

Table 1. Estimated rail transportation rates for coal, U.S. averages

comparison of EIA and STB data

Year	Transportation cost per short ton (nominal)		Transportation cost per short ton (real)		Percent difference EIA vs. STB	Total delivered cost per short ton		Percent transportation cost is of total delivered cost EIA	Shipments with transportation rates over total shipments (percent)	
	STB	EIA	STB	EIA		(nominal) EIA	(real) EIA		STB	EIA
2001	\$11.83	-	\$13.04	-	-	-	-	-	33.0%	-
2002	\$11.66	-	\$12.64	-	-	-	-	-	34.0%	-
2003	\$11.88	-	\$12.62	-	-	-	-	-	33.9%	-
2004	\$12.34	-	\$12.75	-	-	-	-	-	36.0%	-
2005	\$13.64	-	\$13.64	-	-	-	-	-	36.8%	-
2006	\$14.50	-	\$14.04	-	-	-	-	-	34.3%	-
2007	\$15.75	-	\$14.82	-	-	-	-	-	34.3%	-
2008	\$16.34	\$16.68	\$15.05	\$15.36	2.1%	\$41.15	\$37.90	40.5%	33.7%	82.9%
2009	\$15.97	\$15.80	\$14.56	\$14.40	-1.1%	\$43.59	\$39.73	36.2%	35.3%	89.0%
2010	-	\$17.25	-	\$15.54	-	\$44.74	\$40.31	38.6%	-	90.0%

Annual Percent Change

First to Last Year	3.8%	1.7%	1.4%	0.6%	-	4.3%	3.1%	-	-	-
Latest 2 Years	-2.3%	9.2%	-3.3%	7.9%	-	2.6%	1.5%	-	-	-

- = 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

Real values derived using the GDP Chain-type Price Index, 2005 = 100.

Table 2. Estimated transportation rates for coal delivered to electric power plants by barge and truck, U.S. averages

Year	Barge					Truck				
	Transportation cost per short ton		Total delivered cost per short ton	Percent transportation cost is of total delivered cost	Shipments with transportation rates over total shipments	Transportation cost per short ton		Total delivered cost per short ton	Percent transportation cost is of total delivered cost	Shipments with transportation rates over total shipments
	(nominal)	(real)	(real)		(percent)	(nominal)	(real)	(real)		(percent)
2008	\$6.26	\$5.77	\$36.50	15.8%	42.3%	\$6.12	\$5.64	\$36.36	15.5%	22.2%
2009	\$6.23	\$5.67	\$52.71	10.8%	94.8%	\$4.90	\$4.46	\$33.18	13.5%	25.1%
2010	\$6.41	\$5.77	\$50.83	11.4%	96.8%	\$6.20	\$5.59	\$36.26	15.4%	38.9%
Annual Percent Change										
First to Last Year	1.2%	0.0%	18.0%	-	-	0.7%	-0.4%	-0.1%	-	-
Latest 2 Years	2.9%	1.7%	-3.6%	-	-	26.6%	25.2%	9.3%	-	-

- = 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

Real values derived using the GDP Chain-type Price Index, 2005 = 100.

Table 3. Estimated average rail transportation rates for coal originating in the Northern Appalachian Basin
comparison of EIA and STB data

Year	Transportation cost per short ton (nominal)		Transportation cost per short ton (real)		Percent difference EIA vs. STB	Total delivered cost per short ton (nominal) (real)		Percent transportation cost is of total delivered cost EIA	Shipments with transportation rates over total shipments (percent)	
	STB	EIA	STB	EIA		EIA	EIA		STB	EIA
2001	\$11.15	-	\$12.29	-	-	-	-	-	35.5%	-
2002	\$12.05	-	\$13.07	-	-	-	-	-	35.3%	-
2003	\$11.48	-	\$12.20	-	-	-	-	-	44.0%	-
2004	\$12.77	-	\$13.19	-	-	-	-	-	37.2%	-
2005	\$13.34	-	\$13.34	-	-	-	-	-	49.5%	-
2006	\$14.94	-	\$14.47	-	-	-	-	-	30.4%	-
2007	\$15.32	-	\$14.42	-	-	-	-	-	27.1%	-
2008	\$15.76	\$17.12	\$14.52	\$15.76	8.6%	\$63.68	\$58.65	26.9%	34.3%	72.1%
2009	\$15.89	\$17.02	\$14.48	\$15.51	7.1%	\$71.94	\$65.56	23.7%	39.5%	75.5%
2010	-	\$16.81	-	\$15.15	-	\$72.90	\$65.68	23.1%	-	80.8%
Annual Percent Change										
First to Last Year	4.5%	-0.9%	2.1%	-2.0%	-	7.0%	5.8%	-	-	-
Latest 2 Years	0.8%	-1.2%	-0.2%	-2.3%	-	1.3%	0.2%	-	-	-

- = 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

Real values derived using the GDP Chain-type Price Index, 2005 = 100.

Table 4. Estimated average rail transportation rates for coal originating in the Central Appalachian Basin
comparison of EIA and STB data

Year	Transportation cost per short ton (nominal)		Transportation cost per short ton (real)		Percent difference EIA vs. STB	Total delivered cost per short ton		Percent transportation cost is of total delivered cost EIA	Shipments with transportation rates over total shipments (percent)	
	STB	EIA	STB	EIA		(nominal) EIA	(real) EIA		STB	EIA
2001	\$12.94	-	\$14.26	-	-	-	-	-	38.0%	-
2002	\$13.73	-	\$14.89	-	-	-	-	-	39.0%	-
2003	\$15.63	-	\$16.60	-	-	-	-	-	43.5%	-
2004	\$16.36	-	\$16.91	-	-	-	-	-	43.6%	-
2005	\$17.89	-	\$17.89	-	-	-	-	-	43.0%	-
2006	\$19.97	-	\$19.35	-	-	-	-	-	32.5%	-
2007	\$21.60	-	\$20.34	-	-	-	-	-	33.3%	-
2008	\$20.80	\$20.93	\$19.15	\$19.27	0.6%	\$79.80	\$73.49	26.2%	36.7%	93.2%
2009	\$20.82	\$20.07	\$18.98	\$18.29	-3.6%	\$91.09	\$83.01	22.0%	36.8%	95.7%
2010	-	\$21.68	-	\$19.53	-	\$94.00	\$84.70	23.1%	-	94.4%
Annual Percent Change										
First to Last Year	6.1%	1.8%	3.6%	0.7%	-	8.5%	7.4%	-	-	-
Latest 2 Years	0.1%	8.0%	-0.9%	6.8%	-	3.2%	2.0%	-	-	-

- = 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

Real values derived using the GDP Chain-type Price Index, 2005 = 100.

Table 5. Estimated average rail transportation rates for coal originating in the Southern Appalachian Basin
comparison of EIA and STB data

Year	Transportation cost per short ton (nominal)		Transportation cost per short ton (real)		Percent difference EIA vs. STB	Total delivered cost per short ton		Percent transportation cost is of total delivered cost EIA	Shipments with transportation rates over total shipments (percent)	
	STB	EIA	STB	EIA		(nominal) EIA	(real) EIA		STB	EIA
2001	\$5.20	-	\$5.73	-	-	-	-	-	39.5%	-
2002	\$5.40	-	\$5.86	-	-	-	-	-	41.7%	-
2003	\$6.89	-	\$7.31	-	-	-	-	-	38.5%	-
2004	\$8.28	-	\$8.55	-	-	-	-	-	40.4%	-
2005	\$9.56	-	\$9.56	-	-	-	-	-	38.2%	-
2006	\$14.83	-	\$14.36	-	-	-	-	-	33.2%	-
2007	\$15.81	-	\$14.88	-	-	-	-	-	35.9%	-
2008	\$16.06	\$15.88	\$14.79	\$14.62	-1.1%	\$68.28	\$62.88	23.3%	30.2%	89.0%
2009	\$15.49	\$14.29	\$14.12	\$13.02	-7.7%	\$65.35	\$59.56	21.9%	36.3%	100.0%
2010	-	\$15.80	-	\$14.24	-	\$65.56	\$59.07	24.1%	-	85.0%
Annual Percent Change										
First to Last Year	14.6%	-0.2%	11.9%	-1.3%	-	-2.0%	-3.1%	-	-	-
Latest 2 Years	-3.5%	10.6%	-4.5%	9.3%	-	0.3%	-0.8%	-	-	-

- = 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

Real values derived using the GDP Chain-type Price Index, 2005 = 100.

Table 6. Estimated average rail transportation rates for coal originating in the Illinois Basin
comparison of EIA and STB data

Year	Transportation cost per short ton (nominal)		Transportation cost per short ton (real)		Percent difference EIA vs. STB	Total delivered cost per short ton (nominal) (real)		Percent transportation cost is of total delivered cost EIA	Shipments with transportation rates over total shipments (percent)	
	STB	EIA	STB	EIA		EIA	EIA		STB	EIA
2001	\$5.74	-	\$6.33	-	-	-	-	-	23.7%	-
2002	\$5.89	-	\$6.39	-	-	-	-	-	33.5%	-
2003	\$6.09	-	\$6.46	-	-	-	-	-	30.6%	-
2004	\$6.66	-	\$6.88	-	-	-	-	-	38.4%	-
2005	\$7.57	-	\$7.57	-	-	-	-	-	36.7%	-
2006	\$6.48	-	\$6.27	-	-	-	-	-	27.3%	-
2007	\$6.59	-	\$6.20	-	-	-	-	-	27.0%	-
2008	\$7.36	\$7.66	\$6.78	\$7.05	4.1%	\$41.09	\$37.84	18.6%	19.5%	96.1%
2009	\$9.08	\$8.48	\$8.28	\$7.73	-6.6%	\$45.28	\$41.26	18.7%	20.6%	97.1%
2010	-	\$11.06	-	\$9.96	-	\$52.54	\$47.34	21.0%	-	96.9%
Annual Percent Change										
First to Last Year	5.9%	20.2%	3.4%	18.9%	-	13.1%	11.8%	-	-	-
Latest 2 Years	23.4%	30.4%	22.1%	28.9%	-	16.0%	14.7%	-	-	-

- = 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

Real values derived using the GDP Chain-type Price Index, 2005 = 100.

Table 7. Estimated average rail transportation rates for coal originating in the Powder River Basin
comparison of EIA and STB data

Year	Transportation cost per short ton (nominal)		Transportation cost per short ton (real)		Percent difference EIA vs. STB	Total delivered cost per short ton		Percent transportation cost is of total delivered cost EIA	Shipments with transportation rates over total shipments (percent)	
	STB	EIA	STB	EIA		(nominal) EIA	(real) EIA		STB	EIA
2001	\$12.41	-	\$13.68	-	-	-	-	-	34.2%	-
2002	\$11.74	-	\$12.73	-	-	-	-	-	34.3%	-
2003	\$11.53	-	\$12.24	-	-	-	-	-	33.2%	-
2004	\$11.84	-	\$12.24	-	-	-	-	-	36.4%	-
2005	\$12.85	-	\$12.85	-	-	-	-	-	36.2%	-
2006	\$13.51	-	\$13.08	-	-	-	-	-	38.2%	-
2007	\$14.73	-	\$13.87	-	-	-	-	-	38.0%	-
2008	\$15.77	\$16.75	\$14.52	\$15.42	6.2%	\$27.54	\$25.37	60.8%	35.1%	79.0%
2009	\$15.41	\$15.84	\$14.04	\$14.44	2.8%	\$28.09	\$25.60	56.4%	36.6%	86.7%
2010	-	\$17.31	-	\$15.59	-	\$29.76	\$26.81	58.1%	-	85.8%
Annual Percent Change										
First to Last Year	2.7%	1.7%	0.3%	0.5%	-	3.9%	2.8%	-	-	-
Latest 2 Years	-2.3%	9.2%	-3.3%	8.0%	-	5.9%	4.7%	-	-	-

- = 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

Real values derived using the GDP Chain-type Price Index, 2005 = 100.

Table 8. Estimated average rail transportation rates for coal originating in the Uinta Basin
comparison of EIA and STB data

Year	Transportation cost per short ton (nominal)		Transportation cost per short ton (real)		Percent difference EIA vs. STB	Total delivered cost per short ton		Percent transportation cost is of total delivered cost EIA	Shipments with transportation rates over total shipments (percent)	
	STB	EIA	STB	EIA		(nominal) EIA	(real) EIA		STB	EIA
2001	\$14.32	-	\$15.78	-	-	-	-	-	23.5%	-
2002	\$13.64	-	\$14.80	-	-	-	-	-	24.2%	-
2003	\$15.12	-	\$16.06	-	-	-	-	-	22.0%	-
2004	\$14.53	-	\$15.01	-	-	-	-	-	27.3%	-
2005	\$17.78	-	\$17.78	-	-	-	-	-	34.4%	-
2006	\$19.72	-	\$19.10	-	-	-	-	-	31.4%	-
2007	\$23.41	-	\$22.03	-	-	-	-	-	31.3%	-
2008	\$21.92	\$24.66	\$20.19	\$22.71	12.5%	\$55.24	\$50.87	44.6%	26.0%	66.2%
2009	\$18.27	\$18.54	\$16.65	\$16.90	1.5%	\$55.16	\$50.27	33.6%	30.1%	74.3%
2010	-	\$20.28	-	\$18.27	-	\$60.40	\$54.42	33.6%	-	74.5%
Annual Percent Change										
First to Last Year	3.1%	-9.3%	0.7%	-10.3%	-	4.6%	3.4%	-	-	-
Latest 2 Years	-16.6%	9.4%	-17.5%	8.1%	-	9.5%	8.3%	-	-	-

- = 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

Real values derived using the GDP Chain-type Price Index, 2005 = 100.

Table 9. Estimated rail transportation rates for coal, basin to state, STB data

Basin	Destination State	Nominal dollars per ton									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Northern Appalachian Basin	Delaware	W	W	\$15.49	\$13.83	W	-	W	W	-	-	-
Northern Appalachian Basin	Florida	\$19.46	W	W	W	W	\$29.49	W	W	W	W	W
Northern Appalachian Basin	Illinois	W	W	-	-	-	-	-	-	-	-	-
Northern Appalachian Basin	Indiana	W	W	W	W	W	W	W	W	W	W	W
Northern Appalachian Basin	Kentucky	-	-	W	W	-	-	-	-	-	-	-
Northern Appalachian Basin	Maryland	\$10.33	\$9.58	\$10.68	\$12.03	\$13.69	\$14.71	\$16.11	\$19.72	\$20.69	9.1	4.9
Northern Appalachian Basin	Massachusetts	W	W	-	-	-	-	-	-	-	-	-
Northern Appalachian Basin	Michigan	\$6.74	\$8.16	W	\$8.10	W	W	W	W	\$13.74	9.3	W
Northern Appalachian Basin	New Hampshire	W	W	W	W	W	W	W	W	W	W	W
Northern Appalachian Basin	New Jersey	W	W	W	W	W	W	W	W	W	W	W
Northern Appalachian Basin	New York	\$15.08	\$14.18	\$12.94	\$14.43	\$16.92	\$18.60	\$20.29	\$20.08	\$21.86	4.7	8.9
Northern Appalachian Basin	North Carolina	W	-	-	-	W	W	W	W	\$24.40	W	W
Northern Appalachian Basin	Ohio	\$8.13	\$8.61	\$7.83	\$10.08	\$11.16	\$11.55	\$11.97	\$11.96	\$11.14	4.0	-6.8
Northern Appalachian Basin	Pennsylvania	\$9.43	\$14.15	\$12.78	\$12.95	\$12.22	\$14.65	\$14.66	\$14.45	\$14.07	5.1	-2.6
Northern Appalachian Basin	South Carolina	W	W	W	\$17.18	\$16.66	W	W	W	W	W	W
Northern Appalachian Basin	Tennessee	-	W	W	-	-	-	W	-	-	-	-
Northern Appalachian Basin	Virginia	W	W	W	-	-	-	-	-	W	W	-
Northern Appalachian Basin	West Virginia	W	W	W	\$6.29	W	\$9.31	\$8.34	\$9.19	W	W	W
Northern Appalachian Basin	Wisconsin	W	-	-	-	-	-	-	-	W	W	-
Central Appalachian Basin	Alabama	W	W	W	W	W	\$20.95	W	\$26.17	W	W	W
Central Appalachian Basin	Delaware	\$18.08	\$16.96	\$17.23	\$21.58	\$23.20	\$25.23	\$23.94	\$23.72	\$23.57	3.4	-0.7
Central Appalachian Basin	Florida	\$20.67	\$19.88	\$20.29	\$20.01	\$23.01	\$23.75	\$23.70	\$34.94	\$28.31	4.0	-19.0
Central Appalachian Basin	Georgia	\$14.54	\$15.36	\$21.40	\$21.72	\$19.95	\$21.37	\$27.06	\$23.98	\$25.08	7.1	4.6
Central Appalachian Basin	Illinois	W	W	W	W	W	W	W	W	-	-	-
Central Appalachian Basin	Indiana	W	W	W	W	W	W	W	W	W	W	W
Central Appalachian Basin	Kentucky	W	W	W	W	W	W	W	W	W	W	W
Central Appalachian Basin	Maine	-	-	-	-	W	-	-	-	-	-	-
Central Appalachian Basin	Maryland	W	\$13.64	W	W	W	W	W	W	\$24.18	W	W
Central Appalachian Basin	Massachusetts	W	W	W	W	-	-	-	-	-	-	-

Basin	Destination State	Nominal dollars per ton									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Central Appalachian Basin	Michigan	\$10.94	\$11.41	\$11.37	\$13.56	\$13.48	\$15.76	\$14.88	\$14.69	\$14.61	3.7	-0.5
Central Appalachian Basin	Mississippi	W	W	W	W	W	W	W	W	W	W	W
Central Appalachian Basin	Missouri	W	W	W	W	W	W	W	W	W	W	W
Central Appalachian Basin	New Hampshire	W	W	W	W	W	W	W	W	W	W	W
Central Appalachian Basin	New Jersey	W	W	W	W	W	W	W	W	-	-	-
Central Appalachian Basin	New York	\$16.75	\$16.05	\$16.38	\$18.93	\$22.20	\$30.90	\$34.62	\$27.67	\$25.17	5.2	-9.0
Central Appalachian Basin	North Carolina	\$13.04	\$17.07	\$18.25	\$18.00	\$21.25	\$24.40	\$26.13	\$24.82	\$22.52	7.1	-9.2
Central Appalachian Basin	Ohio	\$11.72	\$11.83	\$13.88	\$15.90	\$16.75	\$14.95	\$16.23	\$14.60	\$11.46	-0.3	-21.5
Central Appalachian Basin	Oklahoma	-	-	-	-	-	-	-	W	-	-	-
Central Appalachian Basin	Pennsylvania	\$15.03	\$14.54	W	\$18.99	\$23.71	\$28.78	\$34.32	\$24.44	W	W	W
Central Appalachian Basin	South Carolina	\$12.84	\$12.37	\$13.17	\$14.36	\$15.97	\$15.87	\$16.82	\$15.41	\$20.11	5.8	30.5
Central Appalachian Basin	Tennessee	\$7.26	\$7.55	\$8.02	\$10.64	\$10.43	\$10.78	\$13.16	\$11.62	\$11.76	6.2	1.2
Central Appalachian Basin	Virginia	\$12.79	\$12.62	\$14.32	\$18.15	\$21.09	\$24.34	\$22.33	\$20.24	\$18.99	5.1	-6.2
Central Appalachian Basin	West Virginia	W	W	\$4.41	\$4.82	\$5.08	\$5.83	W	\$7.62	\$8.73	W	14.5
Central Appalachian Basin	Wisconsin	W	-	W	-	-	-	-	-	-	-	-
Southern Appalachian Basin	Alabama	W	W	W	W	W	W	W	W	W	W	W
Southern Appalachian Basin	Georgia	W	W	W	W	W	W	W	W	W	W	W
Southern Appalachian Basin	Illinois	-	-	-	-	-	W	W	W	W	-	W
Illinois Basin	Alabama	W	W	W	W	W	W	W	W	W	W	W
Illinois Basin	Florida	W	W	W	W	W	W	W	W	W	W	W
Illinois Basin	Georgia	-	-	W	W	W	W	-	-	-	-	-
Illinois Basin	Illinois	\$4.47	\$4.59	W	W	W	W	W	W	W	W	W
Illinois Basin	Indiana	\$2.78	\$2.47	\$3.01	\$3.51	\$5.27	\$3.51	\$3.54	\$3.71	\$4.74	6.9	27.8
Illinois Basin	Iowa	W	W	W	W	W	W	W	W	W	W	W
Illinois Basin	Kentucky	W	W	W	W	W	W	W	W	W	W	W
Illinois Basin	Minnesota	W	W	W	W	W	W	W	-	-	-	-
Illinois Basin	Missouri	W	W	W	W	W	W	-	-	W	W	-
Illinois Basin	New York	-	-	-	W	W	-	-	-	-	-	-
Illinois Basin	Wisconsin	W	W	W	\$19.50	W	W	W	W	W	W	W
Powder River Basin	Alabama	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Arizona	W	W	W	W	W	\$20.76	\$21.41	\$21.95	W	W	W

Basin	Destination State	Nominal dollars per ton									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Powder River Basin	Arkansas	W	W	W	\$15.18	W	W	W	W	W	W	W
Powder River Basin	Colorado	\$7.64	\$7.70	\$8.18	\$7.87	\$8.13	\$9.56	\$10.18	\$9.89	\$10.95	4.6	10.7
Powder River Basin	Delaware	-	-	-	W	W	W	-	-	-	-	-
Powder River Basin	Georgia	-	-	-	W	W	-	-	-	-	-	-
Powder River Basin	Illinois	\$12.12	\$12.67	\$20.69	\$9.62	\$11.21	\$12.19	\$12.45	\$13.85	\$14.84	2.6	7.2
Powder River Basin	Indiana	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Iowa	\$8.57	\$8.64	\$8.08	\$9.30	\$8.52	\$8.28	\$8.30	\$8.87	\$8.88	0.4	0.1
Powder River Basin	Kansas	\$15.15	\$14.38	\$13.85	\$14.39	\$14.96	\$15.44	\$15.51	\$13.94	\$13.60	-1.3	-2.5
Powder River Basin	Kentucky	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Louisiana	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Maryland	-	-	-	-	-	-	-	W	W	-	W
Powder River Basin	Michigan	-	W	W	\$5.39	\$6.26	\$7.12	\$7.06	\$20.87	\$20.20	-	-3.2
Powder River Basin	Minnesota	\$10.69	\$10.86	\$11.37	\$11.57	\$12.02	\$12.23	\$16.41	\$16.81	\$16.40	5.5	-2.4
Powder River Basin	Mississippi	-	-	-	W	W	W	W	W	W	-	W
Powder River Basin	Missouri	\$11.21	\$9.95	\$9.69	\$9.98	\$10.97	\$10.89	\$13.37	\$13.69	\$12.69	1.6	-7.3
Powder River Basin	Montana	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Nebraska	\$6.05	\$5.74	\$5.89	\$6.96	\$7.20	\$7.64	\$7.88	\$7.36	\$7.96	3.5	8.2
Powder River Basin	Nevada	-	-	-	-	-	-	-	-	W	-	-
Powder River Basin	New Hampshire	W	-	-	-	-	-	-	-	-	-	-
Powder River Basin	New Jersey	-	-	-	W	W	W	W	W	-	-	-
Powder River Basin	New York	-	W	W	W	W	\$36.42	W	W	W	-	W
Powder River Basin	North Carolina	-	-	-	-	-	-	-	W	-	-	-
Powder River Basin	North Dakota	W	W	\$16.51	\$13.74	\$14.18	W	W	W	W	W	W
Powder River Basin	Ohio	-	-	-	W	W	\$41.74	W	\$33.47	\$34.69	-	3.7
Powder River Basin	Oklahoma	\$12.40	\$10.65	\$9.63	\$11.93	\$12.03	\$12.73	\$13.57	\$13.52	\$17.39	4.3	28.7
Powder River Basin	South Dakota	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Texas	\$15.46	\$15.43	\$14.40	\$14.49	\$14.88	\$15.00	\$15.54	\$15.74	\$15.83	0.3	0.6
Powder River Basin	Utah	-	-	-	W	W	-	-	W	W	-	W
Powder River Basin	Washington	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Wisconsin	\$12.85	\$12.78	\$12.07	\$12.88	\$14.25	\$15.99	\$18.05	\$18.39	\$18.59	4.7	1.1
Powder River Basin	Wyoming	W	W	W	W	W	W	W	W	W	W	W

