



Host Railroad Report

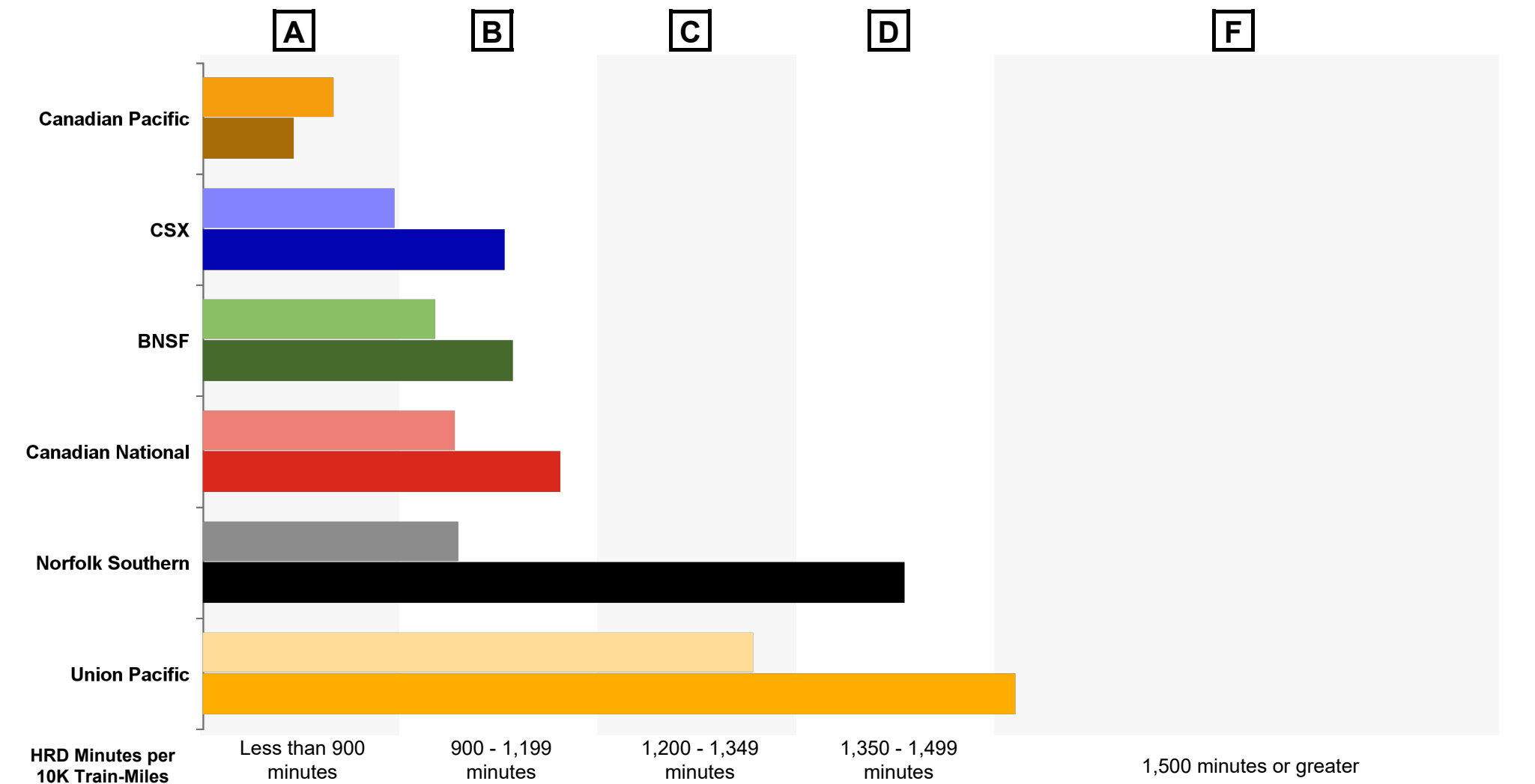
Amtrak Train Performance on Host Railroads

