ANNUAL OPERATING REPORT 2023

MTA Metro-North Railroad

Contents

MTA Metro-North Railroad

2023 Annual Operating Performance Summary			2023 Data		2022 Data
			Annual Goal	Year-End	Year-End
On Time Performance	**System**	**Overall**	*94.0%*	**97.4%**	**97.1%**
(Trains that arrive at		AM Peak	*94.0%*	97.1%	96.9%
their final destination		AM Reverse Peak	*94.0%*	97.2%	98.0%
within 5 minutes 59 seconds		PM Peak	*94.0%*	97.1%	95.8%
of scheduled arrival time)		**Total Peak**	*94.0%*	**97.1%**	**96.6%**
		Off Peak Weekday	*94.0%*	97.3%	96.9%
		Weekend	*94.0%*	98.2%	97.8%
	Hudson Line	**Overall**	*94.0%*	**97.2%**	**97.0%**
		AM Peak	*94.0%*	97.2%	96.5%
		AM Reverse Peak	*94.0%*	97.4%	97.8%
		PM Peak	*94.0%*	96.9%	96.5%
		Total Peak	*94.0%*	**97.1%**	**96.7%**
		Off Peak Weekday	*94.0%*	97.2%	97.1%
		Weekend	*94.0%*	97.4%	97.1%
	Harlem Line	**Overall**	*94.0%*	**97.2%**	**97.3%**
		AM Peak	*94.0%*	97.1%	97.2%
		AM Reverse Peak	*94.0%*	97.0%	97.8%
		PM Peak	*94.0%*	96.2%	95.4%
		Total Peak	*94.0%*	**96.8%**	**96.5%**
		Off Peak Weekday	*94.0%*	97.1%	97.4%
		Weekend	*94.0%*	98.4%	98.3%
	New Haven Line	**Overall**	*94.0%*	**97.4%**	**96.8%**
		AM Peak	*94.0%*	97.0%	96.8%
		AM Reverse Peak	*94.0%*	97.2%	98.3%
		PM Peak	*94.0%*	97.8%	95.7%
		Total Peak	*94.0%*	**97.4%**	**96.6%**
		Off Peak Weekday	*94.0%*	97.5%	96.5%
		Weekend	*94.0%*	98.5%	97.8%
Operating Statistics		**Trains Scheduled**		**222,303**	**214,928**
		Avg. Delay per Late Train (min) excluding trains cancelled or terminated		16.5	14.3
		Trains Over 15 min. Late excluding trains cancelled or terminated	*2,300*	1,578	1,609
		Trains Canceled	*230*	326	158
		Trains Terminated	*230*	276	177
		Percent of Scheduled Trips Completed	*99.8%*	99.7%	99.8%
Consist Compliance	**System**	**Overall**	*99.0%*	**99.9%**	**100.0%**
(Percent of trains where the		AM Peak	*99.0%*	99.8%	99.9%
number of seats provided		AM Reverse Peak	*99.0%*	100.0%	100.0%
was greater than or equal		PM Peak	*99.0%*	99.8%	99.8%
to the required number of		**Total Peak**	*99.0%*	**99.9%**	**99.9%**
seats per loading standards)		Off Peak Weekday	*99.0%*	99.9%	100.0%
		Weekend	*99.0%*	99.9%	100.0%
	Hudson Line	AM Peak	*99.0%*	100.0%	100.0%
		PM Peak	*99.0%*	99.9%	100.0%
	Harlem Line	AM Peak	*99.0%*	998.0%	100.0%
		PM Peak	*99.0%*	99.9%	99.8%
	New Haven Line	AM Peak	*99.0%*	99.8%	99.9%
		PM Peak	*99.0%*	99.6%	99.7%

