

Table 20. Estimated rail transportation rates for coal, state to state, 2009
comparison of EIA and STB data

Origin State	Destination State	Transportation cost per short ton (nominal)		Percent difference EIA vs. STB	Total delivered cost per short ton (nominal) EIA	Percent transportation cost is of total delivered cost EIA	Shipments (1,000 short tons) EIA	Shipments with transportation rates over total shipments (percent)	
		STB	EIA					STB	EIA
Alabama	Alabama	W	\$13.59	W	\$63.63	21.4%	3,612	W	100.0%
Alabama	Georgia	W	\$19.58	W	\$82.89	23.6%	538	W	99.9%
Alabama	Illinois	W	-	-	-	-	-	-	-
Alabama	Kentucky	-	W	-	W	W	W	-	W
Alabama	Pennsylvania	-	W	-	W	W	W	-	W
Arizona	Arizona	-	W	-	W	W	W	-	W
Colorado	Alabama	W	\$30.35	W	\$70.84	42.8%	905	W	95.3%
Colorado	Arizona	W	W	W	W	W	W	W	W
Colorado	California	W	\$37.53	W	\$83.78	44.8%	64	W	100.0%
Colorado	Colorado	\$10.97	\$8.47	-22.8%	\$39.81	21.3%	6,665	49.1%	97.2%
Colorado	Indiana	-	W	-	W	W	W	-	W
Colorado	Iowa	W	-	-	-	-	-	-	-
Colorado	Kentucky	W	\$21.37	W	\$61.79	34.6%	1,760	W	100.0%
Colorado	Michigan	-	\$46.69	-	\$83.89	55.7%	506	-	91.3%
Colorado	Mississippi	W	\$42.82	W	\$75.97	56.4%	1,660	W	54.1%
Colorado	Nevada	W	\$23.80	W	\$55.57	42.8%	468	W	100.0%
Colorado	Oklahoma	W	W	W	W	W	W	W	W
Colorado	Tennessee	-	\$23.13	-	\$69.24	33.4%	1,211	-	100.0%
Colorado	Utah	W	W	W	W	W	W	W	W
Colorado	Virginia	-	W	-	W	W	W	-	W
Colorado	Wisconsin	-	\$53.51	-	\$90.52	59.1%	657	-	100.0%
Illinois	Alabama	-	W	-	W	W	W	-	W
Illinois	Florida	W	W	W	W	W	W	W	W

Origin State	Destination State	Transportation cost per short ton (nominal)		Percent difference EIA vs. STB	Total delivered cost per short ton (nominal) EIA	Percent transportation cost is of total delivered cost EIA	Shipments (1,000 short tons) EIA	Shipments with transportation rates over total shipments (percent)	
		STB	EIA					STB	EIA
Illinois	Illinois	W	W	W	W	W	W	W	W
Illinois	Indiana	W	\$12.60	W	\$53.38	23.6%	4,182	W	81.2%
Illinois	Iowa	W	-	-	-	-	-	-	-
Illinois	Michigan	-	\$4.79	-	\$63.91	7.5%	51	-	99.3%
Illinois	Missouri	W	-	-	-	-	-	-	-
Illinois	Wisconsin	W	W	W	W	W	W	W	W
Indiana	Alabama	-	W	-	W	W	W	-	W
Indiana	Georgia	-	\$32.16	-	\$91.66	35.1%	297	-	99.9%
Indiana	Indiana	\$3.09	\$3.54	14.8%	\$39.40	9.0%	20,253	17.3%	98.7%
Indiana	Kentucky	-	W	-	W	W	W	-	W
Indiana	Minnesota	-	W	-	W	W	W	-	W
Indiana	Tennessee	-	W	-	W	W	W	-	W
Indiana	Wisconsin	-	\$28.30	-	\$94.80	29.8%	6	-	91.7%
Kentucky	Alabama	W	\$13.94	W	\$62.96	22.1%	2,376	W	99.6%
Kentucky	Delaware	W	W	W	W	W	W	W	W
Kentucky	Florida	\$33.48	\$32.06	-4.2%	\$85.75	37.4%	7,228	25.8%	100.0%
Kentucky	Georgia	\$24.40	\$22.80	-6.6%	\$108.56	21.0%	15,488	35.8%	99.5%
Kentucky	Indiana	-	W	-	W	W	W	-	W
Kentucky	Kentucky	\$6.21	\$7.79	25.4%	\$49.59	15.7%	9,212	25.8%	99.1%
Kentucky	Maryland	W	\$23.69	W	\$87.14	27.2%	600	W	96.9%
Kentucky	Michigan	\$14.92	\$16.31	9.3%	\$66.88	24.4%	3,598	44.6%	90.2%
Kentucky	Mississippi	-	W	-	W	W	W	-	W
Kentucky	Missouri	W	\$24.82	W	\$79.95	31.0%	106	W	100.0%
Kentucky	New York	W	W	W	W	W	W	W	W
Kentucky	North Carolina	\$22.99	\$21.61	-6.0%	\$84.20	25.7%	8,461	39.4%	99.1%
Kentucky	Ohio	\$16.49	W	W	W	W	W	100.0%	W

