

Table 22. Estimated rail transportation rates for coal, basin to state, 2009
comparison of EIA and STB data

Origin Basin	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
Northern Appalachian Basin	Florida	W	\$38.51	W	\$140.84	27.3%	134	W	100.0%
Northern Appalachian Basin	Georgia	-	W	-	W	W	W	-	W
Northern Appalachian Basin	Indiana	W	\$16.14	W	\$63.35	25.5%	1,681	W	88.5%
Northern Appalachian Basin	Maryland	\$20.69	\$19.60	-5.3%	\$74.23	26.4%	4,845	31.9%	97.7%
Northern Appalachian Basin	Michigan	\$13.74	\$16.13	17.4%	\$99.82	16.2%	840	32.1%	100.0%
Northern Appalachian Basin	New Hampshire	W	\$40.18	W	\$94.03	42.7%	699	W	100.0%
Northern Appalachian Basin	New Jersey	W	\$32.44	W	\$89.13	36.4%	1,064	W	47.6%
Northern Appalachian Basin	New York	\$21.87	\$18.86	-13.8%	\$59.40	31.7%	2,373	49.3%	91.9%
Northern Appalachian Basin	North Carolina	\$24.40	\$21.94	-10.1%	\$66.92	32.8%	1,797	47.2%	99.8%
Northern Appalachian Basin	Ohio	\$11.15	\$10.95	-1.8%	\$70.01	15.6%	3,644	51.7%	94.7%
Northern Appalachian Basin	Pennsylvania	\$14.08	\$16.15	14.7%	\$68.48	23.6%	18,985	38.6%	55.2%
Northern Appalachian Basin	South Carolina	W	\$13.98	W	\$80.48	17.4%	2,950	W	96.7%
Northern Appalachian Basin	Virginia	W	\$22.30	W	\$86.51	25.8%	163	W	100.0%
Northern Appalachian Basin	West Virginia	W	\$8.98	W	\$70.23	12.8%	1,809	W	92.2%
Northern Appalachian Basin	Wisconsin	W	W	W	W	W	W	W	W
Central Appalachian Basin	Alabama	W	\$24.14	W	\$107.12	22.5%	973	W	87.0%
Central Appalachian Basin	Delaware	\$23.57	\$14.69	-37.7%	\$69.95	21.0%	1,417	43.0%	14.2%
Central Appalachian Basin	Florida	\$28.31	\$26.59	-6.1%	\$87.13	30.5%	7,235	28.3%	100.0%
Central Appalachian Basin	Georgia	\$25.09	\$23.27	-7.2%	\$108.36	21.5%	20,119	41.5%	99.0%
Central Appalachian Basin	Indiana	W	W	W	W	W	W	W	W
Central Appalachian Basin	Kentucky	W	\$13.16	W	\$75.75	17.4%	2,864	W	100.0%
Central Appalachian Basin	Maryland	\$24.19	\$23.54	-2.6%	\$82.62	28.5%	4,021	8.0%	99.5%
Central Appalachian Basin	Massachusetts	-	\$11.34	-	\$86.23	13.2%	1,138	-	26.1%