Delay Incidents SYSTEM Category of Delay	% Total	**2023 Data** Year Ending Dec 31	**2022 Data** Year Ending Dec 31	**YTD 2023 Vs 2022**
Infrastructure Maintenance	18.83%	1272	1708	-436
Fleet	15.23%	1029	1188	-159
Train Operations	8.97%	606	724	-118
Capital Projects	1.14%	77	95	-18
External Factors	37.73%	2549	1327	1222
Police	15.87%	1072	1083	-11
Customer Assistance	2.24%	151	169	-18
TOTAL	100.00%	6756	6294	462
HUDSON LINE	% Total	Year Ending Dec 31	Year Ending Dec 31	**YTD 2023 Vs 2022**
Infrastructure Maintenance	4.29%	290	371	-81
Fleet	4.84%	327	305	22
Train Operations	3.09%	209	198	11
Capital Projects	0.43%	29	21	8
External Factors	8.64%	584	417	167
Police	3.49%	236	291	-55
Customer Assistance	0.53%	36	46	-10
TOTAL	25.33%	1711	1649	62
HARLEM LINE	% Total	Year Ending Dec 31	Year Ending Dec 31	**YTD 2023 Vs 2022**
Infrastructure Maintenance	6.68%	451	521	-70
Fleet	3.67%	248	305	-57
Train Operations	2.29%	155	198	-43
Capital Projects	0.28%	19	21	-2
External Factors	14.36%	970	417	553
Police	4.94%	334	291	43
Customer Assistance	0.70%	47	46	1
TOTAL	32.92%	2224	1799	425
NEW HAVEN LINE	% Total	Year Ending Dec 31	Year Ending Dec 31	**YTD 2023 Vs 2022**
Infrastructure Maintenance	7.86%	531	816	-285
Fleet	6.72%	454	527	-73
Train Operations	3.58%	242	324	-82
Capital Projects	0.43%	29	12	17
External Factors	14.73%	995	622	373
Police	7.43%	502	555	-53
Customer Assistance	1.01%	68	76	-8
TOTAL	41.76%	2821	2932	-111

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2023 MNR Delay Incidents: 6756

Category	Value
External Factors	2549
Infrastructure Maintenance	1272
Police	1072
Fleet	1029
Train Operations	606
Customer Assistance	151
Capital Projects	77
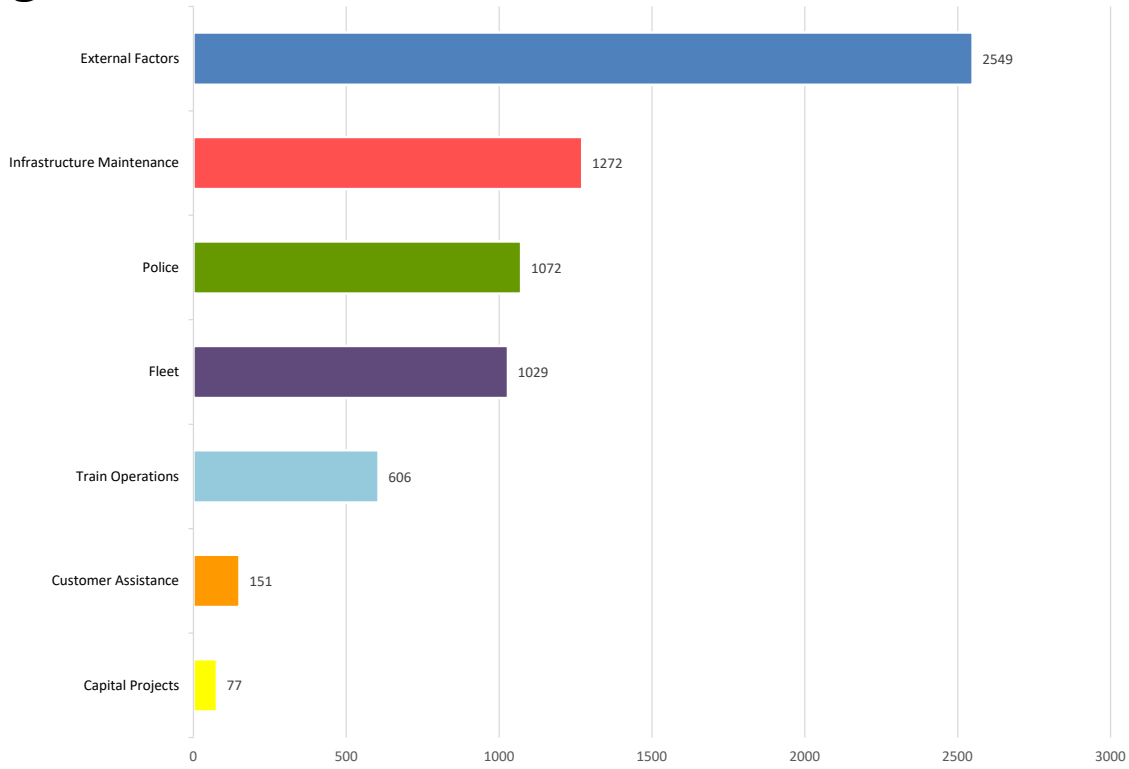
2023 MNR Cancellations and Terminations: 601

Category	Value
External Factors	431
Police	74
Fleet	66
Infrastructure Maintenance	19
Train Operations	8
Customer Assistance	3
Capital Projects	0

