

Table 23. Estimated rail transportation rates for coal, state to state, STB data

Origin State	Destination State	Nominal dollars per ton									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Alabama	Alabama	W	W	W	W	W	W	W	W	W	W	W
Alabama	Georgia	W	W	W	W	W	W	W	W	W	W	W
Alabama	Illinois	-	-	-	-	-	W	W	W	W	-	W
Colorado	Alabama	-	W	W	W	W	W	W	W	W	-	W
Colorado	Arizona	W	W	W	W	W	W	W	W	W	W	W
Colorado	Arkansas	-	-	-	-	W	W	W	W	-	-	-
Colorado	California	-	-	-	W	W	-	-	-	W	-	-
Colorado	Colorado	\$7.85	\$6.83	\$6.59	\$7.46	\$8.40	\$11.55	\$12.22	\$10.67	\$10.97	4.3	2.8
Colorado	Delaware	-	-	-	-	W	W	W	W	-	-	-
Colorado	Georgia	-	-	W	W	W	W	W	W	-	-	-
Colorado	Illinois	W	W	W	W	-	-	-	-	-	-	-
Colorado	Iowa	\$14.58	W	W	W	W	W	W	-	W	W	-
Colorado	Kansas	W	W	W	W	W	-	-	-	-	-	-
Colorado	Kentucky	W	W	W	W	W	W	W	W	W	W	W
Colorado	Massachusetts	-	-	-	W	W	-	-	-	-	-	-
Colorado	Michigan	-	-	-	W	-	-	-	-	-	-	-
Colorado	Minnesota	W	-	-	-	-	-	-	-	-	-	-
Colorado	Mississippi	W	W	W	W	W	W	W	W	W	W	W
Colorado	Missouri	W	W	-	-	W	-	-	-	-	-	-
Colorado	Nevada	-	W	W	W	W	W	W	W	W	-	W
Colorado	New York	W	-	-	-	W	W	-	-	-	-	-
Colorado	Ohio	-	-	-	W	W	-	-	-	-	-	-
Colorado	Oklahoma	-	W	-	W	W	W	W	W	W	-	W
Colorado	Tennessee	-	-	W	-	-	-	-	-	-	-	-
Colorado	Texas	W	W	W	W	W	W	W	W	-	-	-
Colorado	Utah	-	W	-	W	-	-	-	-	W	-	-
Colorado	Wisconsin	W	-	-	-	-	-	-	-	-	-	-
Illinois	Alabama	W	W	W	-	-	W	W	W	-	-	-
Illinois	Florida	W	W	W	W	W	W	W	W	W	W	W

Origin State	Destination State	Nominal dollars per ton									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Illinois	Georgia	-	-	W	W	W	W	-	-	-	-	-
Illinois	Illinois	\$4.33	\$4.59	W	W	W	W	W	W	W	W	W
Illinois	Indiana	W	W	W	W	W	W	W	W	W	W	W
Illinois	Iowa	W	W	W	W	W	W	W	W	W	W	W
Illinois	Kentucky	W	-	-	W	-	-	-	-	-	-	-
Illinois	Minnesota	W	W	W	W	W	W	W	-	-	-	-
Illinois	Missouri	W	W	W	W	W	W	-	-	W	W	-
Illinois	New York	-	-	-	-	W	-	-	-	-	-	-
Illinois	Wisconsin	W	W	W	W	W	W	W	W	W	W	W
Indiana	Illinois	W	-	-	-	-	-	-	-	-	-	-
Indiana	Indiana	W	W	W	W	\$5.60	\$3.34	\$3.40	\$3.49	\$3.08	W	-11.7
Indiana	Kentucky	-	-	-	W	-	-	-	-	-	-	-
Indiana	New York	-	-	-	W	-	-	-	-	-	-	-
Indiana	Wisconsin	-	W	W	W	W	W	-	-	-	-	-
Kentucky	Alabama	W	W	W	W	W	W	W	W	W	W	W
Kentucky	Delaware	W	W	\$20.75	W	W	W	W	\$20.89	W	W	W
Kentucky	Florida	\$20.89	\$20.04	\$20.63	\$19.76	\$22.24	\$23.10	\$21.83	\$33.87	\$33.48	6.1	-1.2
Kentucky	Georgia	\$13.14	\$14.98	\$19.18	\$17.96	\$15.18	\$16.12	\$24.60	\$23.10	\$24.39	8.0	5.6
Kentucky	Illinois	W	W	W	W	W	W	W	W	-	-	-
Kentucky	Indiana	W	W	W	-	-	W	W	W	-	-	-
Kentucky	Kentucky	W	W	W	W	\$6.81	\$7.84	\$9.09	\$6.87	\$6.21	W	-9.6
Kentucky	Maryland	W	W	-	W	W	-	W	W	W	W	W
Kentucky	Massachusetts	W	W	W	W	-	-	-	-	-	-	-
Kentucky	Michigan	\$10.11	\$10.63	\$10.47	\$15.08	\$14.52	\$16.67	\$15.65	\$14.70	\$14.92	5.0	1.5
Kentucky	Mississippi	W	W	W	W	W	W	W	W	-	-	-
Kentucky	Missouri	W	W	W	W	W	W	W	W	W	W	W
Kentucky	New Jersey	-	W	W	W	-	-	W	W	-	-	-
Kentucky	New York	\$15.21	W	W	W	W	W	W	W	W	W	W
Kentucky	North Carolina	\$13.68	\$16.82	\$17.43	\$15.98	\$19.59	\$20.76	\$21.03	\$23.41	\$22.98	6.7	-1.8
Kentucky	Ohio	\$12.31	\$12.32	W	\$14.44	\$15.39	W	\$23.15	\$19.20	\$16.49	3.7	-14.1
Kentucky	Pennsylvania	W	W	W	\$20.88	W	-	W	W	-	-	-