Basin	Destination State	Nominal dollars per ton									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Uinta (Colorado-Utah) Basin	Alabama	-	W	W	W	W	W	W	W	W	-	W
Uinta (Colorado-Utah) Basin	Arizona	W	W	W	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	Arkansas	-	-	-	-	W	W	W	W	-	-	-
Uinta (Colorado-Utah) Basin	California	W	W	W	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	Colorado	\$7.85	\$6.83	\$6.59	\$7.46	\$8.40	\$11.55	\$12.22	\$10.71	\$11.02	4.3	2.9
Uinta (Colorado-Utah) Basin	Delaware	-	-	-	-	W	W	W	W	-	-	-
Uinta (Colorado-Utah) Basin	Georgia	-	-	W	W	W	W	W	W	-	-	-
Uinta (Colorado-Utah) Basin	Idaho	W	W	W	W	W	W	W	-	W	W	-
Uinta (Colorado-Utah) Basin	Illinois	W	W	W	W	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Iowa	\$14.58	W	W	W	W	W	W	-	W	W	-
Uinta (Colorado-Utah) Basin	Kansas	W	W	W	W	W	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Kentucky	W	W	W	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	Massachusetts	-	-	-	W	W	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Michigan	-	-	-	W	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Minnesota	W	-	-	-	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Mississippi	W	W	W	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	Missouri	W	W	W	W	W	W	W	W	-	-	-
Uinta (Colorado-Utah) Basin	Nevada	W	W	W	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	New Jersey	W	-	-	-	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	New York	W	-	W	-	W	W	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Ohio	-	-	W	W	W	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Oklahoma	-	W	-	W	W	W	W	W	W	-	W
Uinta (Colorado-Utah) Basin	Oregon	W	W	W	W	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Tennessee	-	-	W	-	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Texas	W	W	W	W	W	W	W	W	-	-	-
Uinta (Colorado-Utah) Basin	Utah	W	W	W	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	Washington	W	W	W	-	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Wisconsin	W	-	-	-	-	-	-	-	-	-	-

- = No waybills sampled

W = Data Withheld

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

Table 10. Estimated rail transportation rates for coal, basin to state, STB data

Basin	Destination State	Real Dollars per Ton									Annual Percent Change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Northern Appalachian Basin	Delaware	W	W	\$16.45	\$14.29	W	-	W	W	-	-	-
Northern Appalachian Basin	Florida	\$21.45	W	W	W	W	\$28.57	W	W	W	W	W
Northern Appalachian Basin	Illinois	W	W	-	-	-	-	-	-	-	-	-
Northern Appalachian Basin	Indiana	W	W	W	W	W	W	W	W	W	W	W
Northern Appalachian Basin	Kentucky	-	-	W	W	-	-	-	-	-	-	-
Northern Appalachian Basin	Maryland	\$11.39	\$10.39	\$11.34	\$12.43	\$13.69	\$14.25	\$15.17	\$18.16	\$18.85	6.5	3.8
Northern Appalachian Basin	Massachusetts	W	W	-	-	-	-	-	-	-	-	-
Northern Appalachian Basin	Michigan	\$7.43	\$8.85	W	\$8.37	W	W	W	W	\$12.52	6.7	W
Northern Appalachian Basin	New Hampshire	W	W	W	W	W	W	W	W	W	W	W
Northern Appalachian Basin	New Jersey	W	W	W	W	W	W	W	W	W	W	W
Northern Appalachian Basin	New York	\$16.62	\$15.39	\$13.75	\$14.91	\$16.92	\$18.02	\$19.10	\$18.49	\$19.92	2.3	7.8
Northern Appalachian Basin	North Carolina	W	-	-	-	W	W	W	W	\$22.23	W	W
Northern Appalachian Basin	Ohio	\$8.97	\$9.34	\$8.32	\$10.41	\$11.16	\$11.19	\$11.27	\$11.01	\$10.15	1.6	-7.8
Northern Appalachian Basin	Pennsylvania	\$10.40	\$15.35	\$13.58	\$13.38	\$12.22	\$14.19	\$13.80	\$13.30	\$12.82	2.7	-3.6
Northern Appalachian Basin	South Carolina	W	W	W	\$17.75	\$16.66	W	W	W	W	W	W
Northern Appalachian Basin	Tennessee	-	W	W	-	-	-	W	-	-	-	-
Northern Appalachian Basin	Virginia	W	W	W	-	-	-	-	-	W	W	-
Northern Appalachian Basin	West Virginia	W	W	W	\$6.50	W	\$9.02	\$7.85	\$8.46	W	W	W
Northern Appalachian Basin	Wisconsin	W	-	-	-	-	-	-	-	W	W	-
Central Appalachian Basin	Alabama	W	W	W	W	W	\$20.29	W	\$24.10	W	W	W
Central Appalachian Basin	Delaware	\$19.93	\$18.39	\$18.31	\$22.30	\$23.20	\$24.44	\$22.54	\$21.85	\$21.48	0.9	-1.7
Central Appalachian Basin	Florida	\$22.78	\$21.56	\$21.55	\$20.67	\$23.01	\$23.00	\$22.31	\$32.18	\$25.80	1.6	-19.8
Central Appalachian Basin	Georgia	\$16.02	\$16.66	\$22.73	\$22.44	\$19.95	\$20.70	\$25.47	\$22.08	\$22.86	4.5	3.5
Central Appalachian Basin	Illinois	W	W	W	W	W	W	W	W	-	-	-
Central Appalachian Basin	Indiana	W	W	W	W	W	W	W	W	W	W	W
Central Appalachian Basin	Kentucky	W	W	W	W	W	W	W	W	W	W	W
Central Appalachian Basin	Maine	-	-	-	-	W	-	-	-	-	-	-
Central Appalachian Basin	Maryland	W	\$14.79	W	W	W	W	W	W	\$22.04	W	W
Central Appalachian Basin	Massachusetts	W	W	W	W	-	-	-	-	-	-	-
Central Appalachian Basin	Michigan	\$12.06	\$12.38	\$12.08	\$14.01	\$13.48	\$15.26	\$14.00	\$13.53	\$13.32	1.2	-1.6
Central Appalachian Basin	Mississippi	W	W	W	W	W	W	W	W	W	W	W

Basin	Destination State	Real Dollars per Ton									Annual Percent Change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Central Appalachian Basin	Missouri	W	W	W	W	W	W	W	W	W	W	W
Central Appalachian Basin	New Hampshire	W	W	W	W	W	W	W	W	W	W	W
Central Appalachian Basin	New Jersey	W	W	W	W	W	W	W	W	-	-	-
Central Appalachian Basin	New York	\$18.47	\$17.41	\$17.40	\$19.56	\$22.20	\$29.93	\$32.59	\$25.48	\$22.94	2.7	-10.0
Central Appalachian Basin	North Carolina	\$14.37	\$18.52	\$19.39	\$18.60	\$21.25	\$23.63	\$24.60	\$22.85	\$20.53	4.6	-10.2
Central Appalachian Basin	Ohio	\$12.92	\$12.83	\$14.74	\$16.43	\$16.75	\$14.48	\$15.28	\$13.44	\$10.45	-2.6	-22.3
Central Appalachian Basin	Oklahoma	-	-	-	-	-	-	-	W	-	-	-
Central Appalachian Basin	Pennsylvania	\$16.57	\$15.77	W	\$19.62	\$23.71	\$27.88	\$32.30	\$22.51	W	W	W
Central Appalachian Basin	South Carolina	\$14.16	\$13.42	\$14.00	\$14.84	\$15.97	\$15.37	\$15.83	\$14.19	\$18.33	3.3	29.1
Central Appalachian Basin	Tennessee	\$8.01	\$8.19	\$8.52	\$10.99	\$10.43	\$10.44	\$12.38	\$10.70	\$10.72	3.7	0.2
Central Appalachian Basin	Virginia	\$14.10	\$13.69	\$15.21	\$18.76	\$21.09	\$23.58	\$21.02	\$18.64	\$17.30	2.6	-7.2
Central Appalachian Basin	West Virginia	W	W	\$4.69	\$4.99	\$5.08	\$5.65	W	\$7.02	\$7.96	W	13.3
Central Appalachian Basin	Wisconsin	W	-	W	-	-	-	-	-	-	-	-
Southern Appalachian Basin	Alabama	W	W	W	W	W	W	W	W	W	W	W
Southern Appalachian Basin	Georgia	W	W	W	W	W	W	W	W	W	W	W
Southern Appalachian Basin	Illinois	-	-	-	-	-	W	W	W	W	-	W
Illinois Basin	Alabama	W	W	W	W	W	W	W	W	W	W	W
Illinois Basin	Florida	W	W	W	W	W	W	W	W	W	W	W
Illinois Basin	Georgia	-	-	W	W	W	W	-	-	-	-	-
Illinois Basin	Illinois	\$4.93	\$4.98	W	W	W	W	W	W	W	W	W
Illinois Basin	Indiana	\$3.07	\$2.68	\$3.19	\$3.63	\$5.27	\$3.40	\$3.34	\$3.42	\$4.32	4.4	26.4
Illinois Basin	Iowa	W	W	W	W	W	W	W	W	W	W	W
Illinois Basin	Kentucky	W	W	W	W	W	W	W	W	W	W	W
Illinois Basin	Minnesota	W	W	W	W	W	W	W	-	-	-	-
Illinois Basin	Missouri	W	W	W	W	W	W	-	-	W	W	-
Illinois Basin	New York	-	-	-	W	W	-	-	-	-	-	-
Illinois Basin	Wisconsin	W	W	W	\$20.15	W	W	W	W	W	W	W
Powder River Basin	Alabama	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Arizona	W	W	W	W	W	\$20.11	\$20.15	\$20.22	W	W	W
Powder River Basin	Arkansas	W	W	W	\$15.69	W	W	W	W	W	W	W
Powder River Basin	Colorado	\$8.42	\$8.35	\$8.69	\$8.13	\$8.13	\$9.26	\$9.58	\$9.11	\$9.98	2.1	9.6

Basin	Destination State	Real Dollars per Ton									Annual Percent Change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Powder River Basin	Delaware	-	-	-	W	W	W	-	-	-	-	-
Powder River Basin	Georgia	-	-	-	W	W	-	-	-	-	-	-
Powder River Basin	Illinois	\$13.36	\$13.74	\$21.97	\$9.94	\$11.21	\$11.81	\$11.72	\$12.75	\$13.52	0.2	6.1
Powder River Basin	Indiana	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Iowa	\$9.45	\$9.37	\$8.59	\$9.61	\$8.52	\$8.02	\$7.81	\$8.17	\$8.09	-1.9	-0.9
Powder River Basin	Kansas	\$16.70	\$15.59	\$14.71	\$14.87	\$14.96	\$14.96	\$14.60	\$12.84	\$12.39	-3.7	-3.5
Powder River Basin	Kentucky	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Louisiana	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Maryland	-	-	-	-	-	-	-	W	W	-	W
Powder River Basin	Michigan	-	W	W	\$5.57	\$6.26	\$6.90	\$6.65	\$19.22	\$18.41	-	-4.2
Powder River Basin	Minnesota	\$11.78	\$11.78	\$12.08	\$11.96	\$12.02	\$11.85	\$15.45	\$15.48	\$14.95	3.0	-3.4
Powder River Basin	Mississippi	-	-	-	W	W	W	W	W	W	-	W
Powder River Basin	Missouri	\$12.36	\$10.80	\$10.29	\$10.31	\$10.97	\$10.55	\$12.59	\$12.61	\$11.56	-0.8	-8.3
Powder River Basin	Montana	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Nebraska	\$6.67	\$6.23	\$6.25	\$7.19	\$7.20	\$7.40	\$7.41	\$6.78	\$7.26	1.1	7.0
Powder River Basin	Nevada	-	-	-	-	-	-	-	-	W	-	-
Powder River Basin	New Hampshire	W	-	-	-	-	-	-	-	-	-	-
Powder River Basin	New Jersey	-	-	-	W	W	W	W	W	-	-	-
Powder River Basin	New York	-	W	W	W	W	\$35.28	W	W	W	-	W
Powder River Basin	North Carolina	-	-	-	-	-	-	-	W	-	-	-
Powder River Basin	North Dakota	W	W	\$17.53	\$14.20	\$14.18	W	W	W	W	W	W
Powder River Basin	Ohio	-	-	-	W	W	\$40.43	W	\$30.82	\$31.62	-	2.6
Powder River Basin	Oklahoma	\$13.67	\$11.55	\$10.23	\$12.33	\$12.03	\$12.33	\$12.77	\$12.45	\$15.85	1.9	27.3
Powder River Basin	South Dakota	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Texas	\$17.04	\$16.74	\$15.30	\$14.97	\$14.88	\$14.53	\$14.63	\$14.49	\$14.43	-2.1	-0.5
Powder River Basin	Utah	-	-	-	W	W	-	-	W	W	-	W
Powder River Basin	Washington	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Wisconsin	\$14.16	\$13.86	\$12.82	\$13.31	\$14.25	\$15.49	\$16.99	\$16.94	\$16.94	2.3	-0.0
Powder River Basin	Wyoming	W	W	W	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	Alabama	-	W	W	W	W	W	W	W	W	-	W
Uinta (Colorado-Utah) Basin	Arizona	W	W	W	W	W	W	W	W	W	W	W

Basin	Destination State	Real Dollars per Ton									Annual Percent Change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Uinta (Colorado-Utah) Basin	Arkansas	-	-	-	-	W	W	W	W	-	-	-
Uinta (Colorado-Utah) Basin	California	W	W	W	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	Colorado	\$8.65	\$7.41	\$7.00	\$7.71	\$8.40	\$11.19	\$11.51	\$9.86	\$10.04	1.9	1.8
Uinta (Colorado-Utah) Basin	Delaware	-	-	-	-	W	W	W	W	-	-	-
Uinta (Colorado-Utah) Basin	Georgia	-	-	W	W	W	W	W	W	-	-	-
Uinta (Colorado-Utah) Basin	Idaho	W	W	W	W	W	W	W	-	W	W	-
Uinta (Colorado-Utah) Basin	Illinois	W	W	W	W	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Iowa	\$16.07	W	W	W	W	W	W	-	W	W	-
Uinta (Colorado-Utah) Basin	Kansas	W	W	W	W	W	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Kentucky	W	W	W	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	Massachusetts	-	-	-	W	W	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Michigan	-	-	-	W	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Minnesota	W	-	-	-	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Mississippi	W	W	W	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	Missouri	W	W	W	W	W	W	W	W	-	-	-
Uinta (Colorado-Utah) Basin	Nevada	W	W	W	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	New Jersey	W	-	-	-	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	New York	W	-	W	-	W	W	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Ohio	-	-	W	W	W	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Oklahoma	-	W	-	W	W	W	W	W	W	-	W
Uinta (Colorado-Utah) Basin	Oregon	W	W	W	W	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Tennessee	-	-	W	-	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Texas	W	W	W	W	W	W	W	W	-	-	-
Uinta (Colorado-Utah) Basin	Utah	W	W	W	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	Washington	W	W	W	-	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Wisconsin	W	-	-	-	-	-	-	-	-	-	-

- = No waybills sampled

W = Data Withheld

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

Real values derived using the GDP Chain-type Price Index, 2005=100.

Table 11. Estimated rail transportation rates for coal, basin to state, STB data

Basin	Destination State	Nominal dollars per ton-mile									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Northern Appalachian Basin	Delaware	W	W	\$0.0323	\$0.0284	W	-	W	W	-	-	-
Northern Appalachian Basin	Florida	\$0.0146	W	W	W	W	\$0.0223	W	W	W	W	W
Northern Appalachian Basin	Illinois	W	W	-	-	-	-	-	-	-	-	-
Northern Appalachian Basin	Indiana	W	W	W	W	W	W	W	W	W	W	W
Northern Appalachian Basin	Kentucky	-	-	W	W	-	-	-	-	-	-	-
Northern Appalachian Basin	Maryland	\$0.0269	\$0.0255	\$0.0275	\$0.0299	\$0.0325	\$0.0339	\$0.0380	\$0.0490	\$0.0468	7.2	-4.3
Northern Appalachian Basin	Massachusetts	W	W	-	-	-	-	-	-	-	-	-
Northern Appalachian Basin	Michigan	\$0.0174	\$0.0186	W	\$0.0182	W	W	W	W	\$0.0269	5.6	W
Northern Appalachian Basin	New Hampshire	W	W	W	W	W	W	W	W	W	W	W
Northern Appalachian Basin	New Jersey	W	W	W	W	W	W	W	W	W	W	W
Northern Appalachian Basin	New York	\$0.0364	\$0.0335	\$0.0302	\$0.0332	\$0.0387	\$0.0410	\$0.0440	\$0.0409	\$0.0457	2.9	11.8
Northern Appalachian Basin	North Carolina	W	-	-	-	W	W	W	W	\$0.0283	W	W
Northern Appalachian Basin	Ohio	\$0.0306	\$0.0340	\$0.0343	\$0.0418	\$0.0457	\$0.0457	\$0.0494	\$0.0518	\$0.0497	6.2	-4.2
Northern Appalachian Basin	Pennsylvania	\$0.0386	\$0.0554	\$0.0508	\$0.0465	\$0.0439	\$0.0534	\$0.0528	\$0.0516	\$0.0494	3.1	-4.3
Northern Appalachian Basin	South Carolina	W	W	W	\$0.0186	\$0.0189	W	W	W	W	W	W
Northern Appalachian Basin	Tennessee	-	W	W	-	-	-	W	-	-	-	-
Northern Appalachian Basin	Virginia	W	W	W	-	-	-	-	-	W	W	-
Northern Appalachian Basin	West Virginia	W	W	W	\$0.0323	W	\$0.0444	\$0.0388	\$0.0427	W	W	W
Northern Appalachian Basin	Wisconsin	W	-	-	-	-	-	-	-	W	W	-
Central Appalachian Basin	Alabama	W	W	W	W	W	\$0.0342	W	\$0.0395	W	W	W
Central Appalachian Basin	Delaware	\$0.0287	\$0.0283	\$0.0279	\$0.0345	\$0.0380	\$0.0413	\$0.0386	\$0.0384	\$0.0383	3.6	-0.2
Central Appalachian Basin	Florida	\$0.0224	\$0.0209	\$0.0207	\$0.0201	\$0.0239	\$0.0248	\$0.0221	\$0.0330	\$0.0269	2.3	-18.4
Central Appalachian Basin	Georgia	\$0.0306	\$0.0331	\$0.0474	\$0.0488	\$0.0433	\$0.0464	\$0.0598	\$0.0538	\$0.0531	7.2	-1.2
Central Appalachian Basin	Illinois	W	W	W	W	W	W	W	W	-	-	-
Central Appalachian Basin	Indiana	W	W	W	W	W	W	W	W	W	W	W
Central Appalachian Basin	Kentucky	W	W	W	W	W	W	W	W	W	W	W
Central Appalachian Basin	Maine	-	-	-	-	W	-	-	-	-	-	-
Central Appalachian Basin	Maryland	W	\$0.0276	W	W	W	W	W	W	\$0.0394	W	W
Central Appalachian Basin	Massachusetts	W	W	W	W	-	-	-	-	-	-	-

Basin	Destination State	Nominal dollars per ton-mile									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Central Appalachian Basin	Michigan	\$0.0228	\$0.0251	\$0.0250	\$0.0302	\$0.0317	\$0.0366	\$0.0367	\$0.0351	\$0.0363	6.0	3.4
Central Appalachian Basin	Mississippi	W	W	W	W	W	W	W	W	W	W	W
Central Appalachian Basin	Missouri	W	W	W	W	W	W	W	W	W	W	W
Central Appalachian Basin	New Hampshire	W	W	W	W	W	W	W	W	W	W	W
Central Appalachian Basin	New Jersey	W	W	W	W	W	W	W	W	-	-	-
Central Appalachian Basin	New York	\$0.0222	\$0.0217	\$0.0211	\$0.0226	\$0.0262	\$0.0363	\$0.0422	\$0.0378	\$0.0354	6.0	-6.2
Central Appalachian Basin	North Carolina	\$0.0307	\$0.0410	\$0.0404	\$0.0395	\$0.0467	\$0.0548	\$0.0579	\$0.0567	\$0.0517	6.7	-8.7
Central Appalachian Basin	Ohio	\$0.0333	\$0.0324	\$0.0371	\$0.0423	\$0.0435	\$0.0417	\$0.0509	\$0.0467	\$0.0423	3.0	-9.4
Central Appalachian Basin	Oklahoma	-	-	-	-	-	-	-	W	-	-	-
Central Appalachian Basin	Pennsylvania	\$0.0268	\$0.0265	W	\$0.0355	\$0.0436	\$0.0553	\$0.0652	\$0.0445	W	W	W
Central Appalachian Basin	South Carolina	\$0.0185	\$0.0175	\$0.0200	\$0.0208	\$0.0232	\$0.0228	\$0.0229	\$0.0208	\$0.0263	4.5	26.5
Central Appalachian Basin	Tennessee	\$0.0375	\$0.0337	\$0.0377	\$0.0478	\$0.0455	\$0.0423	\$0.0472	\$0.0496	\$0.0668	7.5	34.7
Central Appalachian Basin	Virginia	\$0.0259	\$0.0259	\$0.0297	\$0.0378	\$0.0448	\$0.0535	\$0.0479	\$0.0429	\$0.0384	5.0	-10.5
Central Appalachian Basin	West Virginia	W	W	\$0.0457	\$0.0436	\$0.0511	\$0.0562	W	\$0.0770	\$0.0966	W	25.5
Central Appalachian Basin	Wisconsin	W	-	W	-	-	-	-	-	-	-	-
Southern Appalachian Basin	Alabama	W	W	W	W	W	W	W	W	W	W	W
Southern Appalachian Basin	Georgia	W	W	W	W	W	W	W	W	W	W	W
Southern Appalachian Basin	Illinois	-	-	-	-	-	W	W	W	W	-	W
Illinois Basin	Alabama	W	W	W	W	W	W	W	W	W	W	W
Illinois Basin	Florida	W	W	W	W	W	W	W	W	W	W	W
Illinois Basin	Georgia	-	-	W	W	W	W	-	-	-	-	-
Illinois Basin	Illinois	\$0.0350	\$0.0366	W	W	W	W	W	W	W	W	W
Illinois Basin	Indiana	\$0.0579	\$0.0701	\$0.0734	\$0.0816	\$0.0874	\$0.0557	\$0.0658	\$0.0605	\$0.0638	1.2	5.4
Illinois Basin	Iowa	W	W	W	W	W	W	W	W	W	W	W
Illinois Basin	Kentucky	W	W	W	W	W	W	W	W	W	W	W
Illinois Basin	Minnesota	W	W	W	W	W	W	W	-	-	-	-
Illinois Basin	Missouri	W	W	W	W	W	W	-	-	W	W	-
Illinois Basin	New York	-	-	-	W	W	-	-	-	-	-	-
Illinois Basin	Wisconsin	W	W	W	\$0.0307	W	W	W	W	W	W	W
Powder River Basin	Alabama	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Arizona	W	W	W	W	W	\$0.0142	\$0.0147	\$0.0150	W	W	W

Basin	Destination State	Nominal dollars per ton-mile									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Powder River Basin	Arkansas	W	W	W	\$0.0119	W	W	W	W	W	W	W
Powder River Basin	Colorado	\$0.0168	\$0.0165	\$0.0175	\$0.0168	\$0.0172	\$0.0208	\$0.0221	\$0.0217	\$0.0231	4.0	6.4
Powder River Basin	Delaware	-	-	-	W	W	W	-	-	-	-	-
Powder River Basin	Georgia	-	-	-	W	W	-	-	-	-	-	-
Powder River Basin	Illinois	\$0.0101	\$0.0106	\$0.0173	\$0.0080	\$0.0093	\$0.0103	\$0.0106	\$0.0118	\$0.0126	2.8	7.2
Powder River Basin	Indiana	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Iowa	\$0.0109	\$0.0105	\$0.0100	\$0.0113	\$0.0102	\$0.0096	\$0.0099	\$0.0106	\$0.0107	-0.3	0.3
Powder River Basin	Kansas	\$0.0208	\$0.0195	\$0.0188	\$0.0192	\$0.0204	\$0.0210	\$0.0211	\$0.0187	\$0.0188	-1.3	0.8
Powder River Basin	Kentucky	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Louisiana	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Maryland	-	-	-	-	-	-	-	W	W	-	W
Powder River Basin	Michigan	-	W	W	\$0.0037	\$0.0043	\$0.0050	\$0.0050	\$0.0152	\$0.0147	-	-2.7
Powder River Basin	Minnesota	\$0.0112	\$0.0114	\$0.0122	\$0.0123	\$0.0127	\$0.0131	\$0.0174	\$0.0177	\$0.0176	5.8	-0.9
Powder River Basin	Mississippi	-	-	-	W	W	W	W	W	W	-	W
Powder River Basin	Missouri	\$0.0107	\$0.0096	\$0.0093	\$0.0098	\$0.0106	\$0.0108	\$0.0130	\$0.0134	\$0.0126	2.1	-5.8
Powder River Basin	Montana	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Nebraska	\$0.0112	\$0.0107	\$0.0108	\$0.0127	\$0.0132	\$0.0140	\$0.0140	\$0.0132	\$0.0166	5.0	25.5
Powder River Basin	Nevada	-	-	-	-	-	-	-	-	W	-	-
Powder River Basin	New Hampshire	W	-	-	-	-	-	-	-	-	-	-
Powder River Basin	New Jersey	-	-	-	W	W	W	W	W	-	-	-
Powder River Basin	New York	-	W	W	W	W	\$0.0224	W	W	W	-	W
Powder River Basin	North Carolina	-	-	-	-	-	-	-	W	-	-	-
Powder River Basin	North Dakota	W	W	\$0.0213	\$0.0195	\$0.0209	W	W	W	W	W	W
Powder River Basin	Ohio	-	-	-	W	W	\$0.0266	W	\$0.0222	\$0.0230	-	3.5
Powder River Basin	Oklahoma	\$0.0119	\$0.0101	\$0.0092	\$0.0113	\$0.0114	\$0.0120	\$0.0128	\$0.0126	\$0.0165	4.2	31.5
Powder River Basin	South Dakota	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Texas	\$0.0109	\$0.0110	\$0.0102	\$0.0102	\$0.0109	\$0.0108	\$0.0111	\$0.0114	\$0.0112	0.3	-1.4
Powder River Basin	Utah	-	-	-	W	W	-	-	W	W	-	W
Powder River Basin	Washington	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Wisconsin	\$0.0107	\$0.0106	\$0.0099	\$0.0106	\$0.0116	\$0.0130	\$0.0147	\$0.0149	\$0.0147	4.1	-1.1
Powder River Basin	Wyoming	W	W	W	W	W	W	W	W	W	W	W