Origin State	Destination State	Transportation cost per short ton (nominal)		Percent difference EIA vs. STB	Total delivered cost per short ton (nominal) EIA	Percent transportation cost is of total delivered cost EIA	Shipments (1,000 short tons) EIA	Shipments with transportation rates over total shipments (percent)	
		STB	EIA					STB	EIA
Kentucky	Pennsylvania	-	W	-	W	W	W	-	W
Kentucky	South Carolina	\$19.49	\$18.35	-5.9%	\$93.13	19.7%	11,362	32.7%	100.0%
Kentucky	Tennessee	\$15.31	\$13.18	-13.9%	\$75.69	17.4%	2,294	16.6%	99.9%
Kentucky	Virginia	\$20.46	\$17.91	-12.5%	\$81.69	21.9%	4,554	37.5%	99.3%
Maryland	Maryland	W	W	W	W	W	W	W	W
Montana	Arizona	W	\$21.49	W	\$31.71	67.8%	634	W	100.0%
Montana	Colorado	-	W	-	W	W	W	-	W
Montana	Indiana	W	\$30.79	W	\$44.33	69.4%	794	W	100.0%
Montana	Michigan	-	\$12.08	-	\$25.19	47.9%	9,940	-	98.3%
Montana	Minnesota	\$15.62	\$15.73	0.7%	\$27.22	57.8%	9,725	50.6%	85.6%
Montana	New York	-	\$35.89	-	\$56.55	63.5%	198	-	100.0%
Montana	North Dakota	W	W	W	W	W	W	W	W
Montana	Ohio	W	\$39.98	W	\$56.61	70.6%	387	W	99.9%
Montana	Oregon	-	W	-	W	W	W	-	W
Montana	Pennsylvania	-	\$39.71	-	\$54.00	73.5%	146	-	99.7%
Montana	Washington	W	W	W	W	W	W	W	W
Montana	Wisconsin	-	W	-	W	W	W	-	W
New Mexico	Arizona	W	\$9.83	W	\$36.02	27.3%	8,625	W	100.0%
New Mexico	Colorado	W	-	-	-	-	-	-	-
North Dakota	North Dakota	W	\$4.09	W	\$16.67	24.5%	3,587	W	100.0%
Ohio	Michigan	-	\$14.16	-	\$65.94	21.5%	123	-	100.0%
Ohio	North Carolina	-	W	-	W	W	W	-	W
Ohio	Ohio	-	W	-	W	W	W	-	W
Ohio	Pennsylvania	-	\$21.65	-	\$66.41	32.6%	743	-	100.0%
Pennsylvania	Florida	W	\$38.51	W	\$140.84	27.3%	134	W	100.0%
Pennsylvania	Georgia	-	W	-	W	W	W	-	W

Origin State	Destination State	Transportation cost per short ton (nominal)		Percent difference EIA vs. STB	Total delivered cost per short ton (nominal) EIA	Percent transportation cost is of total delivered cost EIA	Shipments (1,000 short tons) EIA	Shipments with transportation rates over total shipments (percent)	
		STB	EIA					STB	EIA
Pennsylvania	Indiana	W	\$15.46	W	\$67.99	22.7%	950	W	79.6%
Pennsylvania	Maryland	W	\$20.35	W	\$77.31	26.3%	2,883	W	99.0%
Pennsylvania	Michigan	W	\$12.79	W	\$60.68	21.1%	380	W	100.0%
Pennsylvania	New Hampshire	W	\$39.83	W	\$96.14	41.4%	548	W	99.9%
Pennsylvania	New Jersey	W	\$32.44	W	\$89.13	36.4%	629	W	80.6%
Pennsylvania	New York	\$23.49	\$24.01	2.2%	\$60.14	39.9%	763	57.7%	74.9%
Pennsylvania	North Carolina	W	W	W	W	W	W	W	W
Pennsylvania	Ohio	\$11.24	\$11.14	-0.9%	\$66.38	16.8%	2,777	48.3%	98.0%
Pennsylvania	Pennsylvania	\$13.80	\$12.75	-7.6%	\$66.79	19.1%	15,022	37.2%	96.1%
Pennsylvania	South Carolina	W	\$13.97	W	\$80.82	17.3%	2,912	W	96.6%
Pennsylvania	Virginia	W	\$22.27	W	\$90.30	24.7%	140	W	100.0%
Pennsylvania	West Virginia	W	\$9.47	W	\$66.88	14.2%	1,183	W	98.5%
Pennsylvania	Wisconsin	W	W	W	W	W	W	W	W
Tennessee	Alabama	-	W	-	W	W	W	-	W
Tennessee	Georgia	W	\$24.23	W	\$104.84	23.1%	1,078	W	100.0%
Tennessee	North Carolina	W	-	-	-	-	-	-	-
Tennessee	South Carolina	W	-	-	-	-	-	-	-
Tennessee	Tennessee	W	W	W	W	W	W	W	W
Texas	Texas	W	-	-	-	-	-	-	-
Utah	Alabama	W	\$27.46	W	\$69.59	39.5%	653	W	97.9%
Utah	California	W	\$32.51	W	\$72.02	45.1%	818	W	82.2%
Utah	Colorado	W	-	-	-	-	-	-	-
Utah	Idaho	W	-	-	-	-	-	-	-
Utah	Kentucky	W	W	W	W	W	W	W	W
Utah	Missouri	-	\$29.15	-	\$104.21	28.0%	326	-	100.0%
Utah	Nebraska	-	W	-	W	W	W	-	W

