	-	-	-	-	-
Wyoming	Ohio	$21.07	$22.35	$18.07	W	-	-	-	-
Wyoming	Pennsylvania	W	W	W	W	-	-	-	-
Wyoming	Tennessee	-	W	W	-	-	-	W	W
Wyoming	Texas	-	-	-	-	-	-	-	-
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.

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

Origin State	Destination State	2016	2017	2018	2019	2020	2021	2022	2023	2024
Alabama	Alabama	W	-	-	-	-	-	-	-	-
Alabama	Ohio	-	-	-	-	-	-	-	-	-
Colorado	Alabama	-	-	-	-	-	-	-	-	-
Colorado	Florida	W	-	-	-	-	-	-	-	-
Colorado	Indiana	-	-	-	-	-	-	-	-	-
Colorado	Iowa	-	-	-	-	-	-	-	-	-
Colorado	Kentucky	-	-	-	-	-	-	-	-	-
Colorado	Mississippi	W	-	-	-	-	-	-	-	-
Colorado	Ohio	-	-	-	-	-	-	-	-	-
Colorado	Tennessee	-	-	-	-	-	-	-	-	-
Illinois	Alabama	W	W	W	-	-	-	-	-	-
Illinois	Florida	$9.41	$8.01	W	W	W	W	W	W	W
Illinois	Indiana	W	W	W	W	W	W	W	W	W
Illinois	Iowa	-	-	-	-	-	-	-	-	-
Illinois	Kentucky	$4.46	$4.62	$4.99	$5.01	$4.82	$5.47	$7.94	$8.27	$8.62
Illinois	Louisiana	W	W	W	W	W	W	W	W	W
Illinois	Minnesota	-	-	-	-	-	-	-	-	-
Illinois	Mississippi	W	W	W	-	W	W	-	-	W
Illinois	Missouri	-	-	-	-	-	-	-	-	-
Illinois	Ohio	W	W	$5.12	W	$5.54	$6.33	$7.40	$9.46	W
Illinois	Pennsylvania	-	-	-	-	-	-	-	-	-
Illinois	Tennessee	W	W	W	W	W	W	W	W	W
Illinois	West Virginia	-	-	-	-	W	W	W	-	-
Illinois	Wisconsin	-	-	-	-	-	-	-	-	-
Indiana	Alabama	W	W	W	W	-	-	-	-	-
Indiana	Florida	-	W	-	-	-	-	W	-	W
Indiana	Indiana	-	-	-	-	-	-	W	W	W
Indiana	Iowa	-	-	-	-	-	-	-	-	-
Indiana	Kentucky	$3.92	$3.18	$2.87	$3.59	-	-	$4.89	W	-
Indiana	Ohio	$4.46	W	W	W	-	-	$4.95	W	-
Indiana	Tennessee	-	-	-	W	-	-	-	-	-
Indiana	Wisconsin	-	-	-	-	-	-	-	-	-
Kentucky	Alabama	W	-	-	W	W	-	-	-	-
Kentucky	Florida	W	W	W	W	W	W	W	W	W
Kentucky	Indiana	$6.40	$5.73	W	$6.15	W	W	W	W	W
Kentucky	Iowa	-	-	-	-	-	-	-	-	-
Kentucky	Kentucky	$3.79	$4.21	$4.03	$4.31	$4.12	$4.13	$5.64	$5.77	$6.40
Kentucky	Louisiana	-	-	-	-	-	-	-	-	-
Kentucky	Michigan	-	-	-	-	-	-	-	-	-
Kentucky	Mississippi	W	-	W	-	W	W	-	-	W
Kentucky	Missouri	-	-	-	-	-	-	-	-	-
Kentucky	Ohio	$5.35	$4.97	W	W	W	W	W	W	W
Kentucky	Pennsylvania	-	-	W	-	-	-	-	-	-
Kentucky	South Carolina	-	-	-	-	-	-	-	-	-
Kentucky	Tennessee	W	W	W	W	W	W	W	W	W
Kentucky	Virginia	-	-	-	-	-	-	-	-	-
Kentucky	West Virginia	$7.04	W	$5.69	$5.67	$5.29	W	$9.82	$8.13	$6.87
Kentucky	Wisconsin	-	-	-	-	-	-	-	-	-
Montana	Pennsylvania	-	-	-	-	-	-	-	-	-
Montana	West Virginia	-	-	-	-	-	-	-	-	-
Montana	Wisconsin	-	-	-	-	-	-	-	-	-
Ohio	Florida	-	-	-	-	-	-	-	-	-
Ohio	Indiana	-	-	-	-	-	-	-	-	-
Ohio	Kentucky	W	W	W	W	W	W	$6.25	$6.65	W
Ohio	Ohio	$3.77	$2.73	$3.04	$2.91	$2.73	$3.23	$3.57	W	W
Ohio	Pennsylvania	-	W	W	W	-	-	-	-	-
Ohio	West Virginia	$2.73	$2.71	$3.41	$2.55	W	W	W	W	W
Pennsylvania	Florida	-	-	-	-	-	-	W	-	-
Pennsylvania	Indiana	-	-	-	-	-	W	W	-	-
Pennsylvania	Kentucky	W	$9.50	$7.36	$7.04	W	W	$12.13	$13.88	$13.68