Basin	Destination State	Nominal dollars per ton-mile									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Uinta (Colorado-Utah) Basin	Alabama	-	W	W	W	W	W	W	W	W	-	W
Uinta (Colorado-Utah) Basin	Arizona	W	W	W	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	Arkansas	-	-	-	-	W	W	W	W	-	-	-
Uinta (Colorado-Utah) Basin	California	W	W	W	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	Colorado	\$0.0431	\$0.0403	\$0.0385	\$0.0463	\$0.0478	\$0.0623	\$0.0646	\$0.0652	\$0.0654	5.3	0.3
Uinta (Colorado-Utah) Basin	Delaware	-	-	-	-	W	W	W	W	-	-	-
Uinta (Colorado-Utah) Basin	Georgia	-	-	W	W	W	W	W	W	-	-	-
Uinta (Colorado-Utah) Basin	Idaho	W	W	W	W	W	W	W	-	W	W	-
Uinta (Colorado-Utah) Basin	Illinois	W	W	W	W	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Iowa	\$0.0124	W	W	W	W	W	W	-	W	W	-
Uinta (Colorado-Utah) Basin	Kansas	W	W	W	W	W	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Kentucky	W	W	W	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	Massachusetts	-	-	-	W	W	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Michigan	-	-	-	W	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Minnesota	W	-	-	-	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Mississippi	W	W	W	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	Missouri	W	W	W	W	W	W	W	W	-	-	-
Uinta (Colorado-Utah) Basin	Nevada	W	W	W	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	New Jersey	W	-	-	-	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	New York	W	-	W	-	W	W	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Ohio	-	-	W	W	W	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Oklahoma	-	W	-	W	W	W	W	W	W	-	W
Uinta (Colorado-Utah) Basin	Oregon	W	W	W	W	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Tennessee	-	-	W	-	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Texas	W	W	W	W	W	W	W	W	-	-	-
Uinta (Colorado-Utah) Basin	Utah	W	W	W	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	Washington	W	W	W	-	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Wisconsin	W	-	-	-	-	-	-	-	-	-	-

- = No waybills sampled

W = Data Withheld

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

Table 12. Estimated rail transportation rates for coal, basin to state, STB data

Basin	Destination State	Real dollars per ton-mile									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Northern Appalachian Basin	Delaware	W	W	\$0.0343	\$0.0294	W	-	W	W	-	-	-
Northern Appalachian Basin	Florida	\$0.0161	W	W	W	W	\$0.0216	W	W	W	W	W
Northern Appalachian Basin	Illinois	W	W	-	-	-	-	-	-	-	-	-
Northern Appalachian Basin	Indiana	W	W	W	W	W	W	W	W	W	W	W
Northern Appalachian Basin	Kentucky	-	-	W	W	-	-	-	-	-	-	-
Northern Appalachian Basin	Maryland	\$0.0296	\$0.0277	\$0.0292	\$0.0309	\$0.0325	\$0.0328	\$0.0357	\$0.0451	\$0.0427	4.7	-5.3
Northern Appalachian Basin	Massachusetts	W	W	-	-	-	-	-	-	-	-	-
Northern Appalachian Basin	Michigan	\$0.0192	\$0.0202	W	\$0.0188	W	W	W	W	\$0.0246	3.1	W
Northern Appalachian Basin	New Hampshire	W	W	W	W	W	W	W	W	W	W	W
Northern Appalachian Basin	New Jersey	W	W	W	W	W	W	W	W	W	W	W
Northern Appalachian Basin	New York	\$0.0401	\$0.0363	\$0.0321	\$0.0343	\$0.0387	\$0.0398	\$0.0414	\$0.0377	\$0.0417	0.5	10.6
Northern Appalachian Basin	North Carolina	W	-	-	-	W	W	W	W	\$0.0258	W	W
Northern Appalachian Basin	Ohio	\$0.0338	\$0.0369	\$0.0364	\$0.0431	\$0.0457	\$0.0443	\$0.0465	\$0.0477	\$0.0453	3.7	-5.2
Northern Appalachian Basin	Pennsylvania	\$0.0426	\$0.0601	\$0.0540	\$0.0481	\$0.0439	\$0.0517	\$0.0497	\$0.0475	\$0.0450	0.7	-5.3
Northern Appalachian Basin	South Carolina	W	W	W	\$0.0192	\$0.0189	W	W	W	W	W	W
Northern Appalachian Basin	Tennessee	-	W	W	-	-	-	W	-	-	-	-
Northern Appalachian Basin	Virginia	W	W	W	-	-	-	-	-	W	W	-
Northern Appalachian Basin	West Virginia	W	W	W	\$0.0334	W	\$0.0430	\$0.0365	\$0.0393	W	W	W
Northern Appalachian Basin	Wisconsin	W	-	-	-	-	-	-	-	W	W	-
Central Appalachian Basin	Alabama	W	W	W	W	W	\$0.0331	W	\$0.0363	W	W	W
Central Appalachian Basin	Delaware	\$0.0317	\$0.0307	\$0.0296	\$0.0356	\$0.0380	\$0.0400	\$0.0363	\$0.0353	\$0.0349	1.2	-1.3
Central Appalachian Basin	Florida	\$0.0247	\$0.0227	\$0.0220	\$0.0208	\$0.0239	\$0.0240	\$0.0208	\$0.0304	\$0.0245	-0.1	-19.3
Central Appalachian Basin	Georgia	\$0.0337	\$0.0359	\$0.0503	\$0.0504	\$0.0433	\$0.0449	\$0.0563	\$0.0495	\$0.0484	4.6	-2.2
Central Appalachian Basin	Illinois	W	W	W	W	W	W	W	W	-	-	-
Central Appalachian Basin	Indiana	W	W	W	W	W	W	W	W	W	W	W
Central Appalachian Basin	Kentucky	W	W	W	W	W	W	W	W	W	W	W
Central Appalachian Basin	Maine	-	-	-	-	W	-	-	-	-	-	-
Central Appalachian Basin	Maryland	W	\$0.0299	W	W	W	W	W	W	\$0.0359	W	W
Central Appalachian Basin	Massachusetts	W	W	W	W	-	-	-	-	-	-	-

Basin	Destination State	Real dollars per ton-mile									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Central Appalachian Basin	Michigan	\$0.0251	\$0.0272	\$0.0266	\$0.0312	\$0.0317	\$0.0355	\$0.0346	\$0.0323	\$0.0331	3.5	2.3
Central Appalachian Basin	Mississippi	W	W	W	W	W	W	W	W	W	W	W
Central Appalachian Basin	Missouri	W	W	W	W	W	W	W	W	W	W	W
Central Appalachian Basin	New Hampshire	W	W	W	W	W	W	W	W	W	W	W
Central Appalachian Basin	New Jersey	W	W	W	W	W	W	W	W	-	-	-
Central Appalachian Basin	New York	\$0.0245	\$0.0235	\$0.0224	\$0.0234	\$0.0262	\$0.0352	\$0.0397	\$0.0348	\$0.0323	3.5	-7.2
Central Appalachian Basin	North Carolina	\$0.0339	\$0.0445	\$0.0429	\$0.0408	\$0.0467	\$0.0531	\$0.0545	\$0.0522	\$0.0471	4.2	-9.6
Central Appalachian Basin	Ohio	\$0.0368	\$0.0352	\$0.0395	\$0.0437	\$0.0435	\$0.0404	\$0.0479	\$0.0430	\$0.0386	0.6	-10.4
Central Appalachian Basin	Oklahoma	-	-	-	-	-	-	-	W	-	-	-
Central Appalachian Basin	Pennsylvania	\$0.0296	\$0.0288	W	\$0.0367	\$0.0436	\$0.0536	\$0.0613	\$0.0410	W	W	W
Central Appalachian Basin	South Carolina	\$0.0204	\$0.0190	\$0.0212	\$0.0215	\$0.0232	\$0.0221	\$0.0216	\$0.0192	\$0.0240	2.0	25.2
Central Appalachian Basin	Tennessee	\$0.0413	\$0.0366	\$0.0400	\$0.0493	\$0.0455	\$0.0410	\$0.0444	\$0.0457	\$0.0609	5.0	33.3
Central Appalachian Basin	Virginia	\$0.0286	\$0.0281	\$0.0316	\$0.0390	\$0.0448	\$0.0518	\$0.0451	\$0.0395	\$0.0350	2.6	-11.5
Central Appalachian Basin	West Virginia	W	W	\$0.0485	\$0.0450	\$0.0511	\$0.0544	W	\$0.0709	\$0.0881	W	24.2
Central Appalachian Basin	Wisconsin	W	-	W	-	-	-	-	-	-	-	-
Southern Appalachian Basin	Alabama	W	W	W	W	W	W	W	W	W	W	W
Southern Appalachian Basin	Georgia	W	W	W	W	W	W	W	W	W	W	W
Southern Appalachian Basin	Illinois	-	-	-	-	-	W	W	W	W	-	W
Illinois Basin	Alabama	W	W	W	W	W	W	W	W	W	W	W
Illinois Basin	Florida	W	W	W	W	W	W	W	W	W	W	W
Illinois Basin	Georgia	-	-	W	W	W	W	-	-	-	-	-
Illinois Basin	Illinois	\$0.0386	\$0.0397	W	W	W	W	W	W	W	W	W
Illinois Basin	Indiana	\$0.0639	\$0.0760	\$0.0780	\$0.0843	\$0.0874	\$0.0540	\$0.0619	\$0.0557	\$0.0581	-1.2	4.3
Illinois Basin	Iowa	W	W	W	W	W	W	W	W	W	W	W
Illinois Basin	Kentucky	W	W	W	W	W	W	W	W	W	W	W
Illinois Basin	Minnesota	W	W	W	W	W	W	W	-	-	-	-
Illinois Basin	Missouri	W	W	W	W	W	W	-	-	W	W	-
Illinois Basin	New York	-	-	-	W	W	-	-	-	-	-	-
Illinois Basin	Wisconsin	W	W	W	\$0.0317	W	W	W	W	W	W	W
Powder River Basin	Alabama	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Arizona	W	W	W	W	W	\$0.0137	\$0.0138	\$0.0138	W	W	W

Basin	Destination State	Real dollars per ton-mile									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Powder River Basin	Arkansas	W	W	W	\$0.0123	W	W	W	W	W	W	W
Powder River Basin	Colorado	\$0.0186	\$0.0179	\$0.0186	\$0.0173	\$0.0172	\$0.0202	\$0.0208	\$0.0200	\$0.0210	1.6	5.3
Powder River Basin	Delaware	-	-	-	W	W	W	-	-	-	-	-
Powder River Basin	Georgia	-	-	-	W	W	-	-	-	-	-	-
Powder River Basin	Illinois	\$0.0112	\$0.0115	\$0.0183	\$0.0082	\$0.0093	\$0.0100	\$0.0099	\$0.0108	\$0.0115	0.4	6.1
Powder River Basin	Indiana	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Iowa	\$0.0120	\$0.0114	\$0.0106	\$0.0117	\$0.0102	\$0.0093	\$0.0093	\$0.0098	\$0.0097	-2.6	-0.8
Powder River Basin	Kansas	\$0.0229	\$0.0211	\$0.0199	\$0.0198	\$0.0204	\$0.0204	\$0.0198	\$0.0172	\$0.0171	-3.6	-0.2
Powder River Basin	Kentucky	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Louisiana	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Maryland	-	-	-	-	-	-	-	W	W	-	W
Powder River Basin	Michigan	-	W	W	\$0.0038	\$0.0043	\$0.0048	\$0.0047	\$0.0140	\$0.0134	-	-3.7
Powder River Basin	Minnesota	\$0.0123	\$0.0124	\$0.0129	\$0.0127	\$0.0127	\$0.0126	\$0.0164	\$0.0163	\$0.0160	3.3	-1.9
Powder River Basin	Mississippi	-	-	-	W	W	W	W	W	W	-	W
Powder River Basin	Missouri	\$0.0118	\$0.0104	\$0.0099	\$0.0101	\$0.0106	\$0.0105	\$0.0122	\$0.0123	\$0.0115	-0.3	-6.8
Powder River Basin	Montana	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Nebraska	\$0.0124	\$0.0116	\$0.0114	\$0.0132	\$0.0132	\$0.0136	\$0.0132	\$0.0122	\$0.0151	2.5	24.2
Powder River Basin	Nevada	-	-	-	-	-	-	-	-	W	-	-
Powder River Basin	New Hampshire	W	-	-	-	-	-	-	-	-	-	-
Powder River Basin	New Jersey	-	-	-	W	W	W	W	W	-	-	-
Powder River Basin	New York	-	W	W	W	W	\$0.0217	W	W	W	-	W
Powder River Basin	North Carolina	-	-	-	-	-	-	-	W	-	-	-
Powder River Basin	North Dakota	W	W	\$0.0226	\$0.0201	\$0.0209	W	W	W	W	W	W
Powder River Basin	Ohio	-	-	-	W	W	\$0.0257	W	\$0.0205	\$0.0210	-	2.4
Powder River Basin	Oklahoma	\$0.0131	\$0.0110	\$0.0098	\$0.0116	\$0.0114	\$0.0117	\$0.0120	\$0.0116	\$0.0151	1.7	30.1
Powder River Basin	South Dakota	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Texas	\$0.0120	\$0.0119	\$0.0108	\$0.0105	\$0.0109	\$0.0105	\$0.0105	\$0.0105	\$0.0102	-2.0	-2.5
Powder River Basin	Utah	-	-	-	W	W	-	-	W	W	-	W
Powder River Basin	Washington	W	W	W	W	W	W	W	W	W	W	W
Powder River Basin	Wisconsin	\$0.0118	\$0.0115	\$0.0105	\$0.0110	\$0.0116	\$0.0126	\$0.0138	\$0.0137	\$0.0134	1.7	-2.1
Powder River Basin	Wyoming	W	W	W	W	W	W	W	W	W	W	W

Basin	Destination State	Real dollars per ton-mile									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Uinta (Colorado-Utah) Basin	Alabama	-	W	W	W	W	W	W	W	W	-	W
Uinta (Colorado-Utah) Basin	Arizona	W	W	W	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	Arkansas	-	-	-	-	W	W	W	W	-	-	-
Uinta (Colorado-Utah) Basin	California	W	W	W	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	Colorado	\$0.0475	\$0.0438	\$0.0409	\$0.0478	\$0.0478	\$0.0603	\$0.0608	\$0.0600	\$0.0596	2.9	-0.8
Uinta (Colorado-Utah) Basin	Delaware	-	-	-	-	W	W	W	W	-	-	-
Uinta (Colorado-Utah) Basin	Georgia	-	-	W	W	W	W	W	W	-	-	-
Uinta (Colorado-Utah) Basin	Idaho	W	W	W	W	W	W	W	-	W	W	-
Uinta (Colorado-Utah) Basin	Illinois	W	W	W	W	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Iowa	\$0.0137	W	W	W	W	W	W	-	W	W	-
Uinta (Colorado-Utah) Basin	Kansas	W	W	W	W	W	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Kentucky	W	W	W	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	Massachusetts	-	-	-	W	W	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Michigan	-	-	-	W	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Minnesota	W	-	-	-	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Mississippi	W	W	W	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	Missouri	W	W	W	W	W	W	W	W	-	-	-
Uinta (Colorado-Utah) Basin	Nevada	W	W	W	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	New Jersey	W	-	-	-	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	New York	W	-	W	-	W	W	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Ohio	-	-	W	W	W	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Oklahoma	-	W	-	W	W	W	W	W	W	-	W
Uinta (Colorado-Utah) Basin	Oregon	W	W	W	W	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Tennessee	-	-	W	-	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Texas	W	W	W	W	W	W	W	W	-	-	-
Uinta (Colorado-Utah) Basin	Utah	W	W	W	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	Washington	W	W	W	-	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Wisconsin	W	-	-	-	-	-	-	-	-	-	-

- = No waybills sampled

W = Data Withheld

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

Basin	Destination State	Real dollars per ton-mile									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009

Real values derived using the GDP Chain-type Price Index, 2005=100.

Table 13. Estimated rail transportation rates for coal, basin to state, EIA data

Basin	Destination State	Nominal dollars per ton			Annual percent change	
		2008	2009	2010	2008-2010	2009-2010
Northern Appalachian Basin	Delaware	\$28.49	-	W	W	-
Northern Appalachian Basin	Florida	-	\$38.51	\$39.67	-	3.0
Northern Appalachian Basin	Georgia	-	W	-	-	-
Northern Appalachian Basin	Indiana	\$20.35	\$16.14	\$16.64	-9.6	3.1
Northern Appalachian Basin	Kentucky	-	-	W	-	-
Northern Appalachian Basin	Maryland	\$19.64	\$19.60	\$20.41	1.9	4.2
Northern Appalachian Basin	Michigan	\$14.02	\$16.13	\$16.23	7.6	0.6
Northern Appalachian Basin	New Hampshire	\$43.43	\$40.18	\$39.62	-4.5	-1.4
Northern Appalachian Basin	New Jersey	\$27.19	\$32.44	W	W	W
Northern Appalachian Basin	New York	\$15.26	\$18.86	\$23.60	24.4	25.2
Northern Appalachian Basin	North Carolina	\$18.41	\$21.94	\$25.02	16.6	14.1
Northern Appalachian Basin	Ohio	\$13.86	\$10.95	\$10.01	-15.0	-8.5
Northern Appalachian Basin	Pennsylvania	\$16.10	\$16.15	\$15.91	-0.6	-1.5
Northern Appalachian Basin	South Carolina	\$13.23	\$13.98	\$13.89	2.5	-0.6
Northern Appalachian Basin	Tennessee	-	-	W	-	-
Northern Appalachian Basin	Virginia	\$20.14	\$22.30	W	W	W
Northern Appalachian Basin	West Virginia	\$11.12	\$8.98	\$9.07	-9.6	1.1
Northern Appalachian Basin	Wisconsin	W	W	\$19.05	W	W
Central Appalachian Basin	Alabama	\$26.10	\$24.14	\$31.90	10.6	32.2
Central Appalachian Basin	Delaware	\$15.12	\$14.69	W	W	W
Central Appalachian Basin	Florida	\$28.09	\$26.59	\$29.52	2.5	11.0
Central Appalachian Basin	Georgia	\$24.84	\$23.27	\$27.43	5.1	17.9
Central Appalachian Basin	Indiana	\$14.03	W	-	-	-
Central Appalachian Basin	Kentucky	\$13.58	\$13.16	\$11.60	-7.6	-11.9
Central Appalachian Basin	Maryland	\$22.71	\$23.54	\$22.32	-0.9	-5.2
Central Appalachian Basin	Massachusetts	W	\$11.34	W	W	W
Central Appalachian Basin	Michigan	\$15.19	\$16.39	\$16.96	5.7	3.5
Central Appalachian Basin	Mississippi	\$29.57	\$21.30	\$27.38	-3.8	28.6
Central Appalachian Basin	Missouri	W	\$37.60	W	W	W
Central Appalachian Basin	New Hampshire	W	W	W	W	W
Central Appalachian Basin	New Jersey	\$29.68	\$28.55	\$30.64	1.6	7.3
Central Appalachian Basin	New York	\$28.60	W	\$36.39	12.8	W
Central Appalachian Basin	North Carolina	\$22.93	\$20.11	\$21.90	-2.3	8.9
Central Appalachian Basin	Ohio	\$19.66	\$11.86	\$10.26	-27.8	-13.5
Central Appalachian Basin	Pennsylvania	\$25.15	\$21.51	W	W	W
Central Appalachian Basin	South Carolina	\$13.46	\$18.98	\$20.35	23.0	7.2
Central Appalachian Basin	Tennessee	\$12.36	\$12.34	\$15.60	12.4	26.4
Central Appalachian Basin	Virginia	\$17.36	\$16.28	\$17.74	1.1	8.9
Central Appalachian Basin	West Virginia	-	\$9.47	\$8.97	-	-5.2
Southern Appalachian Basin	Alabama	\$14.43	\$13.57	\$15.46	3.5	13.9
Southern Appalachian Basin	Georgia	\$19.13	\$19.58	\$22.30	8.0	13.9
Southern Appalachian Basin	Kentucky	-	W	-	-	-

Basin	Destination State	Nominal dollars per ton			Annual percent change	
		2008	2009	2010	2008-2010	2009-2010
Southern Appalachian Basin	New Jersey	W	-	-	-	-
Southern Appalachian Basin	Pennsylvania	-	W	-	-	-
Illinois Basin	Alabama	\$11.22	\$9.23	\$10.13	-5.0	9.8
Illinois Basin	Florida	\$22.76	\$43.37	\$34.01	22.2	-21.6
Illinois Basin	Georgia	\$32.08	\$31.05	\$33.96	2.9	9.4
Illinois Basin	Illinois	W	W	\$8.35	W	W
Illinois Basin	Indiana	\$5.02	\$4.86	\$5.70	6.5	17.3
Illinois Basin	Iowa	\$35.91	-	-	-	-
Illinois Basin	Kentucky	\$5.63	\$5.88	\$9.81	32.0	66.9
Illinois Basin	Michigan	\$5.80	\$4.79	W	W	W
Illinois Basin	Minnesota	W	W	W	W	W
Illinois Basin	Mississippi	-	-	W	-	-
Illinois Basin	Missouri	\$7.53	W	W	W	W
Illinois Basin	New York	-	-	W	-	-
Illinois Basin	Ohio	W	-	-	-	-
Illinois Basin	Pennsylvania	W	W	-	-	-
Illinois Basin	South Carolina	W	-	\$24.46	W	-
Illinois Basin	Tennessee	\$24.33	W	W	W	W
Illinois Basin	Wisconsin	W	\$23.13	\$11.29	W	-51.2
Powder River Basin	Alabama	\$21.13	\$18.81	\$20.40	-1.7	8.4
Powder River Basin	Arizona	\$22.15	\$19.61	\$21.77	-0.9	11.0
Powder River Basin	Arkansas	\$19.75	\$17.91	\$18.27	-3.8	2.0
Powder River Basin	Colorado	\$11.35	\$11.38	\$11.49	0.6	1.0
Powder River Basin	Florida	W	-	-	-	-
Powder River Basin	Georgia	\$26.08	\$24.16	\$25.18	-1.7	4.2
Powder River Basin	Illinois	\$14.94	\$14.71	\$15.76	2.7	7.2
Powder River Basin	Indiana	\$24.38	\$20.69	\$20.32	-8.7	-1.8
Powder River Basin	Iowa	\$10.19	\$9.72	\$10.12	-0.4	4.1
Powder River Basin	Kansas	\$13.60	\$13.15	\$14.22	2.2	8.1
Powder River Basin	Kentucky	\$23.17	\$18.81	\$17.91	-12.1	-4.8
Powder River Basin	Louisiana	\$33.67	\$30.66	\$32.36	-2.0	5.6
Powder River Basin	Maryland	\$62.74	W	W	W	W
Powder River Basin	Michigan	\$17.82	\$16.33	\$17.07	-2.1	4.5
Powder River Basin	Minnesota	\$15.30	\$16.76	\$18.30	9.4	9.2
Powder River Basin	Mississippi	W	W	\$38.80	W	W
Powder River Basin	Missouri	\$14.89	\$12.79	\$13.99	-3.1	9.4
Powder River Basin	Montana	W	\$10.54	\$10.61	W	0.7
Powder River Basin	Nebraska	\$8.15	\$9.92	\$10.87	15.5	9.6
Powder River Basin	Nevada	W	\$32.70	\$33.12	W	1.3
Powder River Basin	New York	\$39.36	\$35.89	-	-	-
Powder River Basin	North Dakota	\$15.39	\$14.04	\$14.87	-1.7	5.9
Powder River Basin	Ohio	\$27.49	\$26.47	\$30.92	6.1	16.8
Powder River Basin	Oklahoma	\$13.51	\$18.22	\$17.83	14.9	-2.1
Powder River Basin	Oregon	W	\$18.59	\$17.41	W	-6.3
Powder River Basin	Pennsylvania	\$39.17	\$39.71	-	-	-