Data through December 2022

Host Railroad Report Card Update

Current Month and 1 Year Snapshot

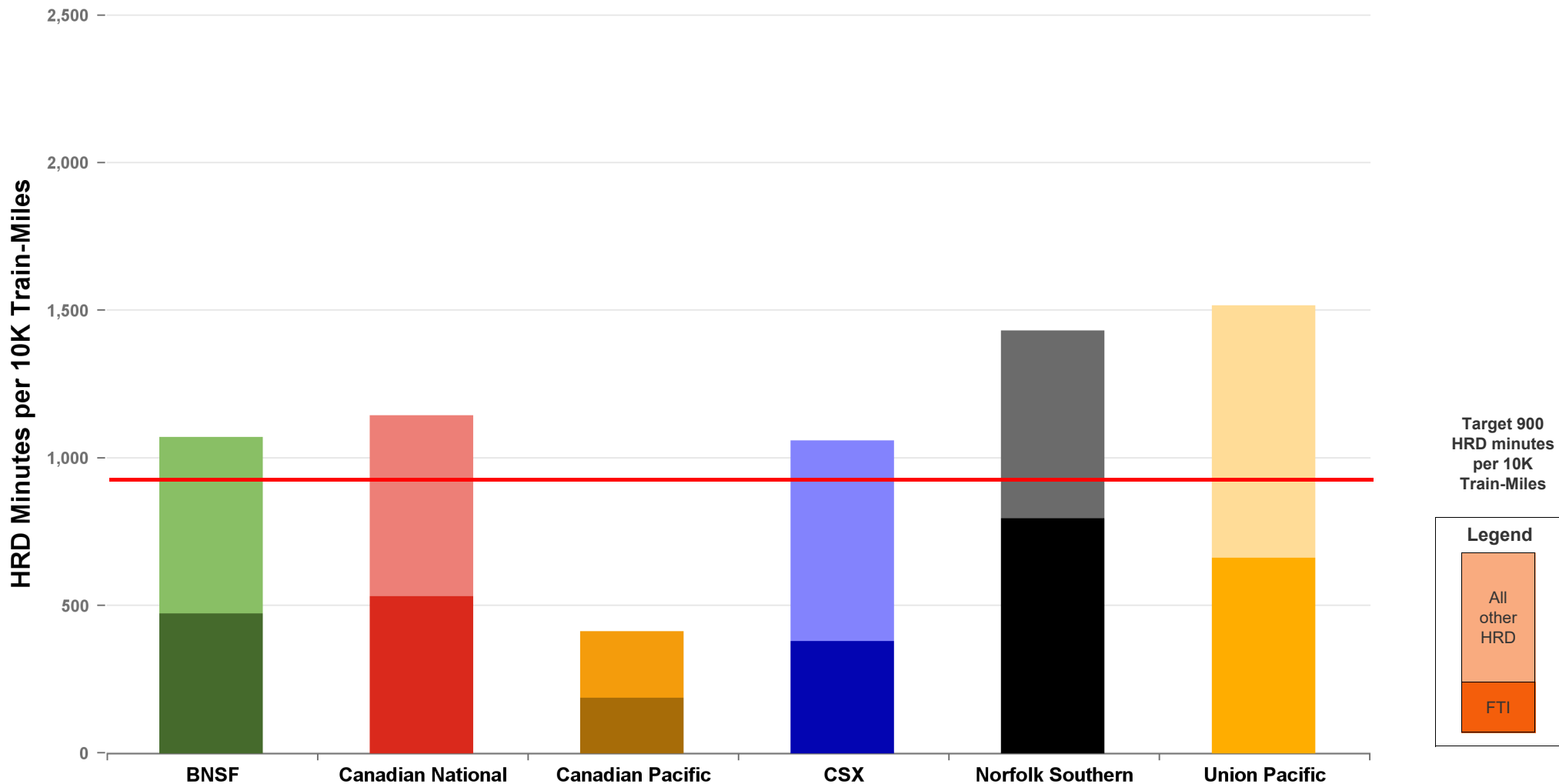
A monthly update of the Host Railroad Report Card, which grades the six major host railroads based on host responsible delay (HRD) minutes per 10,000 train-miles for the current month (lighter shade) and the most recent 12 months.



Total Host-Responsible Delays

1 Year Snapshot

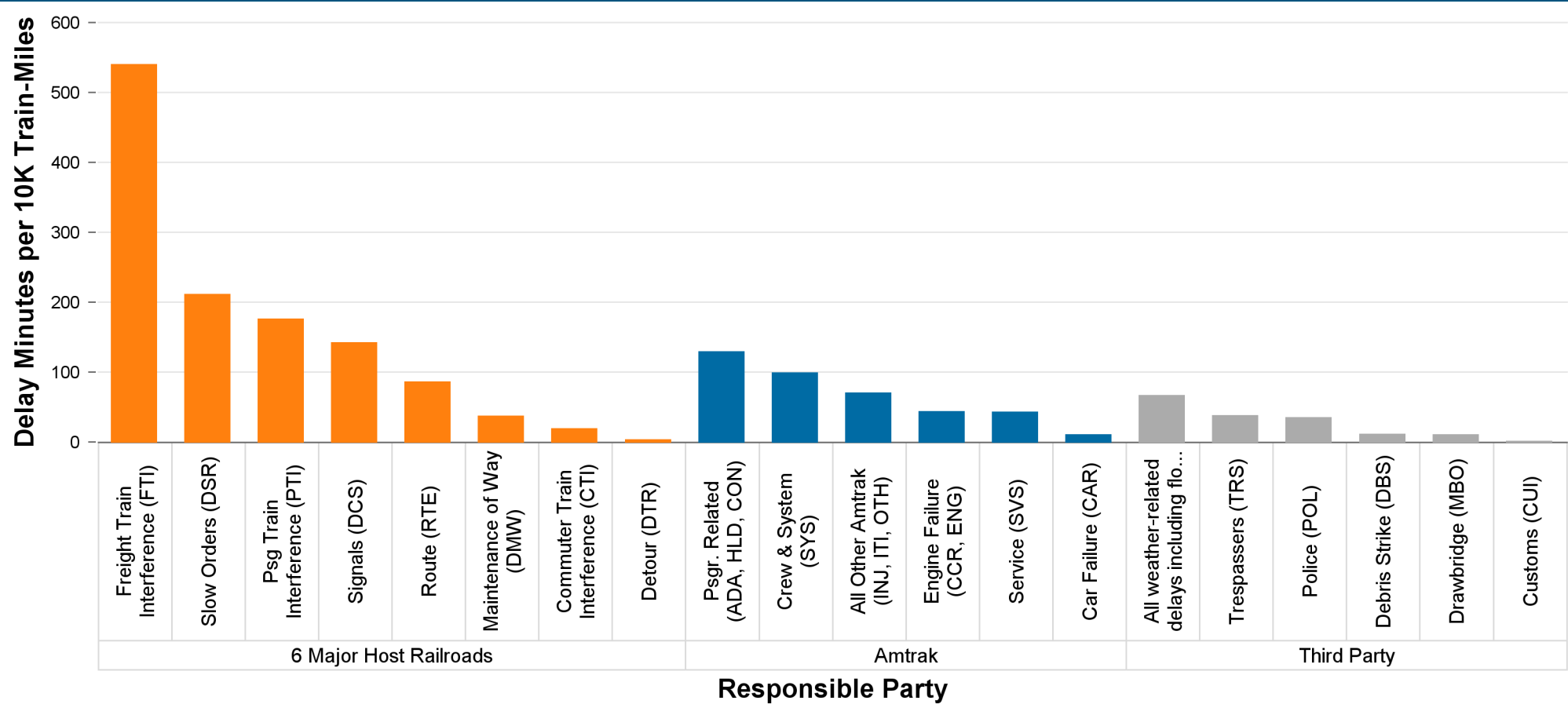
Total host-responsible delay (HRD) minutes per 10,000 train-miles incurred by Amtrak trains on the six major host railroads, with delays attributable to freight train interference (FTI) shaded.