Origin State	Destination State	Transportation cost per short ton (nominal)		Percent difference EIA vs. STB	Total delivered cost per short ton (nominal) EIA	Percent transportation cost is of total delivered cost EIA	Shipments (1,000 short tons) EIA	Shipments with transportation rates over total shipments (percent)	
		STB	EIA					STB	EIA
Utah	Nevada	W	\$14.24	W	\$51.35	27.7%	1,771	W	100.0%
Utah	Tennessee	-	\$24.95	-	\$70.00	35.6%	525	-	100.0%
Utah	Utah	W	-	-	-	-	-	-	-
Utah	Wisconsin	-	W	-	W	W	W	-	W
Virginia	Alabama	W	W	W	W	W	W	W	W
Virginia	Delaware	W	-	-	-	-	-	-	-
Virginia	Florida	W	\$24.34	W	\$117.73	20.7%	294	W	100.0%
Virginia	Georgia	\$25.92	\$24.61	-5.0%	\$109.76	22.4%	1,592	96.0%	95.3%
Virginia	Maryland	-	W	-	W	W	W	-	W
Virginia	Michigan	W	-	-	-	-	-	-	-
Virginia	Mississippi	W	\$23.71	W	\$85.95	27.6%	869	W	100.0%
Virginia	New Hampshire	W	W	W	W	W	W	W	W
Virginia	New Jersey	-	\$28.14	-	\$113.04	24.9%	305	-	98.2%
Virginia	North Carolina	\$23.44	\$19.39	-17.3%	\$94.34	20.6%	1,158	41.4%	98.0%
Virginia	Ohio	-	\$11.82	-	\$172.07	6.9%	381	-	99.9%
Virginia	South Carolina	W	\$11.66	W	\$67.82	17.2%	186	W	99.8%
Virginia	Tennessee	\$11.28	\$9.66	-14.4%	\$78.76	12.3%	187	100.0%	100.0%
Virginia	Virginia	\$18.82	\$10.15	-46.1%	\$62.10	16.3%	1,894	50.1%	100.0%
West Virginia	Alabama	W	W	W	W	W	W	W	W
West Virginia	Delaware	\$23.48	W	W	W	W	W	47.5%	W
West Virginia	Florida	\$30.75	\$28.14	-8.5%	\$90.01	31.3%	2,252	38.7%	100.0%
West Virginia	Georgia	\$27.46	\$25.41	-7.5%	\$105.77	24.0%	2,051	51.2%	100.0%
West Virginia	Indiana	W	\$16.83	W	\$58.55	28.7%	1,005	W	72.8%
West Virginia	Kentucky	W	\$8.74	W	\$70.83	12.3%	241	W	100.0%
West Virginia	Maryland	\$19.63	\$21.76	10.9%	\$77.51	28.1%	5,339	5.6%	98.5%
West Virginia	Massachusetts	-	\$11.34	-	\$86.23	13.2%	1,138	-	26.1%