Basin	Destination State	Nominal dollars per ton			Annual percent change	
		2008	2009	2010	2008-2010	2009-2010
Powder River Basin	South Dakota	\$20.88	\$20.23	\$21.42	1.3	5.9
Powder River Basin	Tennessee	\$23.54	\$21.39	\$22.52	-2.2	5.3
Powder River Basin	Texas	\$13.89	\$14.39	\$20.17	20.5	40.1
Powder River Basin	Washington	\$25.73	\$25.26	\$26.55	1.6	5.1
Powder River Basin	West Virginia	-	W	W	-	W
Powder River Basin	Wisconsin	\$18.87	\$19.42	\$20.12	3.3	3.6
Powder River Basin	Wyoming	\$7.52	\$5.98	\$5.52	-14.3	-7.7
Uinta (Colorado-Utah) Basin	Alabama	\$32.36	\$29.12	\$27.42	-7.9	-5.8
Uinta (Colorado-Utah) Basin	Arizona	\$28.20	W	-	-	-
Uinta (Colorado-Utah) Basin	Arkansas	W	-	-	-	-
Uinta (Colorado-Utah) Basin	California	\$29.36	\$32.63	\$37.81	13.5	15.9
Uinta (Colorado-Utah) Basin	Colorado	\$14.16	\$8.47	\$9.02	-20.2	6.6
Uinta (Colorado-Utah) Basin	Georgia	W	-	-	-	-
Uinta (Colorado-Utah) Basin	Illinois	-	-	W	-	-
Uinta (Colorado-Utah) Basin	Indiana	-	W	\$20.68	-	W
Uinta (Colorado-Utah) Basin	Iowa	\$45.74	-	-	-	-
Uinta (Colorado-Utah) Basin	Kentucky	\$24.72	\$21.57	\$23.91	-1.6	10.9
Uinta (Colorado-Utah) Basin	Michigan	\$39.36	\$46.69	\$43.49	5.1	-6.9
Uinta (Colorado-Utah) Basin	Mississippi	\$49.97	\$42.82	\$46.57	-3.5	8.8
Uinta (Colorado-Utah) Basin	Missouri	\$32.55	\$29.15	\$30.42	-3.3	4.4
Uinta (Colorado-Utah) Basin	Nebraska	W	W	-	-	-
Uinta (Colorado-Utah) Basin	Nevada	\$15.34	\$16.24	\$16.95	5.1	4.4
Uinta (Colorado-Utah) Basin	Oklahoma	-	W	-	-	-
Uinta (Colorado-Utah) Basin	Tennessee	\$24.74	\$23.68	\$25.23	1.0	6.5
Uinta (Colorado-Utah) Basin	Utah	W	W	W	W	W
Uinta (Colorado-Utah) Basin	Virginia	-	W	W	-	W
Uinta (Colorado-Utah) Basin	Wisconsin	\$46.78	\$53.57	\$60.02	13.3	12.0

- = No deliveries reported

W = Data Withheld

Source: Form EIA-923 Power Plant Operations Report

Table 14. Estimated rail transportation rates for coal, basin to state, EIA data

Basin	Destination State	Real dollars per ton			Annual percent change	
		2008	2009	2010	2008-2010	2009-2010
Northern Appalachian Basin	Delaware	\$26.24	-	W	W	-
Northern Appalachian Basin	Florida	-	\$35.10	\$35.74	-	1.8
Northern Appalachian Basin	Georgia	-	W	-	-	-
Northern Appalachian Basin	Indiana	\$18.74	\$14.70	\$14.99	-10.6	1.9
Northern Appalachian Basin	Kentucky	-	-	W	-	-
Northern Appalachian Basin	Maryland	\$18.09	\$17.86	\$18.39	0.8	3.0
Northern Appalachian Basin	Michigan	\$12.91	\$14.70	\$14.63	6.4	-0.5
Northern Appalachian Basin	New Hampshire	\$40.00	\$36.62	\$35.70	-5.5	-2.5
Northern Appalachian Basin	New Jersey	\$25.04	\$29.57	W	W	W
Northern Appalachian Basin	New York	\$14.05	\$17.19	\$21.26	23.0	23.7
Northern Appalachian Basin	North Carolina	\$16.96	\$19.99	\$22.55	15.3	12.8
Northern Appalachian Basin	Ohio	\$12.77	\$9.98	\$9.02	-15.9	-9.6
Northern Appalachian Basin	Pennsylvania	\$14.82	\$14.72	\$14.33	-1.7	-2.6
Northern Appalachian Basin	South Carolina	\$12.19	\$12.74	\$12.52	1.4	-1.7
Northern Appalachian Basin	Tennessee	-	-	W	-	-
Northern Appalachian Basin	Virginia	\$18.54	\$20.32	W	W	W
Northern Appalachian Basin	West Virginia	\$10.24	\$8.18	\$8.18	-10.6	-0.1
Northern Appalachian Basin	Wisconsin	W	W	\$17.17	W	W
Central Appalachian Basin	Alabama	\$24.04	\$22.00	\$28.74	9.3	30.7
Central Appalachian Basin	Delaware	\$13.92	\$13.39	W	W	W
Central Appalachian Basin	Florida	\$25.87	\$24.23	\$26.60	1.4	9.8
Central Appalachian Basin	Georgia	\$22.87	\$21.21	\$24.72	3.9	16.5
Central Appalachian Basin	Indiana	\$12.93	W	-	-	-
Central Appalachian Basin	Kentucky	\$12.51	\$11.99	\$10.45	-8.6	-12.9
Central Appalachian Basin	Maryland	\$20.91	\$21.46	\$20.11	-1.9	-6.3
Central Appalachian Basin	Massachusetts	W	\$10.34	W	W	W
Central Appalachian Basin	Michigan	\$13.99	\$14.94	\$15.28	4.5	2.3
Central Appalachian Basin	Mississippi	\$27.23	\$19.41	\$24.67	-4.8	27.1
Central Appalachian Basin	Missouri	W	\$34.26	W	W	W
Central Appalachian Basin	New Hampshire	W	W	W	W	W
Central Appalachian Basin	New Jersey	\$27.34	\$26.02	\$27.60	0.5	6.1
Central Appalachian Basin	New York	\$26.34	W	\$32.79	11.6	W
Central Appalachian Basin	North Carolina	\$21.11	\$18.33	\$19.73	-3.3	7.7
Central Appalachian Basin	Ohio	\$18.11	\$10.80	\$9.25	-28.5	-14.4
Central Appalachian Basin	Pennsylvania	\$23.16	\$19.60	W	W	W
Central Appalachian Basin	South Carolina	\$12.39	\$17.30	\$18.34	21.6	6.0
Central Appalachian Basin	Tennessee	\$11.38	\$11.25	\$14.06	11.1	25.0
Central Appalachian Basin	Virginia	\$15.99	\$14.84	\$15.98	-0.0	7.7
Central Appalachian Basin	West Virginia	-	\$8.63	\$8.08	-	-6.3
Southern Appalachian Basin	Alabama	\$13.29	\$12.37	\$13.93	2.4	12.6
Southern Appalachian Basin	Georgia	\$17.62	\$17.84	\$20.09	6.8	12.6
Southern Appalachian Basin	Kentucky	-	W	-	-	-

Basin	Destination State	Real dollars per ton			Annual percent change	
		2008	2009	2010	2008-2010	2009-2010
Southern Appalachian Basin	New Jersey	W	-	-	-	-
Southern Appalachian Basin	Pennsylvania	-	W	-	-	-
Illinois Basin	Alabama	\$10.33	\$8.41	\$9.13	-6.0	8.6
Illinois Basin	Florida	\$20.96	\$39.52	\$30.64	20.9	-22.5
Illinois Basin	Georgia	\$29.55	\$28.30	\$30.60	1.8	8.1
Illinois Basin	Illinois	W	W	\$7.53	W	W
Illinois Basin	Indiana	\$4.63	\$4.43	\$5.14	5.4	16.0
Illinois Basin	Iowa	\$33.07	-	-	-	-
Illinois Basin	Kentucky	\$5.18	\$5.35	\$8.83	30.6	65.0
Illinois Basin	Michigan	\$5.35	\$4.36	W	W	W
Illinois Basin	Minnesota	W	W	W	W	W
Illinois Basin	Mississippi	-	-	W	-	-
Illinois Basin	Missouri	\$6.94	W	W	W	W
Illinois Basin	New York	-	-	W	-	-
Illinois Basin	Ohio	W	-	-	-	-
Illinois Basin	Pennsylvania	W	W	-	-	-
Illinois Basin	South Carolina	W	-	\$22.04	W	-
Illinois Basin	Tennessee	\$22.41	W	W	W	W
Illinois Basin	Wisconsin	W	\$21.08	\$10.17	W	-51.7
Powder River Basin	Alabama	\$19.46	\$17.15	\$18.38	-2.8	7.2
Powder River Basin	Arizona	\$20.40	\$17.87	\$19.61	-1.9	9.8
Powder River Basin	Arkansas	\$18.19	\$16.32	\$16.46	-4.9	0.8
Powder River Basin	Colorado	\$10.45	\$10.37	\$10.35	-0.5	-0.1
Powder River Basin	Florida	W	-	-	-	-
Powder River Basin	Georgia	\$24.02	\$22.01	\$22.68	-2.8	3.0
Powder River Basin	Illinois	\$13.76	\$13.40	\$14.20	1.6	6.0
Powder River Basin	Indiana	\$22.45	\$18.85	\$18.30	-9.7	-2.9
Powder River Basin	Iowa	\$9.39	\$8.85	\$9.11	-1.5	2.9
Powder River Basin	Kansas	\$12.53	\$11.99	\$12.81	1.1	6.9
Powder River Basin	Kentucky	\$21.34	\$17.15	\$16.13	-13.1	-5.9
Powder River Basin	Louisiana	\$31.00	\$27.94	\$29.16	-3.0	4.4
Powder River Basin	Maryland	\$57.78	W	W	W	W
Powder River Basin	Michigan	\$16.41	\$14.88	\$15.38	-3.2	3.3
Powder River Basin	Minnesota	\$14.09	\$15.27	\$16.49	8.2	7.9
Powder River Basin	Mississippi	W	W	\$34.96	W	W
Powder River Basin	Missouri	\$13.71	\$11.66	\$12.61	-4.1	8.1
Powder River Basin	Montana	W	\$9.61	\$9.56	W	-0.5
Powder River Basin	Nebraska	\$7.50	\$9.04	\$9.79	14.2	8.4
Powder River Basin	Nevada	W	\$29.80	\$29.84	W	0.2
Powder River Basin	New York	\$36.25	\$32.71	-	-	-
Powder River Basin	North Dakota	\$14.18	\$12.80	\$13.40	-2.8	4.7
Powder River Basin	Ohio	\$25.32	\$24.12	\$27.86	4.9	15.5
Powder River Basin	Oklahoma	\$12.44	\$16.60	\$16.07	13.6	-3.2
Powder River Basin	Oregon	W	\$16.94	\$15.69	W	-7.4
Powder River Basin	Pennsylvania	\$36.07	\$36.19	-	-	-

Basin	Destination State	Real dollars per ton			Annual percent change	
		2008	2009	2010	2008-2010	2009-2010
Powder River Basin	South Dakota	\$19.23	\$18.44	\$19.30	0.2	4.7
Powder River Basin	Tennessee	\$21.68	\$19.50	\$20.29	-3.3	4.1
Powder River Basin	Texas	\$12.80	\$13.12	\$18.17	19.2	38.5
Powder River Basin	Washington	\$23.69	\$23.02	\$23.92	0.5	3.9
Powder River Basin	West Virginia	-	W	W	-	W
Powder River Basin	Wisconsin	\$17.38	\$17.70	\$18.12	2.1	2.4
Powder River Basin	Wyoming	\$6.93	\$5.45	\$4.97	-15.3	-8.7
Uinta (Colorado-Utah) Basin	Alabama	\$29.80	\$26.54	\$24.70	-9.0	-6.9
Uinta (Colorado-Utah) Basin	Arizona	\$25.97	W	-	-	-
Uinta (Colorado-Utah) Basin	Arkansas	W	-	-	-	-
Uinta (Colorado-Utah) Basin	California	\$27.04	\$29.74	\$34.07	12.2	14.5
Uinta (Colorado-Utah) Basin	Colorado	\$13.04	\$7.72	\$8.13	-21.1	5.3
Uinta (Colorado-Utah) Basin	Georgia	W	-	-	-	-
Uinta (Colorado-Utah) Basin	Illinois	-	-	W	-	-
Uinta (Colorado-Utah) Basin	Indiana	-	W	\$18.63	-	W
Uinta (Colorado-Utah) Basin	Iowa	\$42.13	-	-	-	-
Uinta (Colorado-Utah) Basin	Kentucky	\$22.77	\$19.65	\$21.54	-2.7	9.6
Uinta (Colorado-Utah) Basin	Michigan	\$36.25	\$42.55	\$39.18	4.0	-7.9
Uinta (Colorado-Utah) Basin	Mississippi	\$46.02	\$39.02	\$41.96	-4.5	7.5
Uinta (Colorado-Utah) Basin	Missouri	\$29.98	\$26.57	\$27.41	-4.4	3.2
Uinta (Colorado-Utah) Basin	Nebraska	W	W	-	-	-
Uinta (Colorado-Utah) Basin	Nevada	\$14.13	\$14.80	\$15.27	4.0	3.2
Uinta (Colorado-Utah) Basin	Oklahoma	-	W	-	-	-
Uinta (Colorado-Utah) Basin	Tennessee	\$22.79	\$21.58	\$22.73	-0.1	5.3
Uinta (Colorado-Utah) Basin	Utah	W	W	W	W	W
Uinta (Colorado-Utah) Basin	Virginia	-	W	W	-	W
Uinta (Colorado-Utah) Basin	Wisconsin	\$43.08	\$48.82	\$54.07	12.0	10.8

- = No deliveries reported

W = Data Withheld

Source: Form EIA-923 Power Plant Operations Report

Real values derived using the GDP Chain-type Price Index, 2005=100.

Table 15. Estimated barge transportation rates for coal, state to state, EIA data

Origin State	Destination State	Nominal dollars per ton			Annual percent change	
		2008	2009	2010	2008-2010	2009-2010
Alabama	Alabama	\$4.31	\$4.36	\$5.01	7.9	15.0
Alabama	Ohio	W	-	-	-	-
Colorado	Alabama	W	-	-	-	-
Colorado	Florida	\$11.08	\$12.65	\$13.27	9.4	4.9
Colorado	Indiana	\$6.29	W	-	-	-
Colorado	Iowa	W	-	-	-	-
Colorado	Kentucky	W	-	-	-	-
Colorado	Mississippi	-	-	W	-	-
Colorado	Ohio	-	W	-	-	-
Colorado	Tennessee	W	-	-	-	-
Illinois	Alabama	W	\$13.15	\$14.28	W	8.6
Illinois	Florida	\$14.68	\$10.31	\$12.03	-9.4	16.8
Illinois	Indiana	W	W	W	W	W
Illinois	Iowa	W	\$11.81	-	-	-
Illinois	Kentucky	\$6.43	\$7.47	\$7.87	10.6	5.3
Illinois	Mississippi	-	-	W	-	-
Illinois	Missouri	-	W	\$10.92	-	W
Illinois	Ohio	\$7.76	\$7.26	\$7.02	-4.9	-3.3
Illinois	Pennsylvania	-	-	W	-	-
Illinois	Tennessee	\$4.21	\$3.54	W	W	W
Illinois	West Virginia	W	\$14.15	W	W	W
Illinois	Wisconsin	-	-	W	-	-
Indiana	Alabama	W	\$18.38	\$20.54	W	11.7
Indiana	Florida	W	-	-	-	-
Indiana	Indiana	\$3.43	W	\$2.62	-12.7	W
Indiana	Iowa	W	W	-	-	-
Indiana	Kentucky	\$4.89	\$5.15	\$4.45	-4.6	-13.6
Indiana	Ohio	W	\$4.09	\$4.20	W	2.8
Indiana	Tennessee	-	-	W	-	-
Kentucky	Alabama	\$8.37	-	-	-	-
Kentucky	Florida	\$17.61	\$13.90	\$13.08	-13.8	-5.9
Kentucky	Indiana	W	\$3.80	\$3.36	W	-11.5
Kentucky	Iowa	W	-	-	-	-
Kentucky	Kentucky	\$4.69	\$4.28	\$4.78	0.9	11.7
Kentucky	Mississippi	-	-	\$10.56	-	-
Kentucky	Missouri	-	W	-	-	-
Kentucky	Ohio	\$3.83	\$4.20	\$3.84	0.1	-8.5
Kentucky	Pennsylvania	W	\$24.27	\$23.04	W	-5.0
Kentucky	Tennessee	W	\$3.49	\$3.63	W	3.9
Kentucky	West Virginia	W	\$3.02	\$8.80	W	191.3
Montana	Pennsylvania	W	W	W	W	W
Montana	West Virginia	\$5.58	\$4.82	W	W	W

Origin State	Destination State	Nominal dollars per ton			Annual percent change	
		2008	2009	2010	2008-2010	2009-2010
Montana	Wisconsin	W	W	W	W	W
Ohio	Florida	W	-	-	-	-
Ohio	Kentucky	\$5.77	\$4.85	\$4.67	-10.1	-3.8
Ohio	Ohio	\$4.73	\$3.46	\$3.24	-17.2	-6.4
Ohio	Pennsylvania	\$2.93	\$3.60	\$4.18	19.4	16.0
Ohio	West Virginia	W	\$2.69	\$2.52	W	-6.2
Pennsylvania	Florida	-	-	W	-	-
Pennsylvania	Indiana	\$12.15	W	W	W	W
Pennsylvania	Kentucky	W	\$7.51	-	-	-
Pennsylvania	Mississippi	-	-	W	-	-
Pennsylvania	Ohio	\$5.59	\$5.01	\$5.70	1.0	13.7
Pennsylvania	Pennsylvania	\$4.76	\$5.92	\$6.34	15.4	7.1
Pennsylvania	Tennessee	W	W	W	W	W
Pennsylvania	West Virginia	W	W	\$8.97	W	W
Pennsylvania	Wisconsin	-	W	-	-	-
Tennessee	Florida	W	-	-	-	-
Utah	Florida	-	W	W	-	W
Virginia	Florida	-	W	-	-	-
Virginia	Kentucky	W	-	-	-	-
Virginia	West Virginia	-	W	W	-	W
West Virginia	Alabama	-	W	W	-	W
West Virginia	Florida	\$14.57	\$10.03	\$11.88	-9.7	18.5
West Virginia	Indiana	W	\$9.17	\$5.88	W	-35.9
West Virginia	Kentucky	\$4.97	\$5.02	\$4.64	-3.3	-7.5
West Virginia	Mississippi	-	-	\$11.24	-	-
West Virginia	Ohio	\$5.31	\$3.76	\$3.70	-16.5	-1.5
West Virginia	Pennsylvania	\$3.43	\$2.35	\$2.42	-16.2	2.8
West Virginia	Tennessee	W	W	W	W	W
West Virginia	Virginia	-	-	W	-	-
West Virginia	West Virginia	W	\$7.75	\$3.84	W	-50.4
Wyoming	Alabama	-	-	W	-	-
Wyoming	Illinois	W	\$11.42	\$12.78	W	11.9
Wyoming	Indiana	W	W	-	-	-
Wyoming	Iowa	\$13.36	\$13.20	W	W	W

- = No deliveries reported

W = Data Withheld

Source: Form EIA-923 Power Plant Operations Report

Table 16. Estimated barge transportation rates for coal, state to state, EIA data

Origin State	Destination State	Real dollars per ton			Annual percent change	
		2008	2009	2010	2008-2010	2009-2010
Alabama	Alabama	\$3.97	\$3.97	\$4.52	6.7	13.7
Alabama	Ohio	W	-	-	-	-
Colorado	Alabama	W	-	-	-	-
Colorado	Florida	\$10.21	\$11.53	\$11.95	8.2	3.7
Colorado	Indiana	\$5.79	W	-	-	-
Colorado	Iowa	W	-	-	-	-
Colorado	Kentucky	W	-	-	-	-
Colorado	Mississippi	-	-	W	-	-
Colorado	Ohio	-	W	-	-	-
Colorado	Tennessee	W	-	-	-	-
Illinois	Alabama	W	\$11.99	\$12.87	W	7.3
Illinois	Florida	\$13.52	\$9.39	\$10.84	-10.4	15.4
Illinois	Indiana	W	W	W	W	W
Illinois	Iowa	W	\$10.76	-	-	-
Illinois	Kentucky	\$5.93	\$6.81	\$7.09	9.4	4.1
Illinois	Mississippi	-	-	W	-	-
Illinois	Missouri	-	W	\$9.84	-	W
Illinois	Ohio	\$7.15	\$6.62	\$6.32	-6.0	-4.4
Illinois	Pennsylvania	-	-	W	-	-
Illinois	Tennessee	\$3.88	\$3.22	W	W	W
Illinois	West Virginia	W	\$12.90	W	W	W
Illinois	Wisconsin	-	-	W	-	-
Indiana	Alabama	W	\$16.75	\$18.51	W	10.5
Indiana	Florida	W	-	-	-	-
Indiana	Indiana	\$3.16	W	\$2.36	-13.7	W
Indiana	Iowa	W	W	-	-	-
Indiana	Kentucky	\$4.51	\$4.70	\$4.01	-5.6	-14.6
Indiana	Ohio	W	\$3.73	\$3.79	W	1.6
Indiana	Tennessee	-	-	W	-	-
Kentucky	Alabama	\$7.70	-	-	-	-
Kentucky	Florida	\$16.22	\$12.67	\$11.79	-14.8	-6.9
Kentucky	Indiana	W	\$3.46	\$3.03	W	-12.5
Kentucky	Iowa	W	-	-	-	-
Kentucky	Kentucky	\$4.32	\$3.90	\$4.30	-0.2	10.5
Kentucky	Mississippi	-	-	\$9.51	-	-
Kentucky	Missouri	-	W	-	-	-
Kentucky	Ohio	\$3.53	\$3.82	\$3.46	-1.0	-9.5
Kentucky	Pennsylvania	W	\$22.12	\$20.76	W	-6.1
Kentucky	Tennessee	W	\$3.18	\$3.27	W	2.7
Kentucky	West Virginia	W	\$2.75	\$7.92	W	188.0
Montana	Pennsylvania	W	W	W	W	W
Montana	West Virginia	\$5.14	\$4.40	W	W	W

Origin State	Destination State	Real dollars per ton			Annual percent change	
		2008	2009	2010	2008-2010	2009-2010
Montana	Wisconsin	W	W	W	W	W
Ohio	Florida	W	-	-	-	-
Ohio	Kentucky	\$5.31	\$4.42	\$4.20	-11.0	-4.9
Ohio	Ohio	\$4.35	\$3.15	\$2.92	-18.1	-7.5
Ohio	Pennsylvania	\$2.70	\$3.28	\$3.77	18.1	14.7
Ohio	West Virginia	W	\$2.45	\$2.27	W	-7.2
Pennsylvania	Florida	-	-	W	-	-
Pennsylvania	Indiana	\$11.19	W	W	W	W
Pennsylvania	Kentucky	W	\$6.84	-	-	-
Pennsylvania	Mississippi	-	-	W	-	-
Pennsylvania	Ohio	\$5.15	\$4.57	\$5.13	-0.2	12.4
Pennsylvania	Pennsylvania	\$4.38	\$5.40	\$5.71	14.2	5.9
Pennsylvania	Tennessee	W	W	W	W	W
Pennsylvania	West Virginia	W	W	\$8.08	W	W
Pennsylvania	Wisconsin	-	W	-	-	-
Tennessee	Florida	W	-	-	-	-
Utah	Florida	-	W	W	-	W
Virginia	Florida	-	W	-	-	-
Virginia	Kentucky	W	-	-	-	-
Virginia	West Virginia	-	W	W	-	W
West Virginia	Alabama	-	W	W	-	W
West Virginia	Florida	\$13.42	\$9.14	\$10.70	-10.7	17.2
West Virginia	Indiana	W	\$8.36	\$5.29	W	-36.7
West Virginia	Kentucky	\$4.57	\$4.57	\$4.18	-4.4	-8.5
West Virginia	Mississippi	-	-	\$10.13	-	-
West Virginia	Ohio	\$4.89	\$3.42	\$3.33	-17.4	-2.7
West Virginia	Pennsylvania	\$3.16	\$2.14	\$2.18	-17.1	1.6
West Virginia	Tennessee	W	W	W	W	W
West Virginia	Virginia	-	-	W	-	-
West Virginia	West Virginia	W	\$7.07	\$3.46	W	-51.0
Wyoming	Alabama	-	-	W	-	-
Wyoming	Illinois	W	\$10.40	\$11.51	W	10.7
Wyoming	Indiana	W	W	-	-	-
Wyoming	Iowa	\$12.31	\$12.03	W	W	W

- = No deliveries reported

W = Data Withheld

Source: Form EIA-923 Power Plant Operations Report

Real values derived using the GDP Chain-type Price Index, 2005=100.