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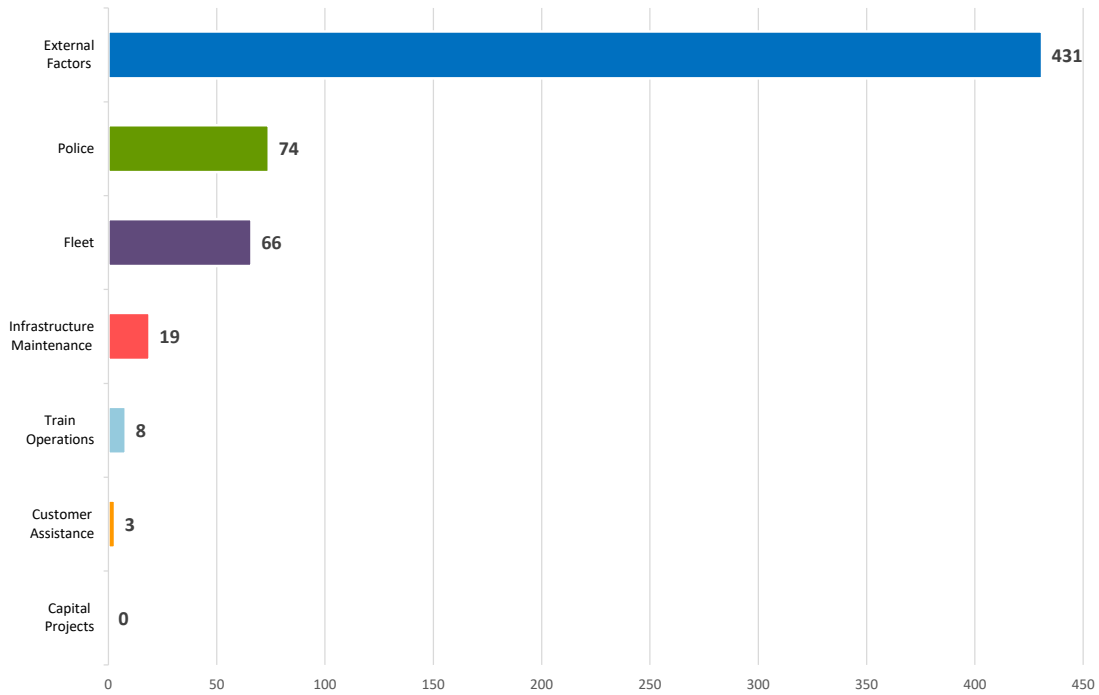
Mean Distance Between Failure

Equipment Type	Total Fleet Size	2023						2022		
		MDBF Goal (miles)	December MDBF (miles)	YTD MDBF thru Dec (miles)	12 month MDBF Rolling Avg (miles)	Primary Failure Goal	Dec No. of Primary Failures	December MDBF (miles)	Dec No. of Primary Failures	YTD MDBF thru Dec (miles)
M8	451	290,000	849,082	684,503	684,503	5	3	361,698	7	585,335
M7	334	340,000	584,530	566,166	566,166	5	3	849,560	2	540,654
M3	90	80,000	155,334	109,419	109,419	2	1	33,110	5	70,910
Coach	207	210,000	288,946	450,852	450,852	5	5	210,626	7	262,704
P-32	31	21,000	92,180	34,640	34,640	6	2	62,476	3	29,844
BL-20	12	13,000	21,985	34,556	34,556	3	2	55,073	1	14,588
FLEET	1125	175,000	383,077	331,964	331,964	26	16	244,538	25	233,617

Equipment Type Grouping	2023						2022		
	MDBF Goal (miles)	December MDBF (miles)	YTD MDBF thru Dec (miles)	12 month MDBF Rolling Avg (miles)	Primary Failure Goal	Dec No. of Primary Failures	December MDBF (miles)	Dec No. of Primary Failures	YTD MDBF thru Dec (miles)
M8	290,000	849,082	684,503	684,503	5	3	361,698	7	585,335
M3/M7	235,000	477,231	397,891	397,891	7	4	266,381	7	273,754
Diesel/Coach	85,000	185,896	168,662	168,662	14	9	156,080	11	112,250