Delays to Amtrak Trains by Responsible Party

1 Year Snapshot

Delay minutes per 10,000 train-miles on the six major host railroads categorized by delay type and responsible party.

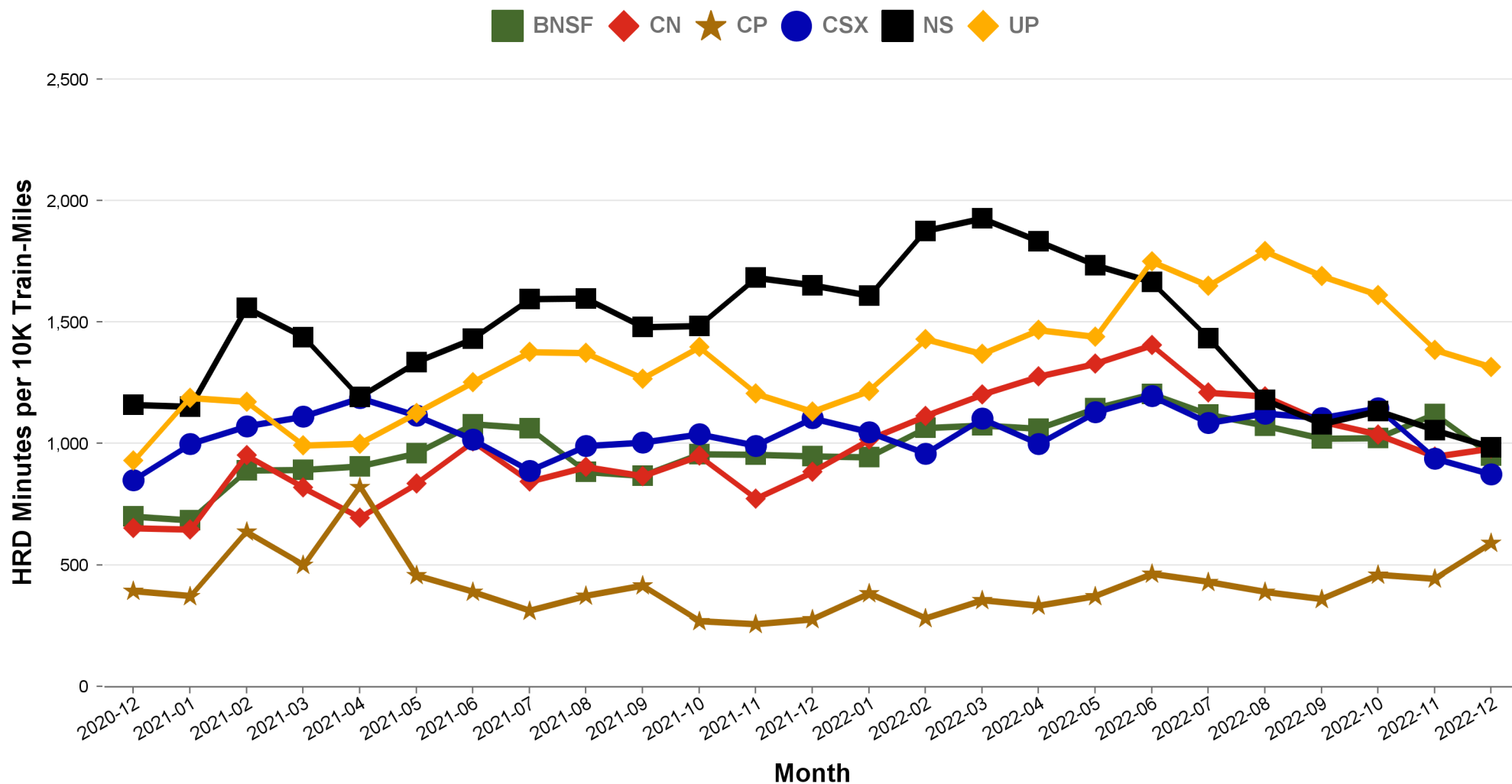


Responsible Party	6 Major Host Railroads	Amtrak	Third Party
Delay Minutes per 10K Train-Miles	1222	391	160
Percentage of Total Delays	68.9%	22.1%	9.0%