Table 17. Estimated truck transportation rates for coal, state to state, EIA data

Origin State	Destination State	Nominal dollars per ton			Annual percent change	
		2008	2009	2010	2008-2010	2009-2010
Alabama	Alabama	W	W	W	W	W
Alabama	Georgia	-	-	W	-	-
Alabama	Indiana	W	W	-	-	-
Colorado	Colorado	W	W	W	W	W
Colorado	Michigan	-	-	W	-	-
Illinois	Florida	W	-	-	-	-
Illinois	Illinois	\$8.16	\$5.20	\$3.75	-32.2	-27.9
Illinois	Indiana	W	W	-	-	-
Illinois	Minnesota	W	W	-	-	-
Illinois	Missouri	\$23.60	\$22.20	\$14.77	-20.9	-33.5
Indiana	Alabama	-	W	-	-	-
Indiana	Illinois	-	-	W	-	-
Indiana	Indiana	\$4.98	\$3.96	\$4.64	-3.5	17.2
Kansas	Missouri	W	W	W	W	W
Kentucky	Florida	W	W	W	W	W
Kentucky	Georgia	W	-	W	W	-
Kentucky	Illinois	\$7.16	\$7.62	W	W	W
Kentucky	Kentucky	\$4.83	\$9.80	\$3.32	-17.1	-66.1
Kentucky	Maryland	-	W	-	-	-
Kentucky	Minnesota	W	W	-	-	-
Kentucky	North Carolina	-	-	\$34.18	-	-
Kentucky	Pennsylvania	-	-	W	-	-
Kentucky	South Carolina	-	-	\$33.81	-	-
Kentucky	Tennessee	W	-	W	W	-
Louisiana	Louisiana	W	-	-	-	-
Maryland	Maryland	W	\$12.49	\$12.16	W	-2.7
Maryland	West Virginia	W	-	-	-	-
Missouri	Kansas	W	W	W	W	W
Missouri	Missouri	W	W	W	W	W
Montana	Montana	W	W	W	W	W
North Dakota	North Dakota	W	-	-	-	-
Ohio	Michigan	W	\$19.87	\$25.05	W	26.1
Ohio	New York	W	\$18.35	-	-	-
Ohio	Ohio	\$8.13	\$5.64	\$9.87	10.1	75.1
Ohio	Pennsylvania	W	W	W	W	W
Ohio	West Virginia	W	-	-	-	-
Oklahoma	Oklahoma	-	-	W	-	-
Pennsylvania	Maryland	W	\$14.05	\$14.27	W	1.6
Pennsylvania	New York	\$12.35	\$17.93	-	-	-
Pennsylvania	Pennsylvania	\$6.35	\$3.32	\$4.62	-14.7	38.9
Pennsylvania	West Virginia	\$8.90	\$8.04	W	W	W
Texas	Texas	W	W	\$8.21	W	W

Table 18. Estimated truck transportation rates for coal, state to state, EIA data

Origin State	Destination State	Real dollars per ton			Annual percent change	
		2008	2009	2010	2008-2010	2009-2010
Alabama	Alabama	W	W	W	W	W
Alabama	Georgia	-	-	W	-	-
Alabama	Indiana	W	W	-	-	-
Colorado	Colorado	W	W	W	W	W
Colorado	Michigan	-	-	W	-	-
Illinois	Florida	W	-	-	-	-
Illinois	Illinois	\$7.51	\$4.74	\$3.37	-33.0	-28.8
Illinois	Indiana	W	W	-	-	-
Illinois	Minnesota	W	W	-	-	-
Illinois	Missouri	\$21.73	\$20.23	\$13.30	-21.8	-34.3
Indiana	Alabama	-	W	-	-	-
Indiana	Illinois	-	-	W	-	-
Indiana	Indiana	\$4.59	\$3.61	\$4.18	-4.6	15.9
Kansas	Missouri	W	W	W	W	W
Kentucky	Florida	W	W	W	W	W
Kentucky	Georgia	W	-	W	W	-
Kentucky	Illinois	\$6.59	\$6.94	W	W	W
Kentucky	Kentucky	\$4.45	\$8.93	\$2.99	-18.0	-66.5
Kentucky	Maryland	-	W	-	-	-
Kentucky	Minnesota	W	W	-	-	-
Kentucky	North Carolina	-	-	\$30.79	-	-
Kentucky	Pennsylvania	-	-	W	-	-
Kentucky	South Carolina	-	-	\$30.46	-	-
Kentucky	Tennessee	W	-	W	W	-
Louisiana	Louisiana	W	-	-	-	-
Maryland	Maryland	W	\$11.38	\$10.95	W	-3.8
Maryland	West Virginia	W	-	-	-	-
Missouri	Kansas	W	W	W	W	W
Missouri	Missouri	W	W	W	W	W
Montana	Montana	W	W	W	W	W
North Dakota	North Dakota	W	-	-	-	-
Ohio	Michigan	W	\$18.10	\$22.57	W	24.6
Ohio	New York	W	\$16.73	-	-	-
Ohio	Ohio	\$7.49	\$5.14	\$8.89	8.9	73.1
Ohio	Pennsylvania	W	W	W	W	W
Ohio	West Virginia	W	-	-	-	-
Oklahoma	Oklahoma	-	-	W	-	-
Pennsylvania	Maryland	W	\$12.80	\$12.86	W	0.4
Pennsylvania	New York	\$11.38	\$16.34	-	-	-
Pennsylvania	Pennsylvania	\$5.85	\$3.03	\$4.16	-15.7	37.4
Pennsylvania	West Virginia	\$8.19	\$7.32	W	W	W
Texas	Texas	W	W	\$7.40	W	W

Origin State	Destination State	Real dollars per ton			Annual percent change	
		2008	2009	2010	2008-2010	2009-2010
Utah	California	-	W	-	-	-
Utah	Utah	\$2.35	\$4.22	\$4.76	42.2	12.6
Virginia	Mississippi	-	W	-	-	-
Virginia	North Carolina	W	-	W	W	-
Virginia	Virginia	W	W	-	-	-
West Virginia	Alabama	W	-	-	-	-
West Virginia	Kentucky	-	W	-	-	-
West Virginia	Michigan	W	-	-	-	-
West Virginia	Mississippi	-	W	-	-	-
West Virginia	North Carolina	-	-	\$21.98	-	-
West Virginia	Ohio	W	-	W	W	-
West Virginia	Pennsylvania	W	-	W	W	-
West Virginia	South Carolina	-	-	W	-	-
West Virginia	West Virginia	\$6.51	\$3.38	\$3.41	-27.6	0.9

- = No deliveries reported

W = Data Withheld

Source: Form EIA-923 Power Plant Operations Report

Real values derived using the GDP Chain-type Price Index, 2005=100.

Origin State	Destination State	Nominal dollars per ton			Annual percent change	
		2008	2009	2010	2008-2010	2009-2010
Utah	California	-	W	-	-	-
Utah	Utah	\$2.55	\$4.63	\$5.28	43.7	13.9
Virginia	Mississippi	-	W	-	-	-
Virginia	North Carolina	W	-	W	W	-
Virginia	Virginia	W	W	-	-	-
West Virginia	Alabama	W	-	-	-	-
West Virginia	Kentucky	-	W	-	-	-
West Virginia	Michigan	W	-	-	-	-
West Virginia	Mississippi	-	W	-	-	-
West Virginia	North Carolina	-	-	\$24.39	-	-
West Virginia	Ohio	W	-	W	W	-
West Virginia	Pennsylvania	W	-	W	W	-
West Virginia	South Carolina	-	-	W	-	-
West Virginia	West Virginia	\$7.07	\$3.71	\$3.79	-26.8	2.1

- = No deliveries reported

W = Data Withheld

Source: Form EIA-923 Power Plant Operations Report

Table 19. Estimated rail transportation rates for coal, state to state, 2008

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	\$14.43	W	\$65.38	22.1%	4,509	W	81.8%
Alabama	Georgia	W	W	W	W	W	W	W	W
Alabama	Illinois	W	-	-	-	-	-	-	-
Alabama	New Jersey	-	W	-	W	W	W	-	W
Arizona	Arizona	-	W	-	W	W	W	-	W
Colorado	Alabama	W	\$34.52	W	\$62.70	55.1%	2,898	W	96.7%
Colorado	Arizona	W	W	W	W	W	W	W	W
Colorado	Arkansas	W	W	W	W	W	W	W	W
Colorado	Colorado	\$10.67	\$14.16	32.7%	\$39.03	36.3%	7,105	39.3%	52.7%
Colorado	Delaware	W	-	-	-	-	-	-	-
Colorado	Georgia	W	W	W	W	W	W	W	W
Colorado	Iowa	-	W	-	W	W	W	-	W
Colorado	Kentucky	W	W	W	W	W	W	W	W
Colorado	Michigan	-	\$38.75	-	\$72.63	53.4%	881	-	100.0%
Colorado	Mississippi	W	\$49.97	W	\$81.80	61.1%	1,624	W	60.2%
Colorado	Nevada	W	W	W	W	W	W	W	W
Colorado	Oklahoma	W	-	-	-	-	-	-	-
Colorado	Tennessee	-	\$24.46	-	\$50.72	48.2%	2,102	-	83.5%
Colorado	Texas	W	-	-	-	-	-	-	-
Colorado	Utah	-	W	-	W	W	W	-	W
Colorado	Wisconsin	-	\$48.05	-	\$80.03	60.0%	1,084	-	81.4%
Illinois	Alabama	W	W	W	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	Georgia	-	W	-	W	W	W	-	W
Illinois	Illinois	W	W	W	W	W	W	W	W
Illinois	Indiana	W	\$11.18	W	\$42.12	26.5%	4,824	W	82.6%
Illinois	Iowa	W	W	W	W	W	W	W	W
Illinois	Michigan	-	W	-	W	W	W	-	W
Illinois	Minnesota	-	W	-	W	W	W	-	W
Illinois	Missouri	-	W	-	W	W	W	-	W
Illinois	Ohio	-	W	-	W	W	W	-	W
Illinois	Tennessee	-	W	-	W	W	W	-	W
Illinois	Wisconsin	W	-	-	-	-	-	-	-
Indiana	Georgia	-	W	-	W	W	W	-	W
Indiana	Indiana	\$3.50	\$3.81	8.9%	\$37.49	10.2%	20,601	17.7%	98.3%
Indiana	Iowa	-	W	-	W	W	W	-	W
Indiana	Kentucky	-	W	-	W	W	W	-	W
Indiana	Michigan	-	W	-	W	W	W	-	W
Indiana	South Carolina	-	W	-	W	W	W	-	W
Indiana	Wisconsin	-	W	-	W	W	W	-	W
Kentucky	Alabama	W	\$15.61	W	\$68.47	22.8%	2,606	W	100.0%
Kentucky	Delaware	\$20.90	\$16.20	-22.5%	\$76.53	21.2%	375	39.5%	58.7%
Kentucky	Florida	\$33.87	\$24.86	-26.6%	\$71.12	35.0%	7,955	21.3%	100.0%
Kentucky	Georgia	\$23.11	\$24.47	5.9%	\$83.97	29.1%	17,150	29.6%	96.8%
Kentucky	Illinois	W	-	-	-	-	-	-	-
Kentucky	Indiana	W	W	W	W	W	W	W	W
Kentucky	Kentucky	\$6.87	\$7.62	10.9%	\$48.01	15.9%	8,304	28.0%	100.0%
Kentucky	Maryland	W	\$24.43	W	\$113.47	21.5%	530	W	100.0%
Kentucky	Massachusetts	-	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
Kentucky	Michigan	\$14.70	\$14.51	-1.3%	\$65.26	22.2%	5,180	43.5%	94.1%
Kentucky	Mississippi	W	W	W	W	W	W	W	W
Kentucky	Missouri	W	W	W	W	W	W	W	W
Kentucky	New Jersey	W	W	W	W	W	W	W	W
Kentucky	New York	W	W	W	W	W	W	W	W
Kentucky	North Carolina	\$23.41	\$22.22	-5.1%	\$82.86	26.8%	11,006	38.7%	91.1%
Kentucky	Ohio	\$19.20	W	W	W	W	W	41.4%	W
Kentucky	Pennsylvania	W	\$26.06	W	\$76.51	34.1%	514	W	100.0%
Kentucky	South Carolina	\$15.14	\$13.08	-13.6%	\$70.79	18.5%	10,221	24.5%	96.6%
Kentucky	Tennessee	\$15.40	\$13.82	-10.3%	\$69.12	20.0%	3,334	18.0%	100.0%
Kentucky	Virginia	\$21.15	\$18.89	-10.7%	\$69.19	27.3%	3,385	55.3%	100.0%
Kentucky	West Virginia	W	-	-	-	-	-	-	-
Kentucky	Wisconsin	W	-	-	-	-	-	-	-
Montana	Arizona	W	W	W	W	W	W	W	W
Montana	Indiana	W	\$34.46	W	\$46.92	73.5%	1,543	W	100.0%
Montana	Michigan	-	\$15.34	-	\$25.42	60.4%	8,177	-	92.1%
Montana	Minnesota	\$14.95	\$13.77	-7.9%	\$23.28	59.1%	9,609	51.9%	51.7%
Montana	New York	-	\$39.36	-	\$55.87	70.5%	257	-	100.0%
Montana	North Dakota	W	W	W	W	W	W	W	W
Montana	Ohio	W	\$46.27	W	\$61.03	75.8%	130	W	98.2%
Montana	Pennsylvania	-	W	-	W	W	W	-	W
Montana	Texas	W	-	-	-	-	-	-	-
Montana	Washington	W	W	W	W	W	W	W	W
New Mexico	Arizona	W	\$7.45	W	\$31.73	23.5%	7,628	W	95.0%
New Mexico	Colorado	W	-	-	-	-	-	-	-
North Dakota	North Dakota	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
Ohio	Delaware	W	-	-	-	-	-	-	-
Ohio	Michigan	-	W	-	W	W	W	-	W
Ohio	New York	-	W	-	W	W	W	-	W
Ohio	Ohio	W	-	-	-	-	-	-	-
Ohio	Pennsylvania	W	\$18.52	W	\$60.31	30.7%	416	W	100.0%
Pennsylvania	Delaware	-	W	-	W	W	W	-	W
Pennsylvania	Indiana	W	\$19.61	W	\$69.00	28.4%	1,007	W	60.2%
Pennsylvania	Maryland	\$21.74	\$20.89	-3.9%	\$81.79	25.5%	2,162	37.7%	100.0%
Pennsylvania	Michigan	W	W	W	W	W	W	W	W
Pennsylvania	New Hampshire	W	\$43.41	W	\$92.63	46.9%	340	W	89.4%
Pennsylvania	New Jersey	W	\$27.14	W	\$73.87	36.7%	1,061	W	76.7%
Pennsylvania	New York	W	\$21.62	W	\$63.93	33.8%	1,246	W	38.8%
Pennsylvania	Ohio	\$13.06	\$13.58	4.0%	\$51.55	26.3%	1,221	52.2%	64.0%
Pennsylvania	Pennsylvania	\$14.32	\$11.83	-17.4%	\$59.95	19.7%	17,458	30.7%	92.9%
Pennsylvania	South Carolina	W	\$13.23	W	\$50.01	26.5%	2,378	W	96.1%
Pennsylvania	West Virginia	W	\$11.18	W	\$56.37	19.8%	1,011	W	100.0%
Tennessee	Georgia	W	\$24.30	W	\$93.97	25.9%	94	W	100.0%
Tennessee	North Carolina	W	W	W	W	W	W	W	W
Tennessee	South Carolina	W	\$14.15	W	\$70.82	20.0%	484	W	60.1%
Tennessee	Tennessee	W	-	-	-	-	-	-	-
Texas	Texas	W	-	-	-	-	-	-	-
Utah	Alabama	W	\$28.66	W	\$60.16	47.6%	1,762	W	92.8%
Utah	California	W	\$29.36	W	\$69.78	42.1%	1,032	W	90.0%
Utah	Colorado	W	-	-	-	-	-	-	-
Utah	Kentucky	W	W	W	W	W	W	W	W
Utah	Michigan	-	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	Missouri	W	W	W	W	W	W	W	W
Utah	Nebraska	W	W	W	W	W	W	W	W
Utah	Nevada	W	\$14.24	W	\$50.54	28.2%	2,224	W	93.0%
Utah	Tennessee	-	W	-	W	W	W	-	W
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	-	W	W	W	-	W
Virginia	Georgia	\$24.68	\$25.58	3.6%	\$87.18	29.3%	2,933	79.3%	89.6%
Virginia	Indiana	W	-	-	-	-	-	-	-
Virginia	Mississippi	W	\$29.13	W	\$84.54	34.5%	816	W	100.0%
Virginia	New Hampshire	W	W	W	W	W	W	W	W
Virginia	New Jersey	-	\$29.43	-	\$94.48	31.2%	858	-	77.5%
Virginia	North Carolina	\$26.42	\$21.63	-18.1%	\$74.71	29.0%	1,194	35.2%	81.9%
Virginia	Ohio	W	W	W	W	W	W	W	W
Virginia	Oklahoma	W	-	-	-	-	-	-	-
Virginia	Pennsylvania	W	W	W	W	W	W	W	W
Virginia	South Carolina	W	\$12.35	W	\$96.76	12.8%	53	W	100.0%
Virginia	Tennessee	\$11.48	\$8.24	-28.3%	\$77.04	10.7%	405	100.0%	94.6%
Virginia	Virginia	\$23.56	\$13.11	-44.4%	\$61.75	21.2%	5,425	18.2%	49.8%
West Virginia	Alabama	W	W	W	W	W	W	W	W
West Virginia	Delaware	\$23.85	\$15.09	-36.7%	\$96.82	15.6%	1,074	43.5%	25.5%
West Virginia	Florida	\$30.66	\$30.78	0.4%	\$87.48	35.2%	3,335	24.5%	97.0%
West Virginia	Georgia	\$28.15	\$27.78	-1.3%	\$89.44	31.1%	1,752	47.0%	87.0%
West Virginia	Indiana	W	\$20.94	W	\$61.18	34.2%	1,456	W	50.4%

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
West Virginia	Kentucky	W	W	W	W	W	W	W	W
West Virginia	Maryland	\$19.16	\$20.89	9.0%	\$102.69	20.3%	6,294	11.3%	99.9%
West Virginia	Michigan	\$14.63	\$17.72	21.1%	\$80.23	22.1%	1,530	29.9%	87.3%
West Virginia	Mississippi	W	W	W	W	W	W	W	W
West Virginia	New Hampshire	W	\$43.48	W	\$87.24	49.8%	160	W	89.5%
West Virginia	New Jersey	W	W	W	W	W	W	W	W
West Virginia	New York	\$19.63	\$14.44	-26.4%	\$51.73	27.9%	2,572	47.7%	98.9%
West Virginia	North Carolina	\$25.09	\$23.01	-8.3%	\$77.87	29.6%	17,735	34.3%	95.6%
West Virginia	Ohio	W	\$19.78	W	\$58.69	33.7%	965	W	100.0%
West Virginia	Pennsylvania	\$16.46	\$18.72	13.7%	\$63.82	29.3%	3,549	58.2%	92.9%
West Virginia	South Carolina	\$15.70	\$15.37	-2.1%	\$79.49	19.3%	2,090	31.4%	100.0%
West Virginia	Tennessee	W	\$11.00	W	\$63.69	17.3%	2,478	W	99.5%
West Virginia	Virginia	\$18.14	\$20.56	13.3%	\$73.08	28.1%	1,175	100.0%	100.0%
West Virginia	West Virginia	\$7.52	\$10.74	42.7%	\$64.07	16.8%	191	100.0%	96.7%
West Virginia	Wisconsin	-	W	-	W	W	W	-	W
Wyoming	Alabama	W	\$21.13	W	\$31.26	67.6%	13,402	W	97.5%
Wyoming	Arizona	W	\$21.81	W	\$32.15	67.8%	5,320	W	99.8%
Wyoming	Arkansas	W	\$19.75	W	\$29.39	67.2%	15,488	W	83.3%
Wyoming	Colorado	\$9.89	\$11.35	14.7%	\$20.00	56.7%	7,297	52.4%	100.0%
Wyoming	Florida	-	W	-	W	W	W	-	W
Wyoming	Georgia	-	\$26.08	-	\$35.08	74.4%	14,613	-	100.0%
Wyoming	Idaho	W	-	-	-	-	-	-	-
Wyoming	Illinois	\$13.85	\$14.94	7.9%	\$26.85	55.7%	54,440	34.5%	97.0%
Wyoming	Indiana	W	\$22.46	W	\$32.38	69.4%	18,603	W	44.5%
Wyoming	Iowa	\$8.87	\$10.19	14.9%	\$19.34	52.7%	25,349	45.2%	91.2%
Wyoming	Kansas	\$13.95	\$13.60	-2.4%	\$23.80	57.2%	21,317	24.7%	91.6%

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
Wyoming	Kentucky	W	\$23.17	W	\$32.48	71.4%	1,927	W	100.0%
Wyoming	Louisiana	W	\$33.67	W	\$45.07	74.7%	11,517	W	36.1%
Wyoming	Maryland	W	\$62.74	W	\$73.07	85.9%	306	W	51.3%
Wyoming	Michigan	\$20.88	\$18.45	-11.6%	\$30.55	60.4%	20,365	21.7%	95.7%
Wyoming	Minnesota	\$19.31	\$17.55	-9.1%	\$30.09	58.3%	8,059	46.2%	42.0%
Wyoming	Mississippi	W	W	W	W	W	W	W	W
Wyoming	Missouri	\$13.70	\$14.89	8.7%	\$25.38	58.7%	42,595	49.4%	100.0%
Wyoming	Montana	W	W	W	W	W	W	W	W
Wyoming	Nebraska	\$7.37	\$8.15	10.6%	\$16.90	48.2%	14,118	37.1%	35.3%
Wyoming	Nevada	W	W	W	W	W	W	W	W
Wyoming	New Jersey	W	-	-	-	-	-	-	-
Wyoming	New York	W	-	-	-	-	-	-	-
Wyoming	North Carolina	W	-	-	-	-	-	-	-
Wyoming	North Dakota	W	W	W	W	W	W	W	W
Wyoming	Ohio	\$33.29	\$27.33	-17.9%	\$39.44	69.3%	11,801	31.9%	82.9%
Wyoming	Oklahoma	\$13.52	\$13.51	-0.1%	\$23.25	58.1%	21,828	35.3%	71.2%
Wyoming	Oregon	-	W	-	W	W	W	-	W
Wyoming	South Dakota	W	\$20.88	W	\$30.07	69.4%	2,467	W	87.1%
Wyoming	Tennessee	-	\$23.54	-	\$35.09	67.1%	9,775	-	98.6%
Wyoming	Texas	\$15.74	\$13.89	-11.7%	\$27.12	51.2%	63,582	49.5%	62.9%
Wyoming	Utah	W	-	-	-	-	-	-	-
Wyoming	Washington	W	W	W	W	W	W	W	W
Wyoming	Wisconsin	\$18.43	\$18.87	2.4%	\$30.21	62.5%	23,307	37.8%	85.4%
Wyoming	Wyoming	\$6.95	\$6.74	-3.0%	\$16.97	39.8%	16,977	43.7%	84.1%

- = No data reported or value not applicable

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

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

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

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%

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
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%

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
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