Origin State	Destination State	Nominal dollars per ton									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Kentucky	South Carolina	\$12.72	\$11.83	\$12.76	\$13.58	\$16.07	\$15.07	\$16.53	\$15.14	\$19.49	5.5	28.7
Kentucky	Tennessee	\$7.47	\$8.62	\$8.86	\$10.62	\$10.45	\$11.57	\$13.63	\$15.40	\$15.30	9.4	-0.6
Kentucky	Virginia	\$13.97	\$13.71	\$14.69	\$16.53	\$18.58	\$20.36	\$19.60	\$21.14	\$20.46	4.9	-3.2
Kentucky	West Virginia	-	-	-	W	W	W	W	W	-	-	-
Kentucky	Wisconsin	-	-	W	W	W	W	W	W	-	-	-
Maryland	Maryland	W	-	-	-	-	-	-	-	W	W	-
Maryland	New York	W	-	-	-	-	-	-	-	-	-	-
Maryland	West Virginia	-	-	-	-	W	W	-	-	-	-	-
Montana	Arizona	W	W	W	W	W	W	W	W	W	W	W
Montana	Illinois	W	W	W	W	-	-	-	-	-	-	-
Montana	Indiana	W	W	W	W	W	W	W	W	W	W	W
Montana	Iowa	-	W	W	-	-	W	-	-	-	-	-
Montana	Kansas	-	-	W	W	W	-	-	-	-	-	-
Montana	Massachusetts	-	-	-	-	W	-	-	-	-	-	-
Montana	Minnesota	\$11.14	\$11.04	\$11.41	\$10.80	\$11.47	\$11.64	\$13.81	\$14.94	\$15.62	4.3	4.5
Montana	New Hampshire	W	-	-	-	-	-	-	-	-	-	-
Montana	North Dakota	W	W	W	W	W	W	W	W	W	W	W
Montana	Ohio	-	-	-	-	-	W	W	W	W	-	W
Montana	South Dakota	-	-	-	-	-	W	-	-	-	-	-
Montana	Texas	-	-	-	-	-	-	-	W	-	-	-
Montana	Washington	W	W	W	W	W	W	W	W	W	W	W
New Mexico	Arizona	\$6.40	W	\$7.40	W	W	W	\$7.61	W	W	W	W
New Mexico	California	-	-	W	W	W	W	-	-	-	-	-
New Mexico	Colorado	-	-	-	-	-	-	W	W	W	-	W
North Dakota	North Dakota	W	W	W	W	W	W	W	W	W	W	W
Ohio	Delaware	-	-	W	W	W	-	W	W	-	-	-
Ohio	Indiana	W	-	-	-	W	W	-	-	-	-	-
Ohio	New York	-	-	W	W	W	-	W	-	-	-	-
Ohio	Ohio	W	W	W	W	W	W	-	W	-	-	-
Ohio	Pennsylvania	-	-	-	W	-	W	-	W	-	-	-
Ohio	West Virginia	W	W	-	-	-	W	W	-	-	-	-