Total Host-Responsible Delays

2 Year Snapshot

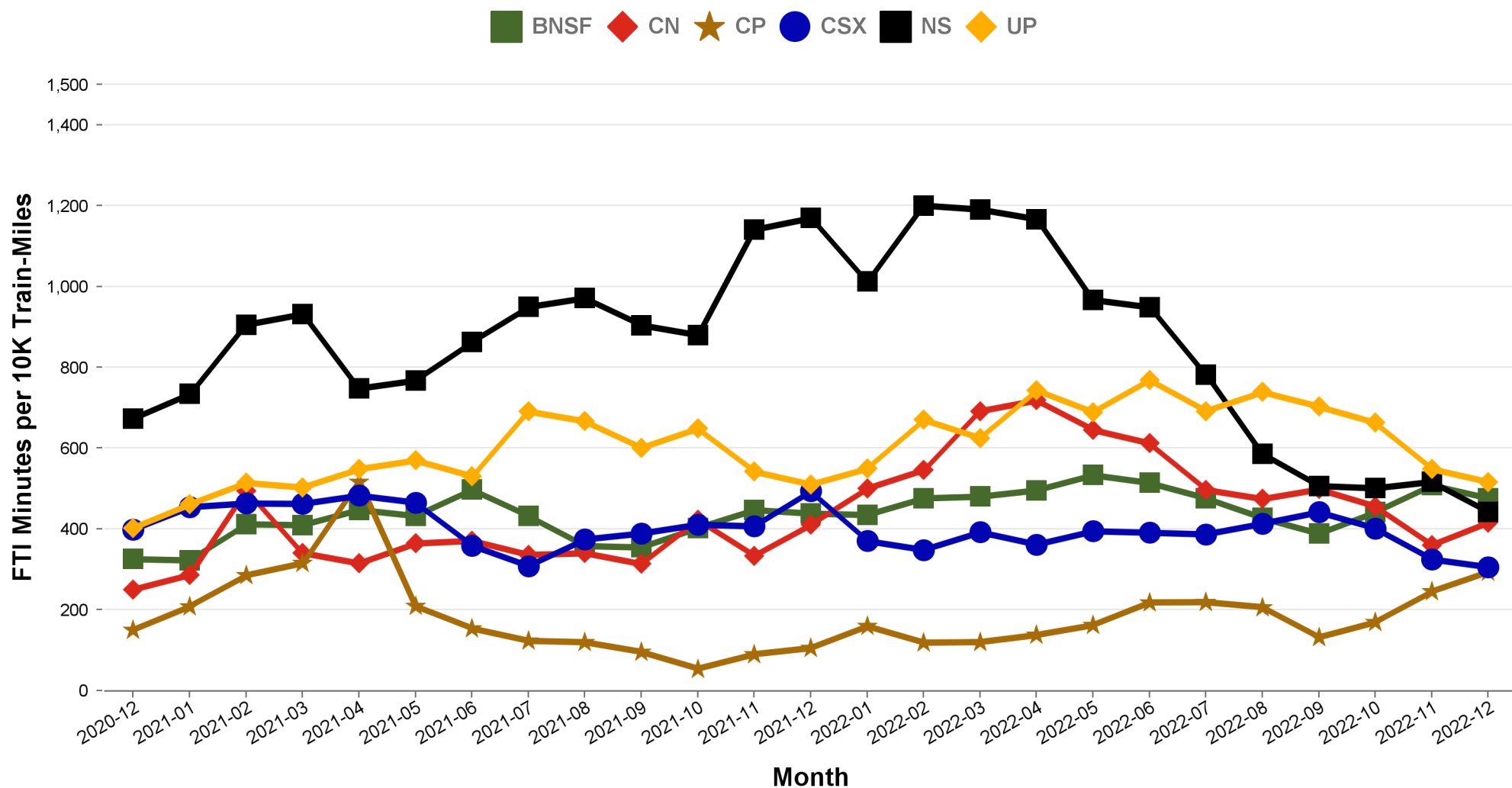
Total host-responsible delay (HRD) minutes per 10,000 train-miles incurred by Amtrak trains on each of the six major host railroads for the most recent two years.



Freight Train Interference Delays

2 Year Snapshot

Total delay minutes per 10,000 train-miles attributable to freight train interference (FTI) incurred by Amtrak trains on each of the six major host railroads for the most recent two years.