Table 21. Estimated rail transportation rates for coal, basin to state, 2008
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	Delaware	W	\$28.49	W	\$131.87	21.6%	59	W	100.0%
Northern Appalachian Basin	Florida	W	-	-	-	-	-	-	-
Northern Appalachian Basin	Indiana	W	\$20.35	W	\$64.82	31.4%	1,715	W	75.9%
Northern Appalachian Basin	Maryland	\$19.73	\$19.64	-0.4%	\$81.15	24.2%	4,650	24.8%	99.3%
Northern Appalachian Basin	Michigan	W	\$14.02	W	\$76.22	18.4%	713	W	100.0%
Northern Appalachian Basin	New Hampshire	W	\$43.43	W	\$90.90	47.8%	499	W	89.6%
Northern Appalachian Basin	New Jersey	W	\$27.19	W	\$74.81	36.3%	1,864	W	44.1%
Northern Appalachian Basin	New York	\$20.08	\$15.26	-24.0%	\$53.68	28.4%	3,726	39.2%	79.1%
Northern Appalachian Basin	North Carolina	W	\$18.41	W	\$61.66	29.9%	1,509	W	93.2%
Northern Appalachian Basin	Ohio	\$11.96	\$13.86	15.9%	\$53.68	25.8%	1,573	73.8%	68.3%
Northern Appalachian Basin	Pennsylvania	\$14.45	\$16.10	11.4%	\$60.47	26.6%	20,702	34.2%	58.7%
Northern Appalachian Basin	South Carolina	W	\$13.23	W	\$50.01	26.5%	2,378	W	96.1%
Northern Appalachian Basin	Virginia	-	\$20.14	-	\$73.11	27.5%	20	-	100.0%
Northern Appalachian Basin	West Virginia	\$9.19	\$11.12	20.9%	\$57.56	19.3%	1,315	49.6%	90.9%
Northern Appalachian Basin	Wisconsin	-	W	-	W	W	W	-	W
Central Appalachian Basin	Alabama	\$26.18	\$26.10	-0.3%	\$118.06	22.1%	930	37.4%	100.0%
Central Appalachian Basin	Delaware	\$23.73	\$15.12	-36.3%	\$88.59	17.1%	1,811	40.8%	24.2%
Central Appalachian Basin	Florida	\$34.94	\$28.09	-19.6%	\$83.80	33.5%	8,063	20.9%	99.9%
Central Appalachian Basin	Georgia	\$23.98	\$24.84	3.6%	\$85.12	29.2%	21,907	39.0%	98.3%
Central Appalachian Basin	Illinois	W	-	-	-	-	-	-	-
Central Appalachian Basin	Indiana	W	\$14.03	W	\$95.25	14.7%	1,048	W	30.3%
Central Appalachian Basin	Kentucky	W	\$13.58	W	\$72.04	18.9%	2,524	W	96.5%
Central Appalachian Basin	Maryland	W	\$22.71	W	\$117.08	19.4%	4,336	W	99.8%

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	Massachusetts	-	W	-	W	W	W	-	W
Central Appalachian Basin	Michigan	\$14.70	\$15.19	3.4%	\$66.77	22.7%	6,482	41.2%	91.1%
Central Appalachian Basin	Mississippi	W	\$29.57	W	\$83.78	35.3%	1,059	W	100.0%
Central Appalachian Basin	Missouri	W	W	W	W	W	W	W	W
Central Appalachian Basin	New Hampshire	W	W	W	W	W	W	W	W
Central Appalachian Basin	New Jersey	W	\$29.68	W	\$95.09	31.2%	1,144	W	66.7%
Central Appalachian Basin	New York	\$27.67	\$28.60	3.4%	\$83.22	34.4%	239	56.2%	66.5%
Central Appalachian Basin	North Carolina	\$24.82	\$22.93	-7.6%	\$80.52	28.5%	28,586	36.2%	93.0%
Central Appalachian Basin	Ohio	\$14.60	\$19.66	34.6%	\$61.97	31.7%	1,203	80.9%	100.0%
Central Appalachian Basin	Oklahoma	W	-	-	-	-	-	-	-
Central Appalachian Basin	Pennsylvania	\$24.45	\$25.15	2.9%	\$74.80	33.6%	1,244	49.0%	100.0%
Central Appalachian Basin	South Carolina	\$15.41	\$13.46	-12.7%	\$72.34	18.6%	12,849	25.1%	94.0%
Central Appalachian Basin	Tennessee	\$11.62	\$12.36	6.4%	\$67.55	18.3%	6,180	44.9%	99.8%
Central Appalachian Basin	Virginia	\$20.25	\$17.36	-14.3%	\$67.68	25.6%	9,965	42.0%	91.2%
Central Appalachian Basin	West Virginia	\$7.63	-	-	-	-	-	-	-
Southern Appalachian Basin	Alabama	W	\$14.43	W	\$65.38	22.1%	4,509	W	81.8%
Southern Appalachian Basin	Georgia	W	\$19.13	W	\$75.02	25.5%	772	W	100.0%
Southern Appalachian Basin	Illinois	W	-	-	-	-	-	-	-
Southern Appalachian Basin	New Jersey	-	W	-	W	W	W	-	W
Illinois Basin	Alabama	W	\$11.22	W	\$42.66	26.3%	2,378	W	100.0%
Illinois Basin	Florida	W	\$22.76	W	\$55.88	40.7%	3,739	W	99.5%
Illinois Basin	Georgia	-	\$32.08	-	\$84.89	37.8%	148	-	100.0%
Illinois Basin	Illinois	W	W	W	W	W	W	W	W
Illinois Basin	Indiana	\$3.71	\$5.02	35.2%	\$38.25	13.1%	25,490	17.1%	95.1%
Illinois Basin	Iowa	W	\$35.91	W	\$93.90	38.2%	136	W	26.0%
Illinois Basin	Kentucky	W	\$5.63	W	\$38.74	14.5%	6,807	W	99.8%

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	Michigan	-	\$5.80	-	\$59.51	9.8%	164	-	99.7%
Illinois Basin	Minnesota	-	W	-	W	W	W	-	W
Illinois Basin	Missouri	-	\$7.53	-	\$41.88	18.0%	641	-	100.0%
Illinois Basin	Ohio	-	W	-	W	W	W	-	W
Illinois Basin	Pennsylvania	-	W	-	W	W	W	-	W
Illinois Basin	South Carolina	-	W	-	W	W	W	-	W
Illinois Basin	Tennessee	-	\$24.33	-	\$57.98	42.0%	80	-	92.4%
Illinois Basin	Wisconsin	W	W	W	W	W	W	W	W
Powder River Basin	Alabama	W	\$21.13	W	\$31.26	67.6%	13,402	W	97.5%
Powder River Basin	Arizona	\$21.96	\$22.15	0.9%	\$32.35	68.5%	6,041	48.4%	99.8%
Powder River Basin	Arkansas	W	\$19.75	W	\$29.39	67.2%	15,488	W	83.3%
Powder River Basin	Colorado	\$9.89	\$11.35	14.7%	\$20.00	56.7%	7,297	52.4%	100.0%
Powder River Basin	Florida	-	W	-	W	W	W	-	W
Powder River Basin	Georgia	-	\$26.08	-	\$35.08	74.4%	14,613	-	100.0%
Powder River Basin	Illinois	\$13.85	\$14.94	7.9%	\$26.85	55.7%	54,440	34.5%	97.0%
Powder River Basin	Indiana	W	\$24.38	W	\$34.70	70.3%	20,146	W	48.9%
Powder River Basin	Iowa	\$8.87	\$10.19	14.9%	\$19.34	52.7%	25,428	45.0%	90.9%
Powder River Basin	Kansas	\$13.95	\$13.60	-2.4%	\$23.80	57.2%	21,317	24.7%	91.6%
Powder River Basin	Kentucky	W	\$23.17	W	\$32.48	71.4%	1,927	W	100.0%
Powder River Basin	Louisiana	W	\$33.67	W	\$45.07	74.7%	11,517	W	36.1%
Powder River Basin	Maryland	W	\$62.74	W	\$73.07	85.9%	306	W	51.3%
Powder River Basin	Michigan	\$20.88	\$17.82	-14.7%	\$29.35	60.7%	28,541	15.5%	91.4%
Powder River Basin	Minnesota	\$16.81	\$15.30	-9.0%	\$26.04	58.8%	17,668	49.3%	47.3%
Powder River Basin	Mississippi	W	W	W	W	W	W	W	W
Powder River Basin	Missouri	\$13.70	\$14.89	8.7%	\$25.37	58.7%	42,595	49.4%	100.0%
Powder River Basin	Montana	W	W	W	W	W	W	W	W

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
Powder River Basin	Nebraska	\$7.37	\$8.15	10.6%	\$16.90	48.2%	14,118	37.1%	35.3%
Powder River Basin	Nevada	-	W	-	W	W	W	-	W
Powder River Basin	New Jersey	W	-	-	-	-	-	-	-
Powder River Basin	New York	W	\$39.36	W	\$55.87	70.5%	3,867	W	6.7%
Powder River Basin	North Carolina	W	-	-	-	-	-	-	-
Powder River Basin	North Dakota	W	\$15.39	W	\$23.69	65.0%	240	W	100.0%
Powder River Basin	Ohio	\$33.47	\$27.49	-17.9%	\$39.63	69.4%	11,931	31.9%	79.0%
Powder River Basin	Oklahoma	\$13.52	\$13.51	-0.1%	\$23.25	58.1%	21,828	35.3%	71.2%
Powder River Basin	Oregon	-	W	-	W	W	W	-	W
Powder River Basin	Pennsylvania	-	\$39.17	-	\$52.35	74.8%	1,234	-	13.1%
Powder River Basin	South Dakota	W	\$20.88	W	\$30.07	69.4%	2,467	W	87.1%
Powder River Basin	Tennessee	-	\$23.54	-	\$35.09	67.1%	9,775	-	98.6%
Powder River Basin	Texas	\$15.74	\$13.89	-11.7%	\$27.12	51.2%	63,609	49.4%	62.9%
Powder River Basin	Utah	W	-	-	-	-	-	-	-
Powder River Basin	Washington	W	\$25.73	W	\$35.85	71.8%	5,653	W	100.0%
Powder River Basin	Wisconsin	\$18.40	\$18.87	2.6%	\$30.21	62.5%	23,870	36.9%	83.4%
Powder River Basin	Wyoming	W	\$7.52	W	\$16.48	45.6%	16,977	W	70.2%
Uinta (Colorado-Utah) Basin	Alabama	W	\$32.36	W	\$61.76	52.4%	4,660	W	95.2%
Uinta (Colorado-Utah) Basin	Arizona	W	\$28.20	W	\$48.65	58.0%	1,389	W	99.1%
Uinta (Colorado-Utah) Basin	Arkansas	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	California	W	\$29.36	W	\$69.78	42.1%	1,032	W	90.0%
Uinta (Colorado-Utah) Basin	Colorado	\$10.72	\$14.16	32.2%	\$39.03	36.3%	7,105	39.4%	52.7%
Uinta (Colorado-Utah) Basin	Delaware	W	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Georgia	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	Iowa	-	\$45.74	-	\$65.42	69.9%	3	-	100.0%
Uinta (Colorado-Utah) Basin	Kentucky	W	\$24.72	W	\$55.60	44.5%	3,405	W	99.4%

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
Uinta (Colorado-Utah) Basin	Michigan	-	\$39.36	-	\$75.06	52.4%	975	-	99.1%
Uinta (Colorado-Utah) Basin	Mississippi	W	\$49.97	W	\$81.80	61.1%	1,624	W	60.2%
Uinta (Colorado-Utah) Basin	Missouri	W	\$32.55	W	\$68.78	47.3%	470	W	83.8%
Uinta (Colorado-Utah) Basin	Nebraska	-	W	-	W	W	W	-	W
Uinta (Colorado-Utah) Basin	Nevada	W	\$15.34	W	\$51.57	29.8%	2,525	W	92.0%
Uinta (Colorado-Utah) Basin	Oklahoma	W	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Tennessee	-	\$24.74	-	\$52.27	47.3%	2,914	-	83.3%
Uinta (Colorado-Utah) Basin	Texas	W	-	-	-	-	-	-	-
Uinta (Colorado-Utah) Basin	Utah	W	W	W	W	W	W	W	W
Uinta (Colorado-Utah) Basin	Wisconsin	-	\$46.78	-	\$78.72	59.4%	1,342	-	66.9%

- = 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

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%

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
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

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
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

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

Table 24. Estimated rail transportation rates for coal, state to state, STB data

Origin State	Destination State	Real 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	\$8.65	\$7.41	\$7.00	\$7.71	\$8.40	\$11.19	\$11.51	\$9.82	\$9.99	1.8	1.7
Colorado	Delaware	-	-	-	-	W	W	W	W	-	-	-
Colorado	Georgia	-	-	W	W	W	W	W	W	-	-	-
Colorado	Illinois	W	W	W	W	-	-	-	-	-	-	-
Colorado	Iowa	\$16.07	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	Real 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	\$4.77	\$4.98	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	\$3.23	\$3.20	\$3.22	\$2.81	W	-12.6
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	\$22.04	W	W	W	W	\$19.24	W	W	W
Kentucky	Florida	\$23.03	\$21.74	\$21.92	\$20.41	\$22.24	\$22.38	\$20.55	\$31.19	\$30.51	3.6	-2.2
Kentucky	Georgia	\$14.48	\$16.25	\$20.37	\$18.56	\$15.18	\$15.62	\$23.16	\$21.28	\$22.23	5.5	4.5
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	\$7.60	\$8.55	\$6.33	\$5.66	W	-10.5
Kentucky	Maryland	W	W	-	W	W	-	W	W	W	W	W
Kentucky	Massachusetts	W	W	W	W	-	-	-	-	-	-	-
Kentucky	Michigan	\$11.14	\$11.54	\$11.13	\$15.58	\$14.52	\$16.14	\$14.73	\$13.54	\$13.59	2.5	0.4
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	\$16.76	W	W	W	W	W	W	W	W	W	W
Kentucky	North Carolina	\$15.08	\$18.25	\$18.52	\$16.51	\$19.59	\$20.11	\$19.80	\$21.56	\$20.95	4.2	-2.8
Kentucky	Ohio	\$13.56	\$13.36	W	\$14.92	\$15.39	W	\$21.79	\$17.68	\$15.03	1.3	-15.0
Kentucky	Pennsylvania	W	W	W	\$21.58	W	-	W	W	-	-	-

Origin State	Destination State	Real dollars per ton									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Kentucky	South Carolina	\$14.02	\$12.83	\$13.55	\$14.03	\$16.07	\$14.60	\$15.56	\$13.94	\$17.76	3.0	27.4
Kentucky	Tennessee	\$8.24	\$9.35	\$9.41	\$10.98	\$10.45	\$11.20	\$12.83	\$14.18	\$13.94	6.8	-1.7
Kentucky	Virginia	\$15.40	\$14.87	\$15.61	\$17.07	\$18.58	\$19.72	\$18.45	\$19.47	\$18.64	2.4	-4.2
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	\$12.27	\$11.97	\$12.12	\$11.16	\$11.47	\$11.28	\$13.00	\$13.76	\$14.23	1.9	3.4
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	\$7.06	W	\$7.86	W	W	W	\$7.16	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	Real dollars per ton									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Pennsylvania	Delaware	W	W	\$16.46	\$13.97	-	-	-	-	-	-	-
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	\$12.64	\$11.57	W	W	\$15.15	\$14.90	W	\$20.01	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	\$14.45	\$12.95	\$14.06	\$13.74	\$19.60	\$19.23	\$22.78	W	\$21.40	5.0	W
Pennsylvania	North Carolina	-	-	-	-	-	-	-	-	W	-	-
Pennsylvania	Ohio	W	\$8.30	\$6.76	\$10.99	W	\$12.92	\$13.75	\$12.02	\$10.24	W	-14.8
Pennsylvania	Pennsylvania	\$10.27	\$14.95	\$13.16	\$12.42	\$11.20	\$13.23	\$12.60	\$13.19	\$12.57	2.6	-4.6
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	Real 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	\$13.54	\$14.51	\$18.04	\$27.54	\$27.78	\$29.86	\$29.00	\$22.73	\$23.61	7.2	3.9
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	\$13.48	\$15.75	\$15.52	\$17.86	\$21.59	\$25.42	\$26.77	\$24.32	\$21.35	5.9	-12.2
Virginia	Ohio	W	W	\$9.75	-	W	-	-	W	-	-	-
Virginia	Oklahoma	-	-	-	-	-	-	-	W	-	-	-
Virginia	Pennsylvania	W	W	W	W	-	-	-	W	-	-	-
Virginia	South Carolina	\$11.52	\$16.99	W	W	W	\$25.00	W	W	W	W	W
Virginia	Tennessee	\$6.95	\$6.26	\$6.65	\$9.61	\$10.28	\$9.32	\$12.86	\$10.57	\$10.28	5.0	-2.8
Virginia	Virginia	\$11.24	\$10.97	\$14.43	\$22.43	\$26.86	\$31.42	\$29.79	\$21.69	\$17.14	5.4	-21.0
Virginia	West Virginia	-	-	-	W	W	-	-	-	-	-	-

Origin State	Destination State	Real 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	\$20.07	W	W	\$20.99	\$22.62	\$23.86	\$26.44	\$21.96	\$21.39	0.8	-2.6
West Virginia	Florida	\$22.35	\$21.16	\$21.69	\$22.42	\$23.56	\$27.50	\$24.65	\$28.23	\$28.02	2.9	-0.7
West Virginia	Georgia	\$17.93	\$17.57	\$20.52	\$20.21	W	W	W	\$25.92	\$25.02	4.3	-3.5
West Virginia	Illinois	-	W	-	-	W	-	-	-	-	-	-
West Virginia	Indiana	W	W	W	W	\$18.33	\$14.06	W	W	W	W	W
West Virginia	Kentucky	W	W	W	W	W	W	W	W	W	W	W
West Virginia	Maryland	\$10.46	\$10.68	\$11.37	\$12.08	\$10.37	\$12.68	\$13.98	\$17.64	\$17.89	6.9	1.4
West Virginia	Massachusetts	W	-	-	-	-	-	-	-	-	-	-
West Virginia	Michigan	\$13.36	\$13.23	\$12.82	\$12.24	\$11.37	\$11.96	\$11.20	\$13.47	\$12.67	-0.7	-5.9
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	\$19.72	\$20.43	\$23.30	W	W	W	W	W	W	W
West Virginia	New York	\$17.83	\$17.44	\$14.70	\$16.19	\$17.04	\$19.58	\$19.25	\$18.07	\$19.84	1.3	9.8
West Virginia	North Carolina	\$13.94	\$18.75	\$20.17	\$20.06	\$22.22	\$25.71	\$26.36	\$23.10	\$20.24	4.8	-12.4
West Virginia	Ohio	\$11.24	\$11.19	\$11.62	\$11.57	\$11.89	\$11.00	\$11.34	W	W	W	W
West Virginia	Pennsylvania	\$13.80	\$13.79	\$15.01	\$15.84	\$17.72	\$18.51	\$21.57	\$15.16	\$14.16	0.3	-6.6
West Virginia	South Carolina	\$17.33	\$18.29	\$16.54	\$18.57	\$22.28	\$19.18	\$16.32	\$14.45	\$17.96	0.4	24.3
West Virginia	Tennessee	W	W	W	W	\$11.11	W	W	W	W	W	W
West Virginia	Virginia	\$15.92	\$14.36	\$15.47	\$17.35	\$19.33	\$18.61	\$16.97	\$16.70	\$16.59	0.5	-0.6
West Virginia	West Virginia	\$5.27	\$4.58	\$4.83	\$4.99	\$5.16	\$5.77	\$4.80	\$6.92	\$7.52	4.5	8.5
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	\$15.69	W	W	W	W	W	W	W
Wyoming	Colorado	\$8.42	\$8.35	\$8.69	\$8.13	\$8.13	\$9.26	\$9.58	\$9.11	\$9.98	2.1	9.6
Wyoming	Delaware	-	-	-	W	W	W	-	-	-	-	-
Wyoming	Georgia	-	-	-	W	W	-	-	-	-	-	-
Wyoming	Idaho	W	W	W	W	W	W	W	W	W	W	W
Wyoming	Illinois	\$13.06	\$13.43	\$24.89	\$9.94	\$11.21	\$11.81	\$11.72	\$12.75	\$13.52	0.4	6.1

Origin State	Destination State	Real 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	\$9.44	\$9.37	\$8.60	\$9.62	\$8.52	\$7.99	\$7.81	\$8.17	\$8.09	-1.9	-0.9
Wyoming	Kansas	\$16.70	\$15.59	\$14.77	\$15.25	\$14.97	\$14.96	\$14.60	\$12.84	\$12.39	-3.7	-3.5
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	\$5.57	\$6.26	\$6.90	\$6.65	\$19.22	\$18.41	-	-4.2
Wyoming	Minnesota	\$11.30	\$11.65	\$12.11	\$12.92	\$12.78	\$12.83	\$19.13	\$17.78	\$16.26	4.7	-8.5
Wyoming	Mississippi	-	-	-	W	W	W	W	W	W	-	W
Wyoming	Missouri	\$12.36	\$10.80	\$10.30	\$10.32	\$10.97	\$10.55	\$12.59	\$12.61	\$11.56	-0.8	-8.3
Wyoming	Montana	W	W	W	W	W	W	W	W	W	W	W
Wyoming	Nebraska	\$6.67	\$6.23	\$6.25	\$7.19	\$7.20	\$7.40	\$7.41	\$6.78	\$7.26	1.1	7.0
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	\$35.28	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	\$30.66	\$30.81	-	0.5
Wyoming	Oklahoma	\$13.67	\$11.56	\$10.23	\$12.33	\$12.03	\$12.33	\$12.77	\$12.45	\$15.86	1.9	27.4
Wyoming	Oregon	W	-	-	W	-	-	-	-	-	-	-
Wyoming	South Dakota	W	W	W	W	W	W	W	W	W	W	W
Wyoming	Texas	\$17.04	\$16.74	\$15.30	\$14.97	\$14.88	\$14.53	\$14.63	\$14.49	\$14.43	-2.1	-0.5
Wyoming	Utah	-	-	-	W	W	W	-	W	W	-	W
Wyoming	Washington	-	-	-	-	-	W	W	W	W	-	W
Wyoming	Wisconsin	\$14.20	\$13.89	\$12.82	\$13.31	\$14.25	\$15.49	\$16.99	\$16.97	\$16.94	2.2	-0.2
Wyoming	Wyoming	\$3.52	\$3.44	\$3.63	\$4.31	\$5.91	\$6.54	\$6.99	\$6.40	\$4.75	3.8	-25.8

- = No waybills sampled

W = Data Withheld

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

Real values derived using the GDP Chain-type Price Index, 2005=100.