Origin State	Destination State	Nominal dollars per ton									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Pennsylvania	Delaware	W	W	\$15.50	\$13.52	-	-	-	-	-	-	-
Pennsylvania	Florida	W	W	-	W	-	W	W	-	W	W	-
Pennsylvania	Illinois	W	W	-	-	-	-	-	-	-	-	-
Pennsylvania	Indiana	-	-	-	-	-	W	W	W	W	-	W
Pennsylvania	Kentucky	-	-	W	W	-	-	-	-	-	-	-
Pennsylvania	Maryland	\$11.46	\$10.66	W	W	\$15.15	\$15.38	W	\$21.73	W	W	W
Pennsylvania	Massachusetts	W	W	-	-	-	-	-	-	-	-	-
Pennsylvania	Michigan	W	W	W	W	W	W	W	W	W	W	W
Pennsylvania	New Hampshire	W	W	W	W	W	W	W	W	W	W	W
Pennsylvania	New Jersey	W	W	W	W	W	W	W	W	W	W	W
Pennsylvania	New York	\$13.11	\$11.94	\$13.24	\$13.30	\$19.60	\$19.86	\$24.20	W	\$23.48	7.6	W
Pennsylvania	North Carolina	-	-	-	-	-	-	-	-	W	-	-
Pennsylvania	Ohio	W	\$7.65	\$6.36	\$10.64	W	\$13.34	\$14.61	\$13.05	\$11.24	W	-13.9
Pennsylvania	Pennsylvania	\$9.31	\$13.78	\$12.39	\$12.02	\$11.20	\$13.66	\$13.39	\$14.32	\$13.80	5.0	-3.6
Pennsylvania	South Carolina	-	-	W	W	W	W	W	W	W	-	W
Pennsylvania	Virginia	W	W	-	-	-	-	-	-	W	W	-
Pennsylvania	West Virginia	-	-	-	W	W	W	W	W	W	-	W
Pennsylvania	Wisconsin	W	-	-	-	-	-	-	-	W	W	-
Tennessee	Alabama	-	-	W	W	W	W	-	-	-	-	-
Tennessee	Georgia	W	W	W	W	W	W	W	W	W	W	W
Tennessee	North Carolina	-	-	-	W	-	W	W	W	W	-	W
Tennessee	South Carolina	W	W	W	W	W	W	W	W	W	W	W
Tennessee	Tennessee	-	-	-	W	W	-	-	W	W	-	W
Tennessee	Virginia	-	-	-	W	-	-	-	-	-	-	-
Texas	Texas	-	W	W	W	W	W	W	W	W	-	W
Utah	Alabama	-	-	-	-	-	-	-	W	W	-	W
Utah	California	W	W	W	W	W	W	W	W	W	W	W
Utah	Colorado	-	-	-	-	-	-	-	W	W	-	W
Utah	Idaho	W	W	W	W	W	W	W	-	W	W	-
Utah	Iowa	W	W	-	W	W	-	-	-	-	-	-
Utah	Kentucky	W	-	-	-	-	W	-	W	W	W	W

Origin State	Destination State	Nominal dollars per ton									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Utah	Minnesota	W	-	-	-	-	-	-	-	-	-	-
Utah	Missouri	W	W	W	W	W	W	W	W	-	-	-
Utah	Nebraska	-	W	-	-	-	-	-	W	-	-	-
Utah	Nevada	W	W	W	W	W	W	W	W	W	W	W
Utah	New Jersey	W	-	-	-	-	-	-	-	-	-	-
Utah	New York	-	-	W	-	-	-	-	-	-	-	-
Utah	Ohio	-	-	W	-	-	-	-	-	-	-	-
Utah	Oregon	W	W	W	W	-	-	-	-	-	-	-
Utah	Utah	W	W	W	W	W	W	W	W	W	W	W
Utah	Washington	W	W	W	-	-	-	-	-	-	-	-
Utah	Wisconsin	W	W	W	-	W	-	-	-	-	-	-
Virginia	Alabama	W	W	-	-	-	W	-	W	W	W	W
Virginia	Delaware	W	W	W	W	W	W	W	W	W	W	W
Virginia	Florida	-	W	-	W	-	W	W	-	W	-	-
Virginia	Georgia	\$12.29	\$13.37	\$16.98	\$26.65	\$27.78	\$30.83	\$30.81	\$24.68	\$25.91	9.8	5.0
Virginia	Indiana	W	W	W	-	-	-	-	W	-	-	-
Virginia	Kentucky	-	-	-	-	W	-	-	-	-	-	-
Virginia	Maine	-	-	-	-	W	-	-	-	-	-	-
Virginia	Maryland	W	W	W	W	W	W	-	-	-	-	-
Virginia	Michigan	-	-	W	-	-	W	-	-	W	-	-
Virginia	Mississippi	W	W	W	W	W	W	W	W	W	W	W
Virginia	New Hampshire	W	W	W	W	W	W	W	W	W	W	W
Virginia	New York	-	-	-	-	W	W	-	-	-	-	-
Virginia	North Carolina	\$12.23	\$14.52	\$14.61	\$17.28	\$21.59	\$26.24	\$28.43	\$26.41	\$23.43	8.5	-11.3
Virginia	Ohio	W	W	\$9.18	-	W	-	-	W	-	-	-
Virginia	Oklahoma	-	-	-	-	-	-	-	W	-	-	-
Virginia	Pennsylvania	W	W	W	W	-	-	-	W	-	-	-
Virginia	South Carolina	\$10.45	\$15.66	W	W	W	\$25.81	W	W	W	W	W
Virginia	Tennessee	\$6.30	\$5.77	\$6.26	\$9.30	\$10.28	\$9.62	\$13.66	\$11.48	\$11.28	7.5	-1.7
Virginia	Virginia	\$10.19	\$10.11	\$13.58	\$21.71	\$26.86	\$32.44	\$31.65	\$23.55	\$18.81	8.0	-20.1
Virginia	West Virginia	-	-	-	W	W	-	-	-	-	-	-