Origin Basin	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
Central Appalachian Basin	Michigan	\$14.62	\$16.39	12.1%	\$75.40	21.7%	5,397	40.6%	92.0%
Central Appalachian Basin	Mississippi	W	\$21.30	W	\$85.94	24.8%	1,294	W	90.2%
Central Appalachian Basin	Missouri	W	\$37.60	W	\$125.23	30.0%	42	W	98.9%
Central Appalachian Basin	New Hampshire	W	W	W	W	W	W	W	W
Central Appalachian Basin	New Jersey	-	\$28.55	-	\$111.10	25.7%	328	-	98.1%
Central Appalachian Basin	New York	\$25.18	W	W	W	W	W	100.0%	W
Central Appalachian Basin	North Carolina	\$22.53	\$20.11	-10.7%	\$90.10	22.3%	26,193	36.1%	99.3%
Central Appalachian Basin	Ohio	\$11.47	\$11.86	3.4%	\$120.30	9.9%	1,265	45.0%	98.3%
Central Appalachian Basin	Pennsylvania	W	\$21.51	W	\$63.54	33.8%	301	W	100.0%
Central Appalachian Basin	South Carolina	\$20.12	\$18.98	-5.6%	\$92.01	20.6%	14,027	32.4%	95.7%
Central Appalachian Basin	Tennessee	\$11.77	\$12.34	4.9%	\$78.54	15.7%	3,175	52.8%	100.0%
Central Appalachian Basin	Virginia	\$18.99	\$16.28	-14.3%	\$76.59	21.3%	8,642	42.2%	98.5%
Central Appalachian Basin	West Virginia	\$8.74	\$9.47	8.3%	\$61.29	15.4%	854	100.0%	100.0%
Southern Appalachian Basin	Alabama	W	\$13.57	W	\$63.54	21.4%	3,612	W	99.6%
Southern Appalachian Basin	Georgia	W	\$19.58	W	\$82.89	23.6%	538	W	99.9%
Southern Appalachian Basin	Illinois	W	-	-	-	-	-	-	-
Southern Appalachian Basin	Kentucky	-	W	-	W	W	W	-	W
Southern Appalachian Basin	Pennsylvania	-	W	-	W	W	W	-	W
Illinois Basin	Alabama	W	\$9.23	W	\$44.38	20.8%	1,610	W	100.0%
Illinois Basin	Florida	W	\$43.37	W	\$89.13	48.7%	2,609	W	100.0%
Illinois Basin	Georgia	-	\$31.05	-	\$92.87	33.4%	297	-	100.0%
Illinois Basin	Illinois	W	W	W	W	W	W	W	W
Illinois Basin	Indiana	\$4.75	\$4.86	2.4%	\$41.43	11.7%	24,435	17.3%	95.7%
Illinois Basin	Iowa	W	-	-	-	-	-	-	-
Illinois Basin	Kentucky	W	\$5.88	W	\$39.09	15.0%	7,439	W	98.9%
Illinois Basin	Michigan	-	\$4.79	-	\$63.91	7.5%	51	-	99.3%

Origin Basin	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 Basin	Minnesota	-	W	-	W	W	W	-	W
Illinois Basin	Missouri	W	W	W	W	W	W	W	W
Illinois Basin	Pennsylvania	-	W	-	W	W	W	-	W
Illinois Basin	Tennessee	-	W	-	W	W	W	-	W
Illinois Basin	Wisconsin	W	\$23.13	W	\$64.08	36.1%	225	W	100.0%
Powder River Basin	Alabama	W	\$18.81	W	\$30.57	61.5%	12,308	W	99.8%
Powder River Basin	Arizona	W	\$19.61	W	\$31.31	62.6%	5,630	W	94.3%
Powder River Basin	Arkansas	W	\$17.91	W	\$29.37	61.0%	14,387	W	91.0%
Powder River Basin	Colorado	\$10.95	\$11.38	3.8%	\$22.01	51.7%	8,045	48.4%	99.1%
Powder River Basin	Georgia	-	\$24.16	-	\$34.39	70.2%	13,512	-	100.0%
Powder River Basin	Illinois	\$14.85	\$14.71	-0.9%	\$27.92	52.7%	47,388	35.3%	96.9%
Powder River Basin	Indiana	W	\$20.69	W	\$34.60	59.8%	19,442	W	63.2%
Powder River Basin	Iowa	\$8.88	\$9.72	9.4%	\$20.00	48.6%	21,656	60.7%	99.6%
Powder River Basin	Kansas	\$13.60	\$13.15	-3.3%	\$24.14	54.5%	20,015	29.9%	99.7%
Powder River Basin	Kentucky	W	\$18.81	W	\$32.27	58.3%	1,812	W	95.7%
Powder River Basin	Louisiana	W	\$30.66	W	\$44.06	69.6%	13,273	W	31.4%
Powder River Basin	Maryland	W	W	W	W	W	W	W	W
Powder River Basin	Michigan	\$20.21	\$16.33	-19.2%	\$29.91	54.6%	28,587	13.4%	99.0%
Powder River Basin	Minnesota	\$16.40	\$16.76	2.2%	\$29.19	57.4%	16,751	45.2%	89.7%
Powder River Basin	Mississippi	W	W	W	W	W	W	W	W
Powder River Basin	Missouri	\$12.69	\$12.79	0.8%	\$25.11	51.0%	40,694	49.0%	100.0%
Powder River Basin	Montana	W	\$10.54	W	\$20.04	52.6%	702	W	99.9%
Powder River Basin	Nebraska	\$7.97	\$9.92	24.4%	\$22.77	43.5%	13,940	36.0%	97.1%
Powder River Basin	Nevada	W	\$32.70	W	\$43.29	75.5%	1,822	W	45.8%
Powder River Basin	New York	W	\$35.89	W	\$56.55	63.5%	2,748	W	7.2%
Powder River Basin	North Dakota	W	\$14.04	W	\$21.73	64.6%	980	W	100.0%