Host	Service	Total Host Responsible Delays		Largest Two Delay Categories - Current Month				Route Miles
		Current Month	Most Recent 12 Months	#1		#2		
Target		900	900					
BNSF	California Zephyr	907	1013	FTI	406	DSR	152	1027
	Carl Sandburg / Illinois Zephyr	648	845	FTI	316	CTI	132	257
	Cascades	1352	1375	FTI	482	DSR	317	317
	Coast Starlight	1151	1252	FTI	410	PTI	216	158
	Empire Builder	1087	913	FTI	774	DCS	98	2147
	Heartland Flyer	1862	2083	DSR	936	FTI	756	236
	Pacific Surfliner	631	1282	DCS	145	RTE	134	22
	San Joaquins	988	1154	FTI	472	PTI	396	284
	Southwest Chief	669	944	FTI	315	DCS	108	2206
	Sunset Ltd	922	1809	FTI	475	DCS	212	190
	Texas Eagle	1177	1457	FTI	763	DSR	338	116
CN	Blue Water	795	675	FTI	600	DSR	77	159
	City Of New Orleans	819	1071	FTI	255	DCS	149	930
	Illini / Saluki	887	818	FTI	366	DSR	256	304
	Lincoln Service	1644	1973	FTI	1315	DCS	156	35
	Lincoln / Missouri	2435	2524	FTI	2111	DCS	157	35
	Texas Eagle	1529	2152	FTI	862	DCS	311	35
	Wolverine	1868	1839	DSR	622	DCS	450	27
	CP	Empire Builder	935	621	FTI	521	DMW	121
Ethan Allen Express		1055	645	FTI	324	DCS	285	60
Hiawatha		231	169	FTI	102	DCS	53	53
CSX	Auto Train	1062	1389	FTI	419	PTI	223	898
	Capitol Ltd	283	754	RTE	147	FTI	77	307
	Cardinal	827	1057	FTI	332	DSR	151	703
	Carolinian	1036	1247	RTE	258	PTI	252	295
	Lake Shore Ltd	611	810	FTI	254	RTE	127	741
	Maple Leaf	686	948	FTI	328	RTE	176	298
	New York - Niagara Falls	654	841	FTI	295	RTE	178	296
	Palmetto	830	1130	FTI	340	PTI	230	659
	Pere Marquette	88	186	DCS	39	DSR	26	135
	Richmond / Newport News / Norfolk	1332	1273	FTI	382	DSR	253	189
	Silver Meteor	797	858	FTI	306	PTI	227	1152
	Silver Star	874	1007	FTI	273	PTI	241	1209
NS	Blue Water	2920	3893	FTI	1363	DCS	1261	39
	Capitol Ltd	994	2056	FTI	592	RTE	183	481
	Cardinal	2524	2116	PTI	1017	FTI	589	79
	Carolinian	516	839	PTI	244	DCS	124	202
	Crescent	1206	1467	FTI	557	DCS	244	1141
	Lake Shore Ltd	990	1855	FTI	546	PTI	228	339
	Pennsylvanian	484	1170	FTI	242	RTE	153	249
	Pere Marquette	1204	2983	FTI	633	PTI	186	39
	Piedmont	640	738	FTI	203	PTI	145	173
	Richmond / Newport News / Norfolk	1040	814	FTI	305	DSR	293	81
	Roanoke	853	717	FTI	326	PTI	227	216
	Silver Star	80	1237	DCS	57	DSR	11	28
	Wolverine	1867	3840	FTI	1114	DCS	310	39
UP	California Zephyr	1607	1623	FTI	733	DCS	247	1381
	Capitol Corridor	557	752	PTI	234	DCS	123	171
	Cascades	1403	1807	FTI	620	PTI	414	125
	Coast Starlight	1539	1503	DCS	498	FTI	480	1162
	Lincoln Service	1184	1092	FTI	486	PTI	357	231
	Lincoln / Missouri	985	1530	FTI	521	PTI	210	502
	Missouri	610	1339	FTI	372	DMW	68	271
	Pacific Surfliner	2334	1971	DCS	1698	PTI	492	174
	San Joaquins	1123	1348	PTI	495	FTI	326	88
	Sunset Ltd	1487	2095	FTI	809	DCS	219	1784
	Texas Eagle	1380	1968	FTI	899	DSR	170	1073
Amtrak	Adirondack	325	325	DCS	116	PTI	116	100
	Blue Water	289	288	PTI	107	DCS	95	99
	Ethan Allen Express	344	379	PTI	163	RTE	96	100
	Maple Leaf	254	355	RTE	109	DCS	72	109
	New York - Albany	166	214	PTI	43	RTE	42	81
	New York - Niagara Falls	356	390	PTI	127	RTE	112	109
	Wolverine	309	407	PTI	173	DSR	63	99

Minutes of Delay per 10K Train Miles by Host for December 2022

Host	Service	Total Host Responsible Delays		Largest Two Delay Categories - Current Month				Route Miles
		Current Month	Most Recent 12 Months	#1		#2		
Target		900	900					
BBrRR	Cardinal	1608	1345	PTI	434	DMW	401	132
Fla DOT	Silver Meteor	718	703	CTI	440	PTI	206	68
	Silver Star	753	776	CTI	431	PTI	197	68
FR	Auto Train	8046	4937	DSR	5218	CTI	2391	16
	Silver Meteor	3530	4174	DSR	1740	CTI	898	61
	Silver Star	2892	2367	DSR	1711	CTI	554	61
MADOT	Springfield Shuttles	522	718	FTI	165	DCS	151	36
	Vermonter	300	504	DSR	118	PTI	108	50
MBTA	Downeaster	1227	1275	DCS	472	CTI	417	38
Metra	Empire Builder	2309	1547	CTI	1618	DSR	321	29
	Hiawatha	1896	1465	CTI	1017	DSR	504	29
MIDOT	Blue Water	103	469	PTI	60	DCS	43	22
	Wolverine	722	969	PTI	461	RTE	144	134
MNRR	Acela Express	1546	1582	DSR	913	CTI	374	56
	Adirondack	866	866	CTI	467	RTE	259	64
	Ethan Allen Express	471	1021	CTI	349	RTE	91	64
	Lake Shore Ltd	873	1101	CTI	593	RTE	166	64
	Maple Leaf	436	799	CTI	195	DMW	89	64
	New York - Albany	788	1012	CTI	531	RTE	134	64
	New York - Niagara Falls	1214	1502	CTI	680	RTE	317	64
	Richmond / Newport News / Norfolk	1814	1925	DSR	920	CTI	636	56
	Vermonter	2897	2643	DSR	2074	CTI	513	56
NECR	Vermonter	1048	1600	DSR	768	DMW	143	192
NMDOT	Southwest Chief	1594	2046	CTI	679	RTE	388	80
PanAm	Downeaster	943	819	PTI	277	DCS	272	107
SCRRA	Coast Starlight	1104	1103	PTI	778	DCS	173	48
	Pacific Surfliner	789	1159	PTI	267	CTI	257	95
SDNRR	Pacific Surfliner	1034	965	CTI	687	PTI	224	60
Sunder	Cascades	941	842	PTI	508	DCS	188	20
	Coast Starlight	831	1887	PTI	484	CTI	234	20
TRE	Texas Eagle	721	573	CTI	402	PTI	167	33
VTR	Ethan Allen Express	778	718	DSR	513	DCS	139	24

