

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