Origin State	Destination State	Nominal dollars per ton									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Virginia	Wisconsin	W	-	-	-	-	-	-	-	-	-	-
West Virginia	Alabama	-	W	W	W	W	W	-	W	W	-	W
West Virginia	Delaware	\$18.21	W	W	\$20.31	\$22.62	\$24.64	\$28.09	\$23.85	\$23.48	3.2	-1.5
West Virginia	Florida	\$20.28	\$19.51	\$20.42	\$21.70	\$23.56	\$28.39	\$26.19	\$30.65	\$30.75	5.3	0.3
West Virginia	Georgia	\$16.27	\$16.20	\$19.32	\$19.56	W	W	W	\$28.14	\$27.46	6.8	-2.4
West Virginia	Illinois	-	W	-	-	W	-	-	-	-	-	-
West Virginia	Indiana	W	W	W	W	\$18.33	\$14.52	W	W	W	W	W
West Virginia	Kentucky	W	W	W	W	W	W	W	W	W	W	W
West Virginia	Maryland	\$9.49	\$9.85	\$10.70	\$11.69	\$10.37	\$13.09	\$14.86	\$19.16	\$19.63	9.5	2.5
West Virginia	Massachusetts	W	-	-	-	-	-	-	-	-	-	-
West Virginia	Michigan	\$12.12	\$12.20	\$12.07	\$11.85	\$11.37	\$12.35	\$11.90	\$14.62	\$13.90	1.7	-4.9
West Virginia	Mississippi	-	W	-	-	W	-	-	W	W	-	W
West Virginia	Missouri	-	-	-	-	-	W	-	-	-	-	-
West Virginia	New Hampshire	W	W	-	W	W	W	W	W	W	W	W
West Virginia	New Jersey	W	\$18.18	\$19.23	\$22.55	W	W	W	W	W	W	W
West Virginia	New York	\$16.17	\$16.08	\$13.84	\$15.67	\$17.04	\$20.21	\$20.45	\$19.62	\$21.77	3.8	10.9
West Virginia	North Carolina	\$12.64	\$17.28	\$18.99	\$19.42	\$22.22	\$26.54	\$28.00	\$25.08	\$22.21	7.3	-11.4
West Virginia	Ohio	\$10.20	\$10.32	\$10.93	\$11.20	\$11.89	\$11.36	\$12.04	W	W	W	W
West Virginia	Pennsylvania	\$12.52	\$12.71	\$14.12	\$15.33	\$17.72	\$19.11	\$22.91	\$16.46	\$15.54	2.7	-5.6
West Virginia	South Carolina	\$15.73	\$16.86	\$15.57	\$17.97	\$22.28	\$19.80	\$17.34	\$15.70	\$19.71	2.9	25.6
West Virginia	Tennessee	W	W	W	W	\$11.11	W	W	W	W	W	W
West Virginia	Virginia	\$14.44	\$13.24	\$14.57	\$16.79	\$19.33	\$19.21	\$18.03	\$18.13	\$18.21	2.9	0.4
West Virginia	West Virginia	\$4.78	\$4.22	\$4.55	\$4.82	\$5.16	\$5.96	\$5.10	\$7.52	\$8.25	7.0	9.7
Wyoming	Alabama	W	W	W	W	W	W	W	W	W	W	W
Wyoming	Arizona	W	W	W	W	W	W	W	W	W	W	W
Wyoming	Arkansas	W	W	W	\$15.18	W	W	W	W	W	W	W
Wyoming	Colorado	\$7.64	\$7.70	\$8.18	\$7.87	\$8.13	\$9.56	\$10.18	\$9.89	\$10.95	4.6	10.7
Wyoming	Delaware	-	-	-	W	W	W	-	-	-	-	-
Wyoming	Georgia	-	-	-	W	W	-	-	-	-	-	-
Wyoming	Idaho	W	W	W	W	W	W	W	W	W	W	W
Wyoming	Illinois	\$11.85	\$12.38	\$23.43	\$9.62	\$11.21	\$12.19	\$12.45	\$13.85	\$14.84	2.9	7.2