The numbers included in this document are preliminary and are for informational purposes only.
Excludes hosts with fewer than 15 route miles.
Delays on the Amtrak-owned portion of the Northeast Corridor are shown in a separate report, with tighter delay standards.
Northeast Regional: Roanoke includes all trains between Roanoke and points on the NEC; Richmond / Newport News / Norfolk includes all trains between these locations and points on the NEC.



Minutes of Delay per 10K Train Miles by Service for December 2022

Service		Host	Total Host Responsible Delays		Largest Two Delay Categories - Current Month				Route Miles
			Current Month	Most Recent 12 Months	#1		#2		
Target			900	900					
Acela Express									
Acela Express		MNRR	1546	1582	DSR	913	CTI	374	56
All Other NEC Corridor Routes									
Northeast Regional	Richmond / Newport News / Norfolk	CSX	1332	1273	FTI	382	DSR	253	189
		NS	1040	814	FTI	305	DSR	293	81
		MNRR	1814	1925	DSR	920	CTI	636	56
	Roanoke	NS	853	717	FTI	326	PTI	227	216
	Springfield Shuttles	MADOT	522	718	FTI	165	DCS	151	36
Non-NEC Corridor Routes									
Capitol Corridor		UP	557	752	PTI	234	DCS	123	171
Carolinian		CSX	1036	1247	RTE	258	PTI	252	295
		NS	516	839	PTI	244	DCS	124	202
Cascades		BNSF	1352	1375	FTI	482	DSR	317	317
		UP	1403	1807	FTI	620	PTI	414	125
		Sounder	941	842	PTI	508	DCS	188	20
Downeaster		MBTA	1227	1275	DCS	472	CTI	417	38
		PanAm	943	819	PTI	277	DCS	272	107
Empire	Adirondack	Amtrak	325	325	DCS	116	PTI	116	100
		MNRR	866	866	CTI	467	RTE	259	64
	Ethan Allen Express	CP	1055	645	FTI	324	DCS	285	60
		Amtrak	344	379	PTI	163	RTE	96	100
		MNRR	471	1021	CTI	349	RTE	91	64
		VTR	778	718	DSR	513	DCS	139	24
	Maple Leaf	CSX	686	948	FTI	328	RTE	176	298
		Amtrak	254	355	RTE	109	DCS	72	109
		MNRR	436	799	CTI	195	DMW	89	64
	New York - Albany	Amtrak	166	214	PTI	43	RTE	42	81
		MNRR	788	1012	CTI	531	RTE	134	64
	New York - Niagara Falls	CSX	654	841	FTI	295	RTE	178	296
		Amtrak	356	390	PTI	127	RTE	112	109
		MNRR	1214	1502	CTI	680	RTE	317	64
Heartland Flyer		BNSF	1862	2083	DSR	936	FTI	756	236
Hiawatha		CP	231	169	FTI	102	DCS	53	53
		Metra	1896	1465	CTI	1017	DSR	504	29
Illinois	Carl Sandburg / Illinois Zephyr	BNSF	648	845	FTI	316	CTI	132	257
	Illini / Saluki	CN	887	818	FTI	366	DSR	256	304
	Lincoln Service	CN	1644	1973	FTI	1315	DCS	156	35
		UP	1184	1092	FTI	486	PTI	357	231
Lincoln / Missouri		CN	2435	2524	FTI	2111	DCS	157	35
		UP	985	1530	FTI	521	PTI	210	502
Michigan	Blue Water	CN	795	675	FTI	600	DSR	77	159
		NS	2920	3893	FTI	1363	DCS	1261	39
		Amtrak	289	288	PTI	107	DCS	95	99
		MIDOT	103	469	PTI	60	DCS	43	22
	Pere Marquette	CSX	88	186	DCS	39	DSR	26	135
		NS	1204	2983	FTI	633	PTI	186	39
	Wolverine	CN	1868	1839	DSR	622	DCS	450	27
		NS	1867	3840	FTI	1114	DCS	310	39
		Amtrak	309	407	PTI	173	DSR	63	99
		MIDOT	722	969	PTI	461	RTE	144	134
Missouri		UP	610	1339	FTI	372	DMW	68	271
Pacific Surfliner		BNSF	631	1282	DCS	145	RTE	134	22
		UP	2334	1971	DCS	1698	PTI	492	174
		SCRRA	789	1159	PTI	267	CTI	257	95
		SDNRR	1034	965	CTI	687	PTI	224	60
Pennsylvanian		NS	484	1170	FTI	242	RTE	153	249
Piedmont		NS	640	738	FTI	203	PTI	145	173
San Joaquins		BNSF	988	1154	FTI	472	PTI	396	284
		UP	1123	1348	PTI	495	FTI	326	88
Vermonter		MADOT	300	504	DSR	118	PTI	108	50
		MNRR	2897	2643	DSR	2074	CTI	513	56
		NECR	1048	1600	DSR	768	DMW	143	192