Table 25. Estimated rail transportation rates for coal, state to state, STB data

Origin State	Destination State	Nominal dollars per ton-mile									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	\$0.0431	\$0.0403	\$0.0385	\$0.0463	\$0.0478	\$0.0623	\$0.0646	\$0.0655	\$0.0655	5.4	0.0
Colorado	Delaware	-	-	-	-	W	W	W	W	-	-	-
Colorado	Georgia	-	-	W	W	W	W	W	W	-	-	-
Colorado	Illinois	W	W	W	W	-	-	-	-	-	-	-
Colorado	Iowa	\$0.0124	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-mile									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Illinois	Georgia	-	-	W	W	W	W	-	-	-	-	-
Illinois	Illinois	\$0.0350	\$0.0366	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	\$0.1272	\$0.0761	\$0.0780	\$0.0864	\$0.0954	W	10.5
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	\$0.0323	W	W	W	W	\$0.0325	W	W	W
Kentucky	Florida	\$0.0231	\$0.0224	\$0.0228	\$0.0212	\$0.0243	\$0.0259	\$0.0245	\$0.0393	\$0.0381	6.5	-3.1
Kentucky	Georgia	\$0.0263	\$0.0308	\$0.0390	\$0.0384	\$0.0300	\$0.0328	\$0.0504	\$0.0484	\$0.0509	8.6	5.2
Kentucky	Illinois	W	W	W	W	W	W	W	W	-	-	-
Kentucky	Indiana	W	W	W	-	-	W	W	W	-	-	-
Kentucky	Kentucky	W	W	W	W	\$0.0448	\$0.0617	\$0.0664	\$0.0548	\$0.0527	W	-3.9
Kentucky	Maryland	W	W	-	W	W	-	W	W	W	W	W
Kentucky	Massachusetts	W	W	W	W	-	-	-	-	-	-	-
Kentucky	Michigan	\$0.0211	\$0.0241	\$0.0228	\$0.0351	\$0.0349	\$0.0398	\$0.0394	\$0.0354	\$0.0379	7.6	6.9
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	\$0.0192	W	W	W	W	W	W	W	W	W	W
Kentucky	North Carolina	\$0.0293	\$0.0384	\$0.0365	\$0.0329	\$0.0406	\$0.0410	\$0.0406	\$0.0478	\$0.0488	6.6	2.3
Kentucky	Ohio	\$0.0300	\$0.0288	W	\$0.0395	\$0.0347	W	\$0.0610	\$0.0479	\$0.0471	5.8	-1.6
Kentucky	Pennsylvania	W	W	W	\$0.0382	W	-	W	W	-	-	-

Origin State	Destination State	Nominal dollars per ton-mile									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Kentucky	South Carolina	\$0.0181	\$0.0163	\$0.0193	\$0.0198	\$0.0231	\$0.0216	\$0.0227	\$0.0201	\$0.0255	4.4	26.9
Kentucky	Tennessee	\$0.0304	\$0.0293	\$0.0302	\$0.0377	\$0.0401	\$0.0473	\$0.0507	\$0.0686	\$0.0707	11.1	3.1
Kentucky	Virginia	\$0.0235	\$0.0225	\$0.0237	\$0.0277	\$0.0322	\$0.0366	\$0.0310	\$0.0336	\$0.0323	4.0	-4.0
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	\$0.0134	\$0.0132	\$0.0137	\$0.0131	\$0.0134	\$0.0135	\$0.0163	\$0.0175	\$0.0183	3.9	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	\$0.0374	W	\$0.0362	W	W	W	\$0.0425	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-mile									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Pennsylvania	Delaware	W	W	\$0.0324	\$0.0279	-	-	-	-	-	-	-
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	\$0.0257	\$0.0242	W	W	\$0.0326	\$0.0329	W	\$0.0475	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	\$0.0339	\$0.0303	\$0.0307	\$0.0301	\$0.0412	\$0.0425	\$0.0505	W	\$0.0474	4.3	W
Pennsylvania	North Carolina	-	-	-	-	-	-	-	-	W	-	-
Pennsylvania	Ohio	W	\$0.0335	\$0.0319	\$0.0466	W	\$0.0529	\$0.0589	\$0.0518	\$0.0509	W	-1.7
Pennsylvania	Pennsylvania	\$0.0383	\$0.0540	\$0.0500	\$0.0441	\$0.0410	\$0.0507	\$0.0486	\$0.0502	\$0.0500	3.4	-0.4
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-mile									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	\$0.0318	\$0.0350	\$0.0457	\$0.0711	\$0.0746	\$0.0818	\$0.0813	\$0.0661	\$0.0675	9.9	2.2
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	\$0.0351	\$0.0366	\$0.0402	\$0.0474	\$0.0597	\$0.0758	\$0.0820	\$0.0772	\$0.0711	9.2	-7.9
Virginia	Ohio	W	W	\$0.0234	-	W	-	-	W	-	-	-
Virginia	Oklahoma	-	-	-	-	-	-	-	W	-	-	-
Virginia	Pennsylvania	W	W	W	W	-	-	-	W	-	-	-
Virginia	South Carolina	\$0.0191	\$0.0361	W	W	W	\$0.0563	W	W	W	W	W
Virginia	Tennessee	\$0.0551	\$0.0383	\$0.0556	\$0.0746	\$0.0755	\$0.0820	\$0.1201	\$0.1104	\$0.1146	9.6	3.8
Virginia	Virginia	\$0.0227	\$0.0265	\$0.0346	\$0.0563	\$0.0721	\$0.0880	\$0.0935	\$0.0778	\$0.0612	13.2	-21.3
Virginia	West Virginia	-	-	-	W	W	-	-	-	-	-	-

Origin State	Destination State	Nominal dollars per ton-mile									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	\$0.0298	W	W	\$0.0335	\$0.0367	\$0.0405	\$0.0473	\$0.0389	\$0.0390	3.4	0.4
West Virginia	Florida	\$0.0170	\$0.0167	\$0.0169	\$0.0185	\$0.0204	\$0.0227	\$0.0202	\$0.0238	\$0.0243	4.5	2.1
West Virginia	Georgia	\$0.0279	\$0.0285	\$0.0351	\$0.0314	W	W	W	\$0.0538	\$0.0447	6.1	-17.0
West Virginia	Illinois	-	W	-	-	W	-	-	-	-	-	-
West Virginia	Indiana	W	W	W	W	\$0.0313	\$0.0252	W	W	W	W	W
West Virginia	Kentucky	W	W	W	W	W	W	W	W	W	W	W
West Virginia	Maryland	\$0.0284	\$0.0275	\$0.0293	\$0.0334	\$0.0315	\$0.0373	\$0.0424	\$0.0482	\$0.0469	6.5	-2.8
West Virginia	Massachusetts	W	-	-	-	-	-	-	-	-	-	-
West Virginia	Michigan	\$0.0252	\$0.0248	\$0.0260	\$0.0246	\$0.0251	\$0.0269	\$0.0275	\$0.0328	\$0.0316	2.9	-3.6
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	\$0.0312	\$0.0344	\$0.0397	W	W	W	W	W	W	W
West Virginia	New York	\$0.0335	\$0.0293	\$0.0255	\$0.0280	\$0.0329	\$0.0374	\$0.0402	\$0.0383	\$0.0444	3.6	15.9
West Virginia	North Carolina	\$0.0315	\$0.0428	\$0.0429	\$0.0440	\$0.0498	\$0.0639	\$0.0626	\$0.0565	\$0.0458	4.8	-18.9
West Virginia	Ohio	\$0.0314	\$0.0324	\$0.0349	\$0.0375	\$0.0412	\$0.0392	\$0.0442	W	W	W	W
West Virginia	Pennsylvania	\$0.0301	\$0.0301	\$0.0340	\$0.0421	\$0.0509	\$0.0606	\$0.0655	\$0.0528	\$0.0468	5.7	-11.4
West Virginia	South Carolina	\$0.0184	\$0.0208	\$0.0190	\$0.0206	\$0.0263	\$0.0224	\$0.0206	\$0.0203	\$0.0230	2.9	13.3
West Virginia	Tennessee	W	W	W	W	\$0.0280	W	W	W	W	W	W
West Virginia	Virginia	\$0.0321	\$0.0325	\$0.0375	\$0.0413	\$0.0477	\$0.0475	\$0.0462	\$0.0516	\$0.0438	3.9	-15.2
West Virginia	West Virginia	\$0.0421	\$0.0417	\$0.0434	\$0.0433	\$0.0490	\$0.0551	\$0.0585	\$0.0721	\$0.0740	7.3	2.6
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	\$0.0119	W	W	W	W	W	W	W
Wyoming	Colorado	\$0.0168	\$0.0165	\$0.0175	\$0.0168	\$0.0172	\$0.0208	\$0.0221	\$0.0217	\$0.0231	4.0	6.4
Wyoming	Delaware	-	-	-	W	W	W	-	-	-	-	-
Wyoming	Georgia	-	-	-	W	W	-	-	-	-	-	-
Wyoming	Idaho	W	W	W	W	W	W	W	W	W	W	W
Wyoming	Illinois	\$0.0099	\$0.0104	\$0.0196	\$0.0080	\$0.0093	\$0.0103	\$0.0106	\$0.0118	\$0.0126	3.1	7.2

Origin State	Destination State	Nominal dollars per ton-mile									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	\$0.0109	\$0.0105	\$0.0100	\$0.0113	\$0.0102	\$0.0095	\$0.0099	\$0.0106	\$0.0107	-0.3	0.3
Wyoming	Kansas	\$0.0208	\$0.0195	\$0.0189	\$0.0205	\$0.0204	\$0.0210	\$0.0211	\$0.0187	\$0.0188	-1.3	0.8
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	\$0.0037	\$0.0043	\$0.0050	\$0.0050	\$0.0152	\$0.0147	-	-2.7
Wyoming	Minnesota	\$0.0095	\$0.0100	\$0.0106	\$0.0115	\$0.0119	\$0.0124	\$0.0188	\$0.0180	\$0.0165	7.2	-8.0
Wyoming	Mississippi	-	-	-	W	W	W	W	W	W	-	W
Wyoming	Missouri	\$0.0107	\$0.0096	\$0.0093	\$0.0098	\$0.0106	\$0.0108	\$0.0130	\$0.0134	\$0.0126	2.1	-5.8
Wyoming	Montana	W	W	W	W	W	W	W	W	W	W	W
Wyoming	Nebraska	\$0.0112	\$0.0107	\$0.0108	\$0.0127	\$0.0132	\$0.0140	\$0.0140	\$0.0132	\$0.0166	5.0	25.5
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	\$0.0224	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	\$0.0221	\$0.0225	-	1.6
Wyoming	Oklahoma	\$0.0119	\$0.0101	\$0.0092	\$0.0113	\$0.0114	\$0.0120	\$0.0128	\$0.0126	\$0.0166	4.2	31.6
Wyoming	Oregon	W	-	-	W	-	-	-	-	-	-	-
Wyoming	South Dakota	W	W	W	W	W	W	W	W	W	W	W
Wyoming	Texas	\$0.0109	\$0.0110	\$0.0102	\$0.0102	\$0.0109	\$0.0108	\$0.0111	\$0.0114	\$0.0112	0.3	-1.4
Wyoming	Utah	-	-	-	W	W	W	-	W	W	-	W
Wyoming	Washington	-	-	-	-	-	W	W	W	W	-	W
Wyoming	Wisconsin	\$0.0107	\$0.0106	\$0.0099	\$0.0106	\$0.0116	\$0.0130	\$0.0147	\$0.0149	\$0.0147	4.1	-1.2
Wyoming	Wyoming	\$0.0235	\$0.0229	\$0.0235	\$0.0285	\$0.0407	\$0.0423	\$0.0465	\$0.0460	\$0.0374	6.0	-18.7

- = No waybills sampled

W = Data Withheld

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

Table 26. Estimated rail transportation rates for coal, state to state, STB data

Origin State	Destination State	Real dollars per ton-mile									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	\$0.0475	\$0.0438	\$0.0409	\$0.0478	\$0.0478	\$0.0603	\$0.0608	\$0.0603	\$0.0597	2.9	-1.0
Colorado	Delaware	-	-	-	-	W	W	W	W	-	-	-
Colorado	Georgia	-	-	W	W	W	W	W	W	-	-	-
Colorado	Illinois	W	W	W	W	-	-	-	-	-	-	-
Colorado	Iowa	\$0.0137	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	Real dollars per ton-mile									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Illinois	Georgia	-	-	W	W	W	W	-	-	-	-	-
Illinois	Illinois	\$0.0385	\$0.0397	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	\$0.1272	\$0.0737	\$0.0734	\$0.0795	\$0.0870	W	9.3
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	\$0.0343	W	W	W	W	\$0.0299	W	W	W
Kentucky	Florida	\$0.0254	\$0.0243	\$0.0242	\$0.0219	\$0.0243	\$0.0251	\$0.0230	\$0.0362	\$0.0347	4.0	-4.1
Kentucky	Georgia	\$0.0290	\$0.0334	\$0.0414	\$0.0396	\$0.0300	\$0.0317	\$0.0474	\$0.0445	\$0.0464	6.0	4.1
Kentucky	Illinois	W	W	W	W	W	W	W	W	-	-	-
Kentucky	Indiana	W	W	W	-	-	W	W	W	-	-	-
Kentucky	Kentucky	W	W	W	W	\$0.0448	\$0.0598	\$0.0625	\$0.0505	\$0.0480	W	-4.9
Kentucky	Maryland	W	W	-	W	W	-	W	W	W	W	W
Kentucky	Massachusetts	W	W	W	W	-	-	-	-	-	-	-
Kentucky	Michigan	\$0.0232	\$0.0261	\$0.0242	\$0.0362	\$0.0349	\$0.0385	\$0.0371	\$0.0326	\$0.0345	5.1	5.7
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	\$0.0211	W	W	W	W	W	W	W	W	W	W
Kentucky	North Carolina	\$0.0323	\$0.0417	\$0.0388	\$0.0340	\$0.0406	\$0.0397	\$0.0382	\$0.0440	\$0.0445	4.1	1.2
Kentucky	Ohio	\$0.0331	\$0.0313	W	\$0.0409	\$0.0347	W	\$0.0574	\$0.0441	\$0.0430	3.3	-2.7
Kentucky	Pennsylvania	W	W	W	\$0.0395	W	-	W	W	-	-	-

Origin State	Destination State	Real dollars per ton-mile									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Kentucky	South Carolina	\$0.0200	\$0.0177	\$0.0205	\$0.0204	\$0.0231	\$0.0209	\$0.0213	\$0.0185	\$0.0233	1.9	25.5
Kentucky	Tennessee	\$0.0335	\$0.0318	\$0.0321	\$0.0390	\$0.0401	\$0.0458	\$0.0478	\$0.0632	\$0.0645	8.5	2.0
Kentucky	Virginia	\$0.0259	\$0.0244	\$0.0252	\$0.0287	\$0.0322	\$0.0355	\$0.0292	\$0.0310	\$0.0294	1.6	-5.0
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	\$0.0148	\$0.0143	\$0.0145	\$0.0136	\$0.0134	\$0.0131	\$0.0154	\$0.0161	\$0.0167	1.5	3.4
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	\$0.0413	W	\$0.0385	W	W	W	\$0.0401	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	Real dollars per ton-mile									Annual percent change	
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2001-2009	2008-2009
Pennsylvania	Delaware	W	W	\$0.0344	\$0.0288	-	-	-	-	-	-	-
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	\$0.0283	\$0.0262	W	W	\$0.0326	\$0.0319	W	\$0.0438	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	\$0.0373	\$0.0329	\$0.0326	\$0.0311	\$0.0412	\$0.0412	\$0.0476	W	\$0.0432	1.8	W
Pennsylvania	North Carolina	-	-	-	-	-	-	-	-	W	-	-
Pennsylvania	Ohio	W	\$0.0363	\$0.0339	\$0.0482	W	\$0.0512	\$0.0555	\$0.0477	\$0.0464	W	-2.8
Pennsylvania	Pennsylvania	\$0.0422	\$0.0586	\$0.0531	\$0.0456	\$0.0410	\$0.0492	\$0.0457	\$0.0462	\$0.0455	0.9	-1.4
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	Real dollars per ton-mile									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	\$0.0350	\$0.0380	\$0.0486	\$0.0735	\$0.0746	\$0.0793	\$0.0765	\$0.0608	\$0.0615	7.3	1.1
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	\$0.0387	\$0.0397	\$0.0427	\$0.0490	\$0.0597	\$0.0734	\$0.0772	\$0.0711	\$0.0648	6.7	-8.9
Virginia	Ohio	W	W	\$0.0249	-	W	-	-	W	-	-	-
Virginia	Oklahoma	-	-	-	-	-	-	-	W	-	-	-
Virginia	Pennsylvania	W	W	W	W	-	-	-	W	-	-	-
Virginia	South Carolina	\$0.0211	\$0.0392	W	W	W	\$0.0545	W	W	W	W	W
Virginia	Tennessee	\$0.0607	\$0.0415	\$0.0591	\$0.0771	\$0.0755	\$0.0795	\$0.1130	\$0.1017	\$0.1045	7.0	2.8
Virginia	Virginia	\$0.0251	\$0.0287	\$0.0368	\$0.0582	\$0.0721	\$0.0852	\$0.0880	\$0.0717	\$0.0558	10.5	-22.1
Virginia	West Virginia	-	-	-	W	W	-	-	-	-	-	-

Origin State	Destination State	Real dollars per ton-mile									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	\$0.0329	W	W	\$0.0346	\$0.0367	\$0.0392	\$0.0445	\$0.0358	\$0.0356	1.0	-0.6
West Virginia	Florida	\$0.0188	\$0.0181	\$0.0180	\$0.0191	\$0.0204	\$0.0219	\$0.0190	\$0.0219	\$0.0221	2.1	1.0
West Virginia	Georgia	\$0.0307	\$0.0309	\$0.0373	\$0.0324	W	W	W	\$0.0496	\$0.0407	3.6	-17.9
West Virginia	Illinois	-	W	-	-	W	-	-	-	-	-	-
West Virginia	Indiana	W	W	W	W	\$0.0313	\$0.0244	W	W	W	W	W
West Virginia	Kentucky	W	W	W	W	W	W	W	W	W	W	W
West Virginia	Maryland	\$0.0313	\$0.0298	\$0.0311	\$0.0345	\$0.0315	\$0.0361	\$0.0400	\$0.0444	\$0.0427	4.0	-3.8
West Virginia	Massachusetts	W	-	-	-	-	-	-	-	-	-	-
West Virginia	Michigan	\$0.0277	\$0.0269	\$0.0276	\$0.0254	\$0.0251	\$0.0261	\$0.0259	\$0.0302	\$0.0288	0.5	-4.6
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	\$0.0339	\$0.0366	\$0.0410	W	W	W	W	W	W	W
West Virginia	New York	\$0.0369	\$0.0318	\$0.0271	\$0.0289	\$0.0329	\$0.0362	\$0.0379	\$0.0353	\$0.0405	1.2	14.7
West Virginia	North Carolina	\$0.0347	\$0.0465	\$0.0456	\$0.0454	\$0.0498	\$0.0619	\$0.0590	\$0.0520	\$0.0417	2.3	-19.7
West Virginia	Ohio	\$0.0346	\$0.0351	\$0.0370	\$0.0388	\$0.0412	\$0.0380	\$0.0416	W	W	W	W
West Virginia	Pennsylvania	\$0.0332	\$0.0327	\$0.0361	\$0.0435	\$0.0509	\$0.0587	\$0.0617	\$0.0486	\$0.0427	3.2	-12.3
West Virginia	South Carolina	\$0.0203	\$0.0225	\$0.0201	\$0.0212	\$0.0263	\$0.0217	\$0.0194	\$0.0187	\$0.0210	0.5	12.1
West Virginia	Tennessee	W	W	W	W	\$0.0280	W	W	W	W	W	W
West Virginia	Virginia	\$0.0354	\$0.0353	\$0.0398	\$0.0426	\$0.0477	\$0.0460	\$0.0435	\$0.0475	\$0.0399	1.5	-16.1
West Virginia	West Virginia	\$0.0464	\$0.0453	\$0.0461	\$0.0447	\$0.0490	\$0.0534	\$0.0551	\$0.0664	\$0.0674	4.8	1.5
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	\$0.0123	W	W	W	W	W	W	W
Wyoming	Colorado	\$0.0186	\$0.0179	\$0.0186	\$0.0173	\$0.0172	\$0.0202	\$0.0208	\$0.0200	\$0.0210	1.6	5.3
Wyoming	Delaware	-	-	-	W	W	W	-	-	-	-	-
Wyoming	Georgia	-	-	-	W	W	-	-	-	-	-	-
Wyoming	Idaho	W	W	W	W	W	W	W	W	W	W	W
Wyoming	Illinois	\$0.0109	\$0.0113	\$0.0208	\$0.0082	\$0.0093	\$0.0100	\$0.0099	\$0.0108	\$0.0115	0.7	6.1

Origin State	Destination State	Real dollars per ton-mile									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	\$0.0120	\$0.0114	\$0.0106	\$0.0117	\$0.0102	\$0.0092	\$0.0093	\$0.0098	\$0.0097	-2.6	-0.8
Wyoming	Kansas	\$0.0229	\$0.0211	\$0.0201	\$0.0211	\$0.0204	\$0.0204	\$0.0198	\$0.0172	\$0.0171	-3.6	-0.2
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	\$0.0038	\$0.0043	\$0.0048	\$0.0047	\$0.0140	\$0.0134	-	-3.7
Wyoming	Minnesota	\$0.0105	\$0.0108	\$0.0112	\$0.0119	\$0.0119	\$0.0120	\$0.0177	\$0.0165	\$0.0151	4.7	-9.0
Wyoming	Mississippi	-	-	-	W	W	W	W	W	W	-	W
Wyoming	Missouri	\$0.0118	\$0.0104	\$0.0099	\$0.0101	\$0.0106	\$0.0105	\$0.0122	\$0.0123	\$0.0115	-0.3	-6.8
Wyoming	Montana	W	W	W	W	W	W	W	W	W	W	W
Wyoming	Nebraska	\$0.0124	\$0.0116	\$0.0114	\$0.0132	\$0.0132	\$0.0136	\$0.0132	\$0.0122	\$0.0151	2.5	24.2
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	\$0.0217	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	\$0.0204	\$0.0205	-	0.6
Wyoming	Oklahoma	\$0.0131	\$0.0110	\$0.0098	\$0.0116	\$0.0114	\$0.0117	\$0.0120	\$0.0116	\$0.0151	1.8	30.2
Wyoming	Oregon	W	-	-	W	-	-	-	-	-	-	-
Wyoming	South Dakota	W	W	W	W	W	W	W	W	W	W	W
Wyoming	Texas	\$0.0120	\$0.0119	\$0.0108	\$0.0105	\$0.0109	\$0.0105	\$0.0105	\$0.0105	\$0.0102	-2.0	-2.5
Wyoming	Utah	-	-	-	W	W	W	-	W	W	-	W
Wyoming	Washington	-	-	-	-	-	W	W	W	W	-	W
Wyoming	Wisconsin	\$0.0118	\$0.0115	\$0.0105	\$0.0110	\$0.0116	\$0.0126	\$0.0138	\$0.0137	\$0.0134	1.6	-2.3
Wyoming	Wyoming	\$0.0259	\$0.0248	\$0.0250	\$0.0295	\$0.0407	\$0.0410	\$0.0438	\$0.0424	\$0.0341	3.5	-19.5

- = No waybills sampled

W = data withheld

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

Real values derived using the GDP Chain-type Price Index, 2005=100.

Table 27. Estimated rail transportation rates for coal, state to state, EIA data

Origin State	Destination State	Nominal Dollars per Ton			Annual Percent Change	
		2008	2009	2010	2008-2010	2009-2010
Alabama	Alabama	\$14.43	\$13.59	\$15.46	3.5	13.8
Alabama	Georgia	\$19.13	\$19.58	\$22.30	8.0	13.9
Alabama	Kentucky	-	W	-	-	-
Alabama	New Jersey	W	-	-	-	-
Alabama	Pennsylvania	-	W	-	-	-
Arizona	Arizona	W	W	W	W	W
Colorado	Alabama	\$34.52	\$30.35	\$27.67	-10.5	-8.8
Colorado	Arizona	\$28.20	W	-	-	-
Colorado	Arkansas	W	-	-	-	-
Colorado	California	-	\$37.53	\$51.30	-	36.7
Colorado	Colorado	\$14.16	\$8.47	\$9.02	-20.2	6.6
Colorado	Georgia	W	-	-	-	-
Colorado	Illinois	-	-	W	-	-
Colorado	Indiana	-	W	\$20.68	-	W
Colorado	Iowa	\$45.74	-	-	-	-
Colorado	Kentucky	\$24.47	\$21.37	\$23.83	-1.3	11.5
Colorado	Michigan	\$38.75	\$46.69	\$43.49	5.9	-6.9
Colorado	Mississippi	\$49.97	\$42.82	\$46.57	-3.5	8.8
Colorado	Nevada	W	\$23.80	\$24.06	W	1.1
Colorado	Oklahoma	-	W	-	-	-
Colorado	Tennessee	\$24.46	\$23.13	\$25.23	1.5	9.1
Colorado	Utah	W	W	W	W	W
Colorado	Virginia	-	W	W	-	W
Colorado	Wisconsin	\$48.05	\$53.51	\$60.02	11.8	12.2
Illinois	Alabama	W	W	-	-	-
Illinois	Florida	\$22.90	W	-	-	-
Illinois	Georgia	W	-	\$34.77	W	-
Illinois	Illinois	W	W	\$8.35	W	W
Illinois	Indiana	\$11.18	\$12.60	\$13.12	8.3	4.1
Illinois	Iowa	W	-	-	-	-
Illinois	Michigan	W	\$4.79	\$5.73	W	19.6
Illinois	Minnesota	W	-	-	-	-
Illinois	Mississippi	-	-	W	-	-
Illinois	Missouri	W	-	W	W	-
Illinois	Ohio	W	-	-	-	-
Illinois	South Carolina	-	-	\$24.46	-	-
Illinois	Tennessee	W	-	-	-	-
Illinois	Wisconsin	-	W	\$11.29	-	W
Indiana	Alabama	-	W	W	-	W
Indiana	Florida	-	-	W	-	-
Indiana	Georgia	\$31.28	\$32.16	W	W	W
Indiana	Indiana	\$3.81	\$3.54	\$4.69	11.0	32.4
Indiana	Iowa	W	-	-	-	-
Indiana	Kentucky	W	W	W	W	W