Origin State	Destination State	Nominal dollars per ton									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Wyoming	Indiana	W	-	-	-	W	W	W	W	W	W	W
Wyoming	Iowa	\$8.56	\$8.64	\$8.10	\$9.31	\$8.52	\$8.25	\$8.30	\$8.87	\$8.88	0.4	0.1
Wyoming	Kansas	\$15.15	\$14.38	\$13.90	\$14.76	\$14.97	\$15.44	\$15.51	\$13.94	\$13.60	-1.3	-2.5
Wyoming	Kentucky	W	W	W	W	W	W	W	W	W	W	W
Wyoming	Louisiana	W	W	W	W	W	W	W	W	W	W	W
Wyoming	Maryland	-	-	-	-	-	-	-	W	W	-	W
Wyoming	Michigan	-	W	W	\$5.39	\$6.26	\$7.12	\$7.06	\$20.87	\$20.20	-	-3.2
Wyoming	Minnesota	\$10.25	\$10.74	\$11.40	\$12.50	\$12.78	\$13.24	\$20.32	\$19.30	\$17.85	7.2	-7.5
Wyoming	Mississippi	-	-	-	W	W	W	W	W	W	-	W
Wyoming	Missouri	\$11.21	\$9.96	\$9.69	\$9.98	\$10.97	\$10.89	\$13.37	\$13.69	\$12.69	1.6	-7.3
Wyoming	Montana	W	W	W	W	W	W	W	W	W	W	W
Wyoming	Nebraska	\$6.05	\$5.74	\$5.89	\$6.96	\$7.20	\$7.64	\$7.88	\$7.36	\$7.96	3.5	8.2
Wyoming	Nevada	W	-	W	W	W	W	W	W	W	W	W
Wyoming	New Jersey	-	-	-	W	W	W	W	W	-	-	-
Wyoming	New York	-	W	W	W	W	\$36.42	W	W	W	-	W
Wyoming	North Carolina	-	-	-	-	-	-	-	W	-	-	-
Wyoming	North Dakota	W	W	W	W	W	W	W	W	W	W	W
Wyoming	Ohio	-	-	-	W	W	W	W	\$33.29	\$33.81	-	1.6
Wyoming	Oklahoma	\$12.40	\$10.65	\$9.63	\$11.94	\$12.03	\$12.73	\$13.57	\$13.52	\$17.41	4.3	28.8
Wyoming	Oregon	W	-	-	W	-	-	-	-	-	-	-
Wyoming	South Dakota	W	W	W	W	W	W	W	W	W	W	W
Wyoming	Texas	\$15.46	\$15.43	\$14.40	\$14.49	\$14.88	\$15.00	\$15.54	\$15.74	\$15.83	0.3	0.6
Wyoming	Utah	-	-	-	W	W	W	-	W	W	-	W
Wyoming	Washington	-	-	-	-	-	W	W	W	W	-	W
Wyoming	Wisconsin	\$12.88	\$12.81	\$12.07	\$12.88	\$14.25	\$15.99	\$18.05	\$18.43	\$18.59	4.7	0.9
Wyoming	Wyoming	\$3.20	\$3.17	\$3.41	\$4.17	\$5.91	\$6.76	\$7.43	\$6.95	\$5.21	6.3	-25.0

- = No waybills sampled

W = Data Withheld

Source: The Surface Transportation Board's 900-Byte Carload Waybill Sample