Minutes of Delay per 10K Train Miles by Service for December 2022

Service	Host	Total Host Responsible Delays		Largest Two Delay Categories - Current Month				Route Miles
		Current Month	Most Recent 12 Months	#1		#2		
Target		900	900					
Long-Distance Routes								
Auto Train	CSX FR	1062 8046	1389 4937	FTI DSR	419 5218	PTI CTI	223 2391	898 16
California Zephyr	BNSF UP	907 1607	1013 1623	FTI FTI	406 733	DSR DCS	152 247	1027 1381
Capitol Ltd	CSX NS	283 994	754 2056	RTE FTI	147 592	FTI RTE	77 183	307 481
Cardinal	CSX NS BBrRR	827 2524 1608	1057 2116 1345	FTI PTI PTI	332 1017 434	DSR FTI DMW	151 589 401	703 79 132
City Of New Orleans	CN	819	1071	FTI	255	DCS	149	930
Coast Starlight	BNSF UP SCRRA Sounder	1151 1539 1104 831	1252 1503 1103 1887	FTI DCS PTI PTI	410 498 778 484	PTI FTI DCS CTI	216 480 173 234	158 1162 48 20
Crescent	NS	1206	1467	FTI	557	DCS	244	1141
Empire Builder	BNSF CP Metra	1087 935 2309	913 621 1547	FTI FTI CTI	774 521 1618	DCS DMW DSR	98 121 321	2147 384 29
Lake Shore Ltd	CSX NS MNRR	611 990 873	810 1855 1101	FTI FTI CTI	254 546 593	RTE PTI RTE	127 228 166	741 339 64
Palmetto	CSX	830	1130	FTI	340	PTI	230	659
Silver Meteor	CSX Fla DOT FR	797 718 3530	858 703 4174	FTI CTI DSR	306 440 1740	PTI PTI CTI	227 206 898	1152 68 61
Silver Star	CSX NS Fla DOT FR	874 80 753 2892	1007 1237 776 2367	FTI DCS CTI DSR	273 57 431 1711	PTI DSR PTI CTI	241 11 197 554	1209 28 68 61
Southwest Chief	BNSF NMDOT	669 1594	944 2046	FTI CTI	315 679	DCS RTE	108 388	2206 80
Sunset Ltd	BNSF UP	922 1487	1809 2095	FTI FTI	475 809	DCS DCS	212 219	190 1784
Texas Eagle	BNSF CN UP TRE	1177 1529 1380 721	1457 2152 1968 573	FTI FTI FTI CTI	763 862 899 402	DSR DCS DSR PTI	338 311 170 167	116 35 1073 33