Origin State	Destination State	Nominal Dollars per Ton			Annual Percent Change	
		2008	2009	2010	2008-2010	2009-2010
Indiana	Michigan	W	-	-	-	-
Indiana	Minnesota	-	W	W	-	W
Indiana	New York	-	-	W	-	-
Indiana	South Carolina	W	-	-	-	-
Indiana	Tennessee	-	W	W	-	W
Indiana	Wisconsin	W	\$28.30	-	-	-
Kentucky	Alabama	\$15.61	\$13.94	\$12.60	-10.1	-9.6
Kentucky	Delaware	\$16.20	W	-	-	-
Kentucky	Florida	\$24.86	\$32.06	\$31.49	12.6	-1.8
Kentucky	Georgia	\$24.47	\$22.80	\$27.22	5.5	19.4
Kentucky	Indiana	\$13.21	W	-	-	-
Kentucky	Kentucky	\$7.62	\$7.79	\$10.66	18.3	36.8
Kentucky	Maryland	\$24.43	\$23.69	\$25.15	1.4	6.1
Kentucky	Massachusetts	W	-	-	-	-
Kentucky	Michigan	\$14.51	\$16.31	\$15.17	2.3	-7.0
Kentucky	Mississippi	W	W	\$29.37	W	W
Kentucky	Missouri	\$9.35	\$24.82	W	W	W
Kentucky	New Jersey	W	-	-	-	-
Kentucky	New York	W	W	-	-	-
Kentucky	North Carolina	\$22.22	\$21.61	\$23.14	2.0	7.1
Kentucky	Ohio	\$14.41	W	-	-	-
Kentucky	Pennsylvania	\$26.06	W	-	-	-
Kentucky	South Carolina	\$13.08	\$18.35	\$19.19	21.1	4.6
Kentucky	Tennessee	\$13.82	\$13.18	\$14.32	1.8	8.7
Kentucky	Virginia	\$18.89	\$17.91	\$19.67	2.0	9.8
Kentucky	West Virginia	-	-	\$14.71	-	-
Maryland	Maryland	-	W	-	-	-
Missouri	Missouri	-	-	W	-	-
Montana	Arizona	\$24.65	\$21.49	W	W	W
Montana	Colorado	-	W	-	-	-
Montana	Indiana	\$34.46	\$30.79	\$7.76	-52.5	-74.8
Montana	Michigan	\$15.34	\$12.08	\$13.22	-7.2	9.5
Montana	Minnesota	\$13.77	\$15.73	\$16.01	7.8	1.8
Montana	New York	\$39.36	\$35.89	-	-	-
Montana	North Dakota	\$15.00	W	W	W	W
Montana	Ohio	\$46.27	\$39.98	\$33.48	-14.9	-16.3
Montana	Oregon	-	W	W	-	W
Montana	Pennsylvania	\$39.17	\$39.71	W	W	W
Montana	Texas	-	-	W	-	-
Montana	Washington	W	W	W	W	W
Montana	Wisconsin	-	W	W	-	W
New Mexico	Arizona	\$7.45	\$9.83	\$9.45	12.6	-3.8
North Dakota	North Dakota	\$3.77	\$4.09	\$4.29	6.7	5.0
Ohio	Maryland	-	-	W	-	-
Ohio	Michigan	\$20.31	\$14.16	\$5.23	-49.3	-63.1

Origin State	Destination State	Nominal Dollars per Ton			Annual Percent Change	
		2008	2009	2010	2008-2010	2009-2010
Ohio	New York	W	-	\$27.93	W	-
Ohio	North Carolina	-	W	-	-	-
Ohio	Ohio	-	W	\$7.79	-	W
Ohio	Pennsylvania	\$18.52	\$21.65	\$23.38	12.3	8.0
Pennsylvania	Delaware	W	-	W	W	-
Pennsylvania	Florida	-	\$38.51	\$40.19	-	4.4
Pennsylvania	Georgia	-	W	-	-	-
Pennsylvania	Indiana	\$19.61	\$15.46	\$16.99	-6.9	9.9
Pennsylvania	Maryland	\$20.89	\$20.35	\$20.98	0.2	3.1
Pennsylvania	Michigan	\$12.19	\$12.79	\$12.84	2.7	0.4
Pennsylvania	New Hampshire	\$43.41	\$39.83	W	W	W
Pennsylvania	New Jersey	\$27.14	\$32.44	W	W	W
Pennsylvania	New York	\$21.62	\$24.01	\$25.27	8.1	5.3
Pennsylvania	North Carolina	-	W	-	-	-
Pennsylvania	Ohio	\$13.58	\$11.14	\$10.73	-11.1	-3.7
Pennsylvania	Pennsylvania	\$11.83	\$12.75	\$14.91	12.3	16.9
Pennsylvania	South Carolina	\$13.23	\$13.97	\$14.59	5.0	4.5
Pennsylvania	Virginia	-	\$22.27	W	-	W
Pennsylvania	West Virginia	\$11.18	\$9.47	\$9.87	-6.1	4.2
Pennsylvania	Wisconsin	-	W	\$19.19	-	W
Tennessee	Alabama	-	W	-	-	-
Tennessee	Georgia	\$24.30	\$24.23	\$25.41	2.3	4.9
Tennessee	North Carolina	W	-	-	-	-
Tennessee	South Carolina	\$14.15	-	-	-	-
Tennessee	Tennessee	-	W	\$12.42	-	W
Tennessee	Virginia	-	-	W	-	-
Utah	Alabama	\$28.66	\$27.46	\$26.21	-4.4	-4.5
Utah	California	\$29.36	\$32.51	\$37.04	12.3	13.9
Utah	Kentucky	W	W	W	W	W
Utah	Michigan	W	-	-	-	-
Utah	Missouri	\$32.55	\$29.15	\$30.42	-3.3	4.4
Utah	Nebraska	W	W	-	-	-
Utah	Nevada	\$14.24	\$14.24	\$15.89	5.6	11.6
Utah	Tennessee	\$25.47	\$24.95	\$25.24	-0.5	1.1
Utah	Wisconsin	W	W	-	-	-
Virginia	Alabama	\$24.35	W	W	W	W
Virginia	Florida	W	\$24.34	\$27.65	W	13.6
Virginia	Georgia	\$25.58	\$24.61	\$26.98	2.7	9.6
Virginia	Maryland	-	W	-	-	-
Virginia	Mississippi	\$29.13	\$23.71	\$26.98	-3.8	13.8
Virginia	New Hampshire	W	W	W	W	W
Virginia	New Jersey	\$29.43	\$28.14	\$30.64	2.0	8.9
Virginia	North Carolina	\$21.63	\$19.39	\$19.85	-4.2	2.4
Virginia	Ohio	W	\$11.82	\$10.70	W	-9.5
Virginia	Pennsylvania	W	-	-	-	-

Origin State	Destination State	Nominal Dollars per Ton			Annual Percent Change	
		2008	2009	2010	2008-2010	2009-2010
Virginia	South Carolina	\$12.35	\$11.66	W	W	W
Virginia	Tennessee	\$8.24	\$9.66	\$14.13	31.0	46.3
Virginia	Virginia	\$13.11	\$10.15	\$10.44	-10.7	2.9
West Virginia	Alabama	\$22.21	W	-	-	-
West Virginia	Delaware	\$15.09	W	W	W	W
West Virginia	Florida	\$30.78	\$28.14	\$32.02	2.0	13.8
West Virginia	Georgia	\$27.78	\$25.41	\$30.09	4.1	18.4
West Virginia	Indiana	\$20.94	\$16.83	W	W	W
West Virginia	Kentucky	\$14.55	\$8.74	\$6.85	-31.4	-21.6
West Virginia	Maryland	\$20.89	\$21.76	\$20.52	-0.9	-5.7
West Virginia	Massachusetts	-	\$11.34	W	-	W
West Virginia	Michigan	\$17.72	\$17.20	\$19.27	4.3	12.0
West Virginia	Mississippi	W	W	W	W	W
West Virginia	New Hampshire	\$43.48	\$41.45	\$43.09	-0.5	4.0
West Virginia	New Jersey	W	W	-	-	-
West Virginia	New York	\$14.44	\$17.03	\$22.43	24.7	31.8
West Virginia	North Carolina	\$23.01	\$19.63	\$21.65	-3.0	10.3
West Virginia	Ohio	\$19.78	\$11.59	\$10.51	-27.1	-9.4
West Virginia	Pennsylvania	\$18.72	\$16.49	\$15.99	-7.6	-3.0
West Virginia	South Carolina	\$15.37	\$23.35	\$24.59	26.5	5.3
West Virginia	Tennessee	\$11.00	\$10.14	\$19.21	32.2	89.5
West Virginia	Virginia	\$20.56	\$18.53	\$19.14	-3.5	3.3
West Virginia	West Virginia	\$10.74	\$8.87	\$8.51	-11.0	-4.0
West Virginia	Wisconsin	W	-	W	W	-
Wyoming	Alabama	\$21.13	\$18.81	\$20.40	-1.7	8.4
Wyoming	Arizona	\$21.81	\$19.35	\$21.69	-0.3	12.1
Wyoming	Arkansas	\$19.75	\$17.91	\$18.27	-3.8	2.0
Wyoming	Colorado	\$11.35	\$11.38	\$11.49	0.6	1.0
Wyoming	Florida	W	-	-	-	-
Wyoming	Georgia	\$26.08	\$24.16	\$25.18	-1.7	4.2
Wyoming	Illinois	\$14.94	\$14.71	\$15.76	2.7	7.2
Wyoming	Indiana	\$22.46	\$19.99	\$20.29	-5.0	1.5
Wyoming	Iowa	\$10.19	\$9.72	\$10.12	-0.4	4.1
Wyoming	Kansas	\$13.60	\$13.15	\$14.22	2.2	8.1
Wyoming	Kentucky	\$23.17	\$18.74	\$17.91	-12.1	-4.5
Wyoming	Louisiana	\$33.67	\$30.66	\$32.36	-2.0	5.6
Wyoming	Maryland	\$62.74	W	W	W	W
Wyoming	Michigan	\$18.45	\$18.57	\$18.99	1.4	2.2
Wyoming	Minnesota	\$17.55	\$18.11	\$20.55	8.2	13.5
Wyoming	Mississippi	W	\$30.07	\$38.80	W	29.0
Wyoming	Missouri	\$14.89	\$12.79	\$13.99	-3.1	9.4
Wyoming	Montana	W	\$10.54	\$10.61	W	0.7
Wyoming	Nebraska	\$8.15	\$9.92	\$10.87	15.5	9.6
Wyoming	Nevada	\$24.45	\$24.19	\$28.91	8.7	19.5
Wyoming	North Dakota	W	W	W	W	W

Origin State	Destination State	Nominal Dollars per Ton			Annual Percent Change	
		2008	2009	2010	2008-2010	2009-2010
Wyoming	Ohio	\$27.33	\$25.67	\$30.92	6.4	20.5
Wyoming	Oklahoma	\$13.51	\$18.22	\$17.83	14.9	-2.1
Wyoming	Oregon	W	W	W	W	W
Wyoming	South Dakota	\$20.88	\$20.23	\$21.42	1.3	5.9
Wyoming	Tennessee	\$23.54	\$21.39	\$22.52	-2.2	5.3
Wyoming	Texas	\$13.89	\$14.39	\$20.17	20.5	40.1
Wyoming	Washington	W	\$25.57	\$27.15	W	6.2
Wyoming	West Virginia	-	W	W	-	W
Wyoming	Wisconsin	\$18.87	\$19.39	\$19.99	2.9	3.1
Wyoming	Wyoming	\$6.74	\$5.61	\$5.29	-11.5	-5.7

- = No deliveries reported

W = Data Withheld

Source: Form EIA-923 Power Plant Operations Report

Table 28. Estimated rail transportation rates for coal, state to state, EIA data

Origin State	Destination State	Real dollars per ton			Annual percent change	
		2008	2009	2010	2008-2010	2009-2010
Alabama	Alabama	\$13.29	\$12.39	\$13.93	2.4	12.5
Alabama	Georgia	\$17.62	\$17.84	\$20.09	6.8	12.6
Alabama	Kentucky	-	W	-	-	-
Alabama	New Jersey	W	-	-	-	-
Alabama	Pennsylvania	-	W	-	-	-
Arizona	Arizona	W	W	W	W	W
Colorado	Alabama	\$31.79	\$27.66	\$24.93	-11.5	-9.9
Colorado	Arizona	\$25.97	W	-	-	-
Colorado	Arkansas	W	-	-	-	-
Colorado	California	-	\$34.20	\$46.22	-	35.1
Colorado	Colorado	\$13.04	\$7.72	\$8.13	-21.1	5.3
Colorado	Georgia	W	-	-	-	-
Colorado	Illinois	-	-	W	-	-
Colorado	Indiana	-	W	\$18.63	-	W
Colorado	Iowa	\$42.13	-	-	-	-
Colorado	Kentucky	\$22.53	\$19.48	\$21.47	-2.4	10.2
Colorado	Michigan	\$35.69	\$42.55	\$39.18	4.8	-7.9
Colorado	Mississippi	\$46.02	\$39.02	\$41.96	-4.5	7.5
Colorado	Nevada	W	\$21.69	\$21.67	W	-0.1
Colorado	Oklahoma	-	W	-	-	-
Colorado	Tennessee	\$22.53	\$21.08	\$22.73	0.4	7.8
Colorado	Utah	W	W	W	W	W
Colorado	Virginia	-	W	W	-	W
Colorado	Wisconsin	\$44.25	\$48.76	\$54.07	10.5	10.9
Illinois	Alabama	W	W	-	-	-
Illinois	Florida	\$21.09	W	-	-	-
Illinois	Georgia	W	-	\$31.33	W	-
Illinois	Illinois	W	W	\$7.53	W	W
Illinois	Indiana	\$10.30	\$11.49	\$11.82	7.1	2.9
Illinois	Iowa	W	-	-	-	-
Illinois	Michigan	W	\$4.36	\$5.16	W	18.2
Illinois	Minnesota	W	-	-	-	-
Illinois	Mississippi	-	-	W	-	-
Illinois	Missouri	W	-	W	W	-
Illinois	Ohio	W	-	-	-	-
Illinois	South Carolina	-	-	\$22.04	-	-
Illinois	Tennessee	W	-	-	-	-
Illinois	Wisconsin	-	W	\$10.17	-	W
Indiana	Alabama	-	W	W	-	W
Indiana	Florida	-	-	W	-	-
Indiana	Georgia	\$28.81	\$29.30	W	W	W
Indiana	Indiana	\$3.51	\$3.23	\$4.23	9.8	30.9

Origin State	Destination State	Real dollars per ton			Annual percent change	
		2008	2009	2010	2008-2010	2009-2010
Indiana	Iowa	W	-	-	-	-
Indiana	Kentucky	W	W	W	W	W
Indiana	Michigan	W	-	-	-	-
Indiana	Minnesota	-	W	W	-	W
Indiana	New York	-	-	W	-	-
Indiana	South Carolina	W	-	-	-	-
Indiana	Tennessee	-	W	W	-	W
Indiana	Wisconsin	W	\$25.79	-	-	-
Kentucky	Alabama	\$14.37	\$12.70	\$11.35	-11.1	-10.6
Kentucky	Delaware	\$14.92	W	-	-	-
Kentucky	Florida	\$22.89	\$29.22	\$28.37	11.3	-2.9
Kentucky	Georgia	\$22.54	\$20.78	\$24.52	4.3	18.0
Kentucky	Indiana	\$12.17	W	-	-	-
Kentucky	Kentucky	\$7.02	\$7.10	\$9.61	17.0	35.2
Kentucky	Maryland	\$22.50	\$21.59	\$22.66	0.3	4.9
Kentucky	Massachusetts	W	-	-	-	-
Kentucky	Michigan	\$13.36	\$14.87	\$13.67	1.1	-8.1
Kentucky	Mississippi	W	W	\$26.46	W	W
Kentucky	Missouri	\$8.61	\$22.62	W	W	W
Kentucky	New Jersey	W	-	-	-	-
Kentucky	New York	W	W	-	-	-
Kentucky	North Carolina	\$20.47	\$19.69	\$20.84	0.9	5.8
Kentucky	Ohio	\$13.27	W	-	-	-
Kentucky	Pennsylvania	\$24.00	W	-	-	-
Kentucky	South Carolina	\$12.05	\$16.72	\$17.29	19.8	3.4
Kentucky	Tennessee	\$12.73	\$12.01	\$12.90	0.7	7.4
Kentucky	Virginia	\$17.40	\$16.32	\$17.72	0.9	8.5
Kentucky	West Virginia	-	-	\$13.26	-	-
Maryland	Maryland	-	W	-	-	-
Missouri	Missouri	-	-	W	-	-
Montana	Arizona	\$22.70	\$19.58	W	W	W
Montana	Colorado	-	W	-	-	-
Montana	Indiana	\$31.74	\$28.06	\$6.99	-53.1	-75.1
Montana	Michigan	\$14.13	\$11.00	\$11.91	-8.2	8.2
Montana	Minnesota	\$12.68	\$14.34	\$14.42	6.7	0.6
Montana	New York	\$36.25	\$32.71	-	-	-
Montana	North Dakota	\$13.82	W	W	W	W
Montana	Ohio	\$42.61	\$36.44	\$30.16	-15.9	-17.2
Montana	Oregon	-	W	W	-	W
Montana	Pennsylvania	\$36.07	\$36.19	W	W	W
Montana	Texas	-	-	W	-	-
Montana	Washington	W	W	W	W	W
Montana	Wisconsin	-	W	W	-	W
New Mexico	Arizona	\$6.86	\$8.96	\$8.51	11.4	-4.9
North Dakota	North Dakota	\$3.47	\$3.73	\$3.87	5.6	3.8

Origin State	Destination State	Real dollars per ton			Annual percent change	
		2008	2009	2010	2008-2010	2009-2010
Ohio	Maryland	-	-	W	-	-
Ohio	Michigan	\$18.70	\$12.91	\$4.71	-49.8	-63.5
Ohio	New York	W	-	\$25.16	W	-
Ohio	North Carolina	-	W	-	-	-
Ohio	Ohio	-	W	\$7.02	-	W
Ohio	Pennsylvania	\$17.06	\$19.73	\$21.06	11.1	6.7
Pennsylvania	Delaware	W	-	W	W	-
Pennsylvania	Florida	-	\$35.10	\$36.21	-	3.2
Pennsylvania	Georgia	-	W	-	-	-
Pennsylvania	Indiana	\$18.06	\$14.09	\$15.31	-7.9	8.7
Pennsylvania	Maryland	\$19.23	\$18.55	\$18.90	-0.9	1.9
Pennsylvania	Michigan	\$11.22	\$11.66	\$11.57	1.5	-0.7
Pennsylvania	New Hampshire	\$39.98	\$36.30	W	W	W
Pennsylvania	New Jersey	\$25.00	\$29.57	W	W	W
Pennsylvania	New York	\$19.91	\$21.88	\$22.77	6.9	4.1
Pennsylvania	North Carolina	-	W	-	-	-
Pennsylvania	Ohio	\$12.51	\$10.15	\$9.66	-12.1	-4.8
Pennsylvania	Pennsylvania	\$10.89	\$11.62	\$13.43	11.0	15.5
Pennsylvania	South Carolina	\$12.19	\$12.73	\$13.14	3.9	3.3
Pennsylvania	Virginia	-	\$20.29	W	-	W
Pennsylvania	West Virginia	\$10.30	\$8.63	\$8.89	-7.1	3.0
Pennsylvania	Wisconsin	-	W	\$17.29	-	W
Tennessee	Alabama	-	W	-	-	-
Tennessee	Georgia	\$22.38	\$22.08	\$22.90	1.2	3.7
Tennessee	North Carolina	W	-	-	-	-
Tennessee	South Carolina	\$13.03	-	-	-	-
Tennessee	Tennessee	-	W	\$11.19	-	W
Tennessee	Virginia	-	-	W	-	-
Utah	Alabama	\$26.39	\$25.02	\$23.61	-5.4	-5.6
Utah	California	\$27.04	\$29.62	\$33.37	11.1	12.6
Utah	Kentucky	W	W	W	W	W
Utah	Michigan	W	-	-	-	-
Utah	Missouri	\$29.98	\$26.57	\$27.41	-4.4	3.2
Utah	Nebraska	W	W	-	-	-
Utah	Nevada	\$13.12	\$12.98	\$14.32	4.5	10.3
Utah	Tennessee	\$23.46	\$22.74	\$22.74	-1.5	-0.0
Utah	Wisconsin	W	W	-	-	-
Virginia	Alabama	\$22.42	W	W	W	W
Virginia	Florida	W	\$22.18	\$24.91	W	12.3
Virginia	Georgia	\$23.56	\$22.43	\$24.31	1.6	8.4
Virginia	Maryland	-	W	-	-	-
Virginia	Mississippi	\$26.83	\$21.61	\$24.31	-4.8	12.5
Virginia	New Hampshire	W	W	W	W	W
Virginia	New Jersey	\$27.10	\$25.65	\$27.60	0.9	7.6
Virginia	North Carolina	\$19.92	\$17.67	\$17.89	-5.2	1.2

Origin State	Destination State	Real dollars per ton			Annual percent change	
		2008	2009	2010	2008-2010	2009-2010
Virginia	Ohio	W	\$10.77	\$9.64	W	-10.5
Virginia	Pennsylvania	W	-	-	-	-
Virginia	South Carolina	\$11.38	\$10.63	W	W	W
Virginia	Tennessee	\$7.59	\$8.80	\$12.73	29.5	44.7
Virginia	Virginia	\$12.07	\$9.25	\$9.41	-11.7	1.7
West Virginia	Alabama	\$20.46	W	-	-	-
West Virginia	Delaware	\$13.90	W	W	W	W
West Virginia	Florida	\$28.35	\$25.65	\$28.84	0.9	12.5
West Virginia	Georgia	\$25.59	\$23.15	\$27.11	2.9	17.1
West Virginia	Indiana	\$19.28	\$15.34	W	W	W
West Virginia	Kentucky	\$13.40	\$7.97	\$6.17	-32.1	-22.5
West Virginia	Maryland	\$19.24	\$19.83	\$18.49	-2.0	-6.8
West Virginia	Massachusetts	-	\$10.34	W	-	W
West Virginia	Michigan	\$16.32	\$15.68	\$17.36	3.1	10.7
West Virginia	Mississippi	W	W	W	W	W
West Virginia	New Hampshire	\$40.04	\$37.77	\$38.82	-1.5	2.8
West Virginia	New Jersey	W	W	-	-	-
West Virginia	New York	\$13.30	\$15.52	\$20.21	23.3	30.3
West Virginia	North Carolina	\$21.19	\$17.89	\$19.51	-4.1	9.0
West Virginia	Ohio	\$18.22	\$10.57	\$9.47	-27.9	-10.4
West Virginia	Pennsylvania	\$17.24	\$15.03	\$14.41	-8.6	-4.1
West Virginia	South Carolina	\$14.15	\$21.28	\$22.16	25.1	4.1
West Virginia	Tennessee	\$10.13	\$9.24	\$17.31	30.7	87.4
West Virginia	Virginia	\$18.93	\$16.89	\$17.24	-4.6	2.1
West Virginia	West Virginia	\$9.89	\$8.08	\$7.67	-11.9	-5.1
West Virginia	Wisconsin	W	-	W	W	-
Wyoming	Alabama	\$19.46	\$17.15	\$18.38	-2.8	7.2
Wyoming	Arizona	\$20.09	\$17.64	\$19.54	-1.4	10.8
Wyoming	Arkansas	\$18.19	\$16.32	\$16.46	-4.9	0.8
Wyoming	Colorado	\$10.45	\$10.37	\$10.35	-0.5	-0.1
Wyoming	Florida	W	-	-	-	-
Wyoming	Georgia	\$24.02	\$22.01	\$22.68	-2.8	3.0
Wyoming	Illinois	\$13.76	\$13.40	\$14.20	1.6	6.0
Wyoming	Indiana	\$20.69	\$18.22	\$18.28	-6.0	0.4
Wyoming	Iowa	\$9.39	\$8.85	\$9.11	-1.5	2.9
Wyoming	Kansas	\$12.53	\$11.99	\$12.81	1.1	6.9
Wyoming	Kentucky	\$21.34	\$17.08	\$16.13	-13.1	-5.5
Wyoming	Louisiana	\$31.00	\$27.94	\$29.16	-3.0	4.4
Wyoming	Maryland	\$57.78	W	W	W	W
Wyoming	Michigan	\$16.99	\$16.93	\$17.11	0.3	1.1
Wyoming	Minnesota	\$16.17	\$16.50	\$18.51	7.0	12.2
Wyoming	Mississippi	W	\$27.40	\$34.96	W	27.6
Wyoming	Missouri	\$13.72	\$11.66	\$12.61	-4.1	8.1
Wyoming	Montana	W	\$9.61	\$9.56	W	-0.5
Wyoming	Nebraska	\$7.50	\$9.04	\$9.79	14.2	8.4

Origin State	Destination State	Real dollars per ton			Annual percent change	
		2008	2009	2010	2008-2010	2009-2010
Wyoming	Nevada	\$22.52	\$22.04	\$26.05	7.6	18.2
Wyoming	North Dakota	W	W	W	W	W
Wyoming	Ohio	\$25.17	\$23.40	\$27.86	5.2	19.1
Wyoming	Oklahoma	\$12.44	\$16.60	\$16.07	13.6	-3.2
Wyoming	Oregon	W	W	W	W	W
Wyoming	South Dakota	\$19.23	\$18.44	\$19.30	0.2	4.7
Wyoming	Tennessee	\$21.68	\$19.50	\$20.29	-3.3	4.1
Wyoming	Texas	\$12.80	\$13.12	\$18.17	19.2	38.5
Wyoming	Washington	W	\$23.31	\$24.46	W	5.0
Wyoming	West Virginia	-	W	W	-	W
Wyoming	Wisconsin	\$17.38	\$17.67	\$18.01	1.8	1.9
Wyoming	Wyoming	\$6.21	\$5.11	\$4.76	-12.4	-6.8

- = No deliveries reported

W = Data Withheld

Source: Form EIA-923 Power Plant Operations Report

Real values derived using the GDP Chain-type Price Index, 2005=100.