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		STB	EIA					STB	EIA
Powder River Basin	Ohio	\$34.70	\$26.47	-23.7%	\$40.14	65.9%	6,341	23.0%	74.2%
Powder River Basin	Oklahoma	\$17.40	\$18.22	4.7%	\$29.30	62.2%	20,724	45.3%	85.0%
Powder River Basin	Oregon	-	\$18.59	-	\$29.57	62.9%	1,552	-	100.0%
Powder River Basin	Pennsylvania	-	\$39.71	-	\$54.00	73.5%	146	-	99.7%
Powder River Basin	South Dakota	W	\$20.23	W	\$30.66	66.0%	2,051	W	100.0%
Powder River Basin	Tennessee	-	\$21.39	-	\$36.52	58.6%	6,302	-	93.1%
Powder River Basin	Texas	\$15.84	\$14.39	-9.1%	\$27.44	52.5%	62,022	48.6%	66.9%
Powder River Basin	Utah	W	-	-	-	-	-	-	-
Powder River Basin	Washington	W	\$25.26	W	\$35.63	70.9%	5,556	W	100.0%
Powder River Basin	West Virginia	-	W	-	W	W	W	-	W
Powder River Basin	Wisconsin	\$18.59	\$19.42	4.5%	\$32.62	59.5%	20,924	30.6%	99.1%
Powder River Basin	Wyoming	W	\$5.98	W	\$15.28	39.1%	13,674	W	79.8%
Uinta (Colorado-Utah) Basin	Alabama	W	\$29.12	W	\$70.31	41.4%	1,558	W	96.4%
Uinta (Colorado-Utah) Basin	Arizona	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	California	W	\$32.63	W	\$72.13	45.2%	882	W	79.4%
Uinta (Colorado-Utah) Basin	Colorado	\$11.02	\$8.47	-23.2%	\$39.81	21.3%	6,665	49.2%	97.2%
Uinta (Colorado-Utah) Basin	Idaho	W	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Indiana	-	W	-	W	W	W	-	W
Uinta (Colorado-Utah) Basin	Iowa	W	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Iowa	W	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Iowa	W	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Mississippi	W	\$42.82	W	\$75.97	56.4%	1,660	W	54.1%
Uinta (Colorado-Utah) Basin	Missouri	-	\$29.15	-	\$104.21	28.0%	326	-	100.0%
Uinta (Colorado-Utah) Basin	Nebraska	-	W	-	W	W	W	-	W
Uinta (Colorado-Utah) Basin	Nevada	W	\$16.24	W	\$52.23	31.1%	2,239	W	100.0%
Uinta (Colorado-Utah) Basin	Oklahoma	W	W	W	W	W	W	W	W

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		STB	EIA					STB	EIA
Uinta (Colorado-Utah) Basin	Tennessee	-	\$23.68	-	\$69.47	34.1%	1,736	-	100.0%
Uinta (Colorado-Utah) Basin	Utah	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	Virginia	-	W	-	W	W	W	-	W
Uinta (Colorado-Utah) Basin	Wisconsin	-	\$53.57	-	\$90.17	59.4%	670	-	99.9%

- = 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