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Service	All-Stations OTP		Customer OTP		Avg Mins Late per Late Rider**	
	Current Month	Most Recent 12 Months	Current Month	Most Recent 12 Months	Current Month	Most Recent 12 Months
Amtrak System	74.9%	74.3%	75.2%	73.5%	73	64
NEC Corridor Routes	84.3%	84.9%	79.3%	80.5%	48	42
Minimum Standard			80.0%	80.0%		
Acela Express*	84.5%	86.1%	81.6%	82.7%	40	32
Keystone	95.7%	95.5%	94.7%	94.7%	40	39
Northeast Regional	79.9%	80.4%	74.9%	76.7%	50	45
On Spine Northeast Regional	83.9%	85.3%	79.7%	82.6%	53	42
Richmond / Newport News / Norfolk	75.2%	75.6%	71.0%	72.5%	49	46
Roanoke	70.5%	68.0%	66.0%	64.7%	48	48
Springfield Shuttles	89.8%	88.7%	87.4%	87.6%	35	35
Non-NEC Corridor Routes	78.6%	79.3%	76.9%	75.6%	62	46
Minimum Standard			80.0%	80.0%		
Capitol Corridor	88.6%	88.6%	84.8%	84.5%	43	39
Carolinian	77.4%	65.0%	77.5%	62.5%	46	51
Cascades	65.4%	64.8%	53.9%	56.4%	72	46
Downeaster	85.5%	88.7%	79.3%	81.8%	49	35
Empire	78.9%	83.5%	81.2%	82.5%	85	46
Adirondack	86.5%	86.5%	80.2%	80.2%	128	128
Berkshire Flyer	0.0%	57.8%	0.0%	50.6%	0	41
Ethan Allen Express	78.2%	83.1%	73.2%	78.7%	87	47
Maple Leaf	71.1%	77.5%	77.2%	78.2%	72	49
New York - Albany	89.9%	91.3%	89.5%	88.7%	84	44
New York - Niagara Falls	70.1%	79.3%	70.4%	76.7%	87	47
Heartland Flyer	61.8%	64.5%	61.3%	56.6%	36	45
Hiawatha	87.8%	93.3%	88.0%	91.9%	41	36
Illinois	58.7%	69.4%	60.5%	67.0%	54	46
Carl Sandburg / Illinois Zephyr	70.3%	77.3%	79.8%	77.2%	34	41
Illini / Saluki	54.5%	52.0%	58.7%	56.9%	46	44
Lincoln Service	57.6%	71.8%	58.2%	69.1%	63	49
Lincoln / Missouri	54.8%	43.4%	53.6%	39.6%	64	65
Michigan	66.4%	66.3%	64.8%	64.5%	100	60
Blue Water	65.0%	69.7%	62.2%	65.9%	128	64
Pere Marquette	81.6%	83.0%	89.6%	76.8%	48	44
Wolverine	64.8%	63.0%	61.0%	61.1%	93	60
Missouri	36.5%	62.3%	76.4%	59.7%	37	59
Pacific Surfliner	85.8%	83.2%	86.6%	80.6%	33	39
Pennsylvanian	85.8%	70.6%	87.4%	71.9%	79	40
Piedmont	82.7%	80.3%	74.1%	72.4%	36	41
San Joaquins	80.8%	77.6%	79.0%	72.9%	48	43
Vermonteer	71.8%	74.1%	75.3%	77.3%	69	46
Long-Distance Routes	51.4%	43.7%	57.5%	44.9%	130	109
Minimum Standard			80.0%	80.0%		
Auto Train	72.6%	57.3%	62.2%	39.7%	108	116
California Zephyr	30.4%	25.1%	28.2%	24.5%	191	157
Capitol Ltd	62.8%	44.7%	76.0%	39.8%	62	86
Cardinal	39.2%	45.7%	43.1%	45.3%	66	75
City Of New Orleans	66.9%	51.5%	80.2%	61.0%	122	82
Coast Starlight	49.3%	53.1%	49.1%	53.0%	147	87
Crescent	65.4%	53.4%	68.1%	57.2%	80	90
Empire Builder	25.2%	43.1%	35.8%	47.1%	308	143
Lake Shore Ltd	65.2%	62.0%	76.2%	62.5%	81	68
Palmetto	81.9%	66.3%	82.1%	69.6%	56	57
Silver Meteor	60.5%	46.9%	61.1%	54.3%	48	67
Silver Star	51.8%	32.9%	50.3%	27.5%	68	102
Southwest Chief	48.3%	31.9%	53.4%	26.6%	119	135
Sunset Ltd	24.1%	15.5%	38.6%	18.9%	121	160
Texas Eagle	58.1%	42.9%	56.4%	45.1%	99	101

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Northeast Regional: Roanoke includes all trains between Roanoke and points on the NEC; Richmond/Newport News/Norfolk includes all trains between these locations and points on the NEC.
* Acela Express on-time performance target is 90.0%
** Excludes on-time Customers



Host Railroad Responsible Delays

Code	Code Description	Explanation
CTI	Commuter Train Interference	Delays for meeting or following commuter trains
DCS	Signal Delays	Signal failure or All Other signal delays, wayside defect-detector false-alarms, defective road crossing protection, efficiency tests, drawbridge stuck open
DMW	Maintenance of Way	Maintenance of Way delays including holds for track repairs or MW foreman to clear
DSR	Slow Order Delays	Temporary slow orders, except heat or cold orders
DTR	Detour	Delays from detours
FTI	Freight Train Interference	Delays from freight trains
PTI	Passenger Train Interference	Delays for meeting or following All Other passenger trains
RTE	Routing	Routing-dispatching delays including diversions, late track bulletins, etc.

Amtrak Responsible Delays

Code	Code Description	Explanation
ADA	Passenger Related	All delays related to disabled passengers, wheel chair lifts, guide dogs, etc.
CAR	Car Failure	Mechanical failure on all types of cars
CCR	Cab Car Failure	Mechanical failure on Cab Cars
CON	Hold for Connection	Holding for connections from All Other trains or buses.
ENG	Locomotive Failure	Mechanical failure on engines.
HLD	Passenger Related	All delays related to passengers, checked-baggage, large groups, etc.
INJ	Injury Delay	Delay due to injured passengers or employees.
ITI	Initial Terminal Delay	Delay at initial terminal due to late arriving inbound trains causing late release of equipment.
OTH	Miscellaneous Delays	Lost-on-run, heavy trains, unable to make normal speed, etc.
SVS	Servicing	All switching and servicing delays
SYS	Crew & System	Delays related to crews including lateness, lone-engineer delays

Third-Party Delays

Code	Code Description	Explanation
CUI	Customs	U.S. and Canadian customs delays; Immigration-related delays
DBS	Debris	Debris strikes
MBO	Drawbridge Openings	Movable bridge openings for marine traffic where no bridge failure is involved
NOD	Unused Recovery Time	Wait for departure time
POL	Police-Related	Police/fire department holds on right-of-way or on-board trains
TRS	Trespassers	Trespasser incidents including road crossing accidents, trespasser / animal strikes, vehicle stuck on track ahead, bridge strikes
WTR	Weather-Related	All weather-related delays including floods/washouts, earthquake-related delays, heat or cold orders, slippery rail due to leaves

*These delay codes are applicable to Off-NEC routes only.