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		STB	EIA					STB	EIA
West Virginia	Michigan	\$13.91	\$17.20	23.7%	\$102.12	16.8%	2,135	31.7%	96.2%
West Virginia	Mississippi	W	W	W	W	W	W	W	W
West Virginia	New Hampshire	W	\$41.45	W	\$86.42	48.0%	151	W	100.0%
West Virginia	New Jersey	W	W	W	W	W	W	W	W
West Virginia	New York	\$21.78	\$17.03	-21.8%	\$59.13	28.8%	1,649	48.5%	97.6%
West Virginia	North Carolina	\$22.21	\$19.63	-11.6%	\$90.28	21.7%	18,292	35.8%	99.7%
West Virginia	Ohio	W	\$11.59	W	\$93.02	12.5%	1,522	W	96.0%
West Virginia	Pennsylvania	\$15.55	\$16.49	6.1%	\$69.58	23.7%	3,510	53.9%	100.0%
West Virginia	South Carolina	\$19.72	\$23.35	18.4%	\$86.99	26.8%	1,919	40.5%	100.0%
West Virginia	Tennessee	W	\$10.14	W	\$79.48	12.8%	574	W	100.0%
West Virginia	Virginia	\$18.21	\$18.53	1.7%	\$78.86	23.5%	2,217	41.3%	93.8%
West Virginia	West Virginia	\$8.25	\$8.87	7.5%	\$67.49	13.1%	1,481	100.0%	91.7%
Wyoming	Alabama	W	\$18.81	W	\$30.57	61.5%	12,308	W	99.8%
Wyoming	Arizona	W	\$19.35	W	\$31.25	61.9%	4,996	W	93.6%
Wyoming	Arkansas	W	\$17.91	W	\$29.37	61.0%	14,387	W	91.0%
Wyoming	Colorado	\$10.96	\$11.38	3.8%	\$22.01	51.7%	7,976	48.8%	100.0%
Wyoming	Georgia	-	\$24.16	-	\$34.39	70.2%	13,512	-	100.0%
Wyoming	Idaho	W	-	-	-	-	-	-	-
Wyoming	Illinois	\$14.85	\$14.71	-0.9%	\$27.92	52.7%	47,388	35.3%	96.9%
Wyoming	Indiana	W	\$19.99	W	\$33.92	58.9%	18,648	W	61.6%
Wyoming	Iowa	\$8.88	\$9.72	9.4%	\$20.00	48.6%	21,626	60.8%	99.7%
Wyoming	Kansas	\$13.60	\$13.15	-3.3%	\$24.14	54.5%	20,015	29.9%	99.7%
Wyoming	Kentucky	W	\$18.74	W	\$32.17	58.3%	1,812	W	100.0%
Wyoming	Louisiana	W	\$30.66	W	\$44.06	69.6%	13,273	W	31.4%
Wyoming	Maryland	W	W	W	W	W	W	W	W
Wyoming	Michigan	\$20.21	\$18.57	-8.1%	\$32.39	57.3%	18,647	20.6%	99.4%

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		STB	EIA					STB	EIA
Wyoming	Minnesota	\$17.85	\$18.11	1.4%	\$31.74	57.1%	7,026	37.9%	95.6%
Wyoming	Mississippi	W	\$30.07	W	\$45.72	65.8%	1,366	W	82.5%
Wyoming	Missouri	\$12.69	\$12.79	0.8%	\$25.11	51.0%	40,694	49.0%	100.0%
Wyoming	Montana	W	\$10.54	W	\$20.04	52.6%	702	W	99.9%
Wyoming	Nebraska	\$7.97	\$9.92	24.4%	\$22.77	43.5%	13,940	36.0%	97.1%
Wyoming	Nevada	W	\$24.19	W	\$39.89	60.6%	1,822	W	100.0%
Wyoming	New York	W	-	-	-	-	-	-	-
Wyoming	North Dakota	W	W	W	W	W	W	W	W
Wyoming	Ohio	\$33.82	\$25.67	-24.1%	\$39.32	65.3%	5,954	22.9%	75.7%
Wyoming	Oklahoma	\$17.41	\$18.22	4.6%	\$29.30	62.2%	20,724	45.3%	85.0%
Wyoming	Oregon	-	W	-	W	W	W	-	W
Wyoming	South Dakota	W	\$20.23	W	\$30.66	66.0%	2,051	W	100.0%
Wyoming	Tennessee	-	\$21.39	-	\$36.52	58.6%	6,302	-	93.1%
Wyoming	Texas	\$15.84	\$14.39	-9.1%	\$27.44	52.5%	62,022	48.6%	66.9%
Wyoming	Utah	W	-	-	-	-	-	-	-
Wyoming	Washington	W	\$25.57	W	\$35.82	71.4%	3,076	W	100.0%
Wyoming	West Virginia	-	W	-	W	W	W	-	W
Wyoming	Wisconsin	\$18.59	\$19.39	4.3%	\$32.59	59.5%	20,841	30.7%	99.1%
Wyoming	Wyoming	\$5.22	\$5.61	7.5%	\$16.40	34.2%	13,674	51.7%	96.0%

- = No data reported or value not applicable

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

EIA Data Source: Form EIA-923 Power Plant Operations Report