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

Origin State	Destination State	2016	2017	2018	2019	2020	2021	2022	2023	2024
Pennsylvania	Maryland	-	-	-	W	W	-	-	-	-
Pennsylvania	Mississippi	-	-	-	-	-	-	-	-	-
Pennsylvania	New Jersey	-	-	-	-	-	-	W	-	-
Pennsylvania	Ohio	$6.93	$6.99	$5.02	W	$6.74	W	$8.04	W	W
Pennsylvania	Pennsylvania	$5.92	$8.36	$9.89	$9.10	$10.41	$12.46	$12.65	W	-
Pennsylvania	Tennessee	-	-	-	-	-	-	-	-	-
Pennsylvania	West Virginia	$3.45	W	W	$2.61	W	W	W	$5.63	$15.33
Pennsylvania	Wisconsin	-	-	-	-	-	-	-	-	-
Tennessee	Florida	-	-	-	-	-	-	-	-	-
Utah	Florida	-	-	-	-	-	-	-	-	-
Virginia	Florida	-	-	-	-	-	-	-	-	-
Virginia	Kentucky	-	-	-	-	-	W	-	-	-
Virginia	West Virginia	-	-	-	-	-	-	-	-	-
West Virginia	Alabama	W	-	-	-	-	-	-	-	-
West Virginia	Florida	W	W	W	-	-	W	W	W	W
West Virginia	Indiana	W	W	W	W	W	W	W	W	W
West Virginia	Kentucky	$5.04	$4.86	$4.28	$4.32	$4.68	$5.25	$7.27	$7.30	$7.24
West Virginia	Maryland	-	-	-	-	W	W	-	-	-
West Virginia	Michigan	-	-	-	-	-	-	-	-	-
West Virginia	Mississippi	-	-	-	-	-	W	-	-	-
West Virginia	New Hampshire	-	-	-	-	-	W	-	-	-
West Virginia	Ohio	$3.19	$3.05	$3.50	$3.42	$3.72	$3.74	$4.51	$4.75	$4.45
West Virginia	Pennsylvania	W	$2.30	$5.61	$7.39	W	$9.84	$11.92	W	W
West Virginia	Tennessee	-	-	-	-	-	W	W	-	-
West Virginia	Virginia	-	-	-	-	-	-	-	-	-
West Virginia	West Virginia	$4.18	$3.59	$3.75	$3.88	$4.43	$4.36	$5.58	$5.35	$5.43
Wyoming	Alabama	-	-	-	-	-	-	-	-	-
Wyoming	Illinois	W	-	-	-	-	-	-	-	-
Wyoming	Indiana	-	-	-	-	-	W	-	-	W
Wyoming	Iowa	-	-	-	-	-	-	-	-	-
Wyoming	Kentucky	-	-	-	-	-	-	W	W	-
Wyoming	Louisiana	-	-	-	-	W	-	-	-	-
Wyoming	Michigan	-	-	-	-	-	-	-	-	-
Wyoming	Mississippi	-	-	-	-	-	-	-	-	-
Wyoming	Ohio	-	W	-	-	-	-	-	-	-
Wyoming	Pennsylvania	-	-	-	-	-	-	-	-	-
Wyoming	Tennessee	-	-	-	-	-	-	-	-	-
Wyoming	Texas	W	-	-	-	-	-	-	-	-
Wyoming	West Virginia	-	-	-	-	-	-	-	-	-
Wyoming	Wisconsin	-	-	-	-	-	-	-	-	-

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.