

**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.