ALL FLEETS
Mean Distance Between Failures
2018 - 2023

MTA Metro-North Railroad
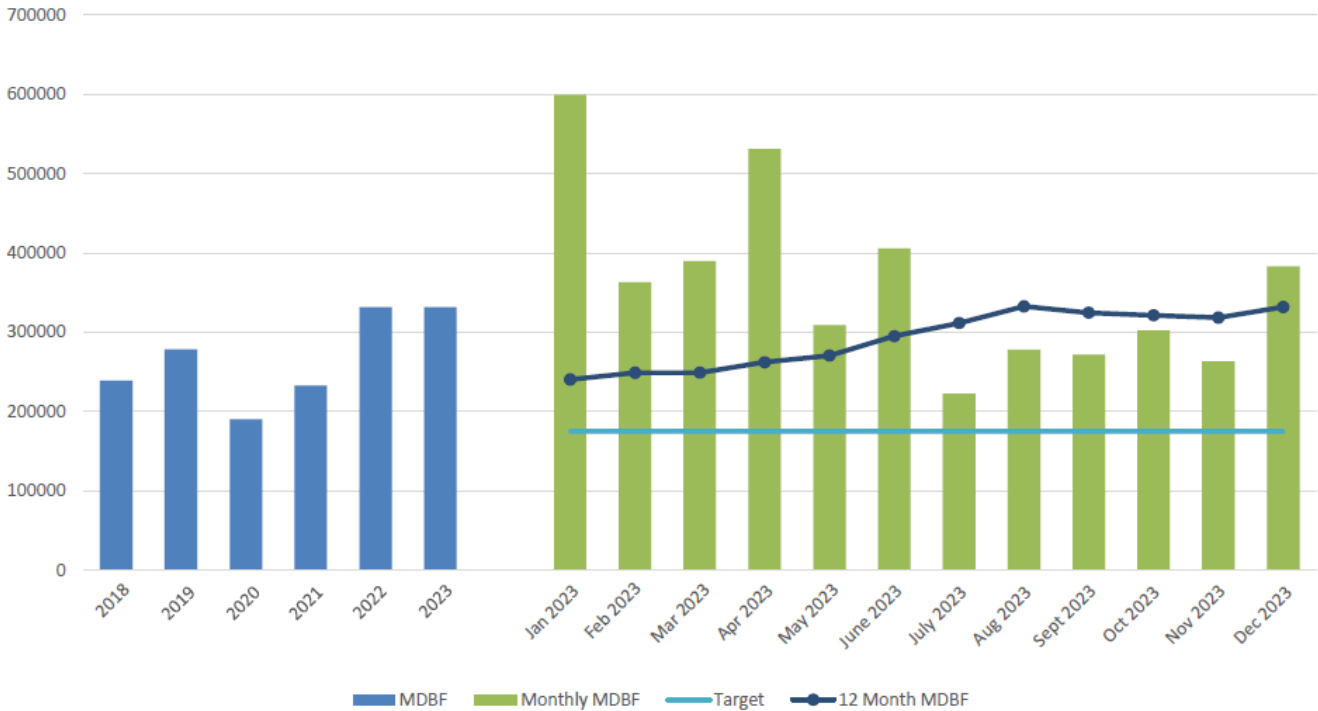
Elevator & Escalator Availability

Elevator Availability	Annual Rating	
	2023	**2022**
Grand Central Terminal	98.60%	99.96%
Harlem	99.84%	99.91%
Hudson	99.82%	99.93%
New Haven	99.80%	99.93%
Overall Average	**99.52%**	**99.93%**

Escalator Availability	Annual Rating	
	2023	**2022**
Grand Central Terminal	100.00%	100.00%
White Plains	99.91%	99.95%
Overall Average	**99.95%**	**99.98%**

West of Hudson Performance Summary			2023 Data		2022 Data
			Annual Goal	YEAR-END	YEAR-END
On Time Performance *(Trains that arrive at their final destination within 5 minutes 59 seconds of scheduled arrival time)*	**West of Hudson Total**	**Overall**	*94.0%*	*93.2%*	**93.0%**
		AM Peak	*94.0%*	*95.3%*	95.1%
		PM Peak	*94.0%*	*94.2%*	93.8%
		Total Peak	*94.0%*	*94.8%*	**94.4%**
		Off Peak	*94.0%*	*93.1%*	92.0%
		Weekend	*94.0%*	*90.9%*	92.7%
	Pascack Valley Line	**Overall**	*94.0%*	*95.1%*	**92.9%**
		AM Peak	*94.0%*	*96.5%*	96.1%
		PM Peak	*94.0%*	*96.5%*	95.8%
		Total Peak	*94.0%*	*96.5%*	**96.0%**
		Off Peak	*94.0%*	*95.4%*	90.8%
		Weekend	*94.0%*	*92.1%*	92.5%
	Port Jervis Line	**Overall**	*94.0%*	*90.8%*	**93.0%**
		AM Peak	*94.0%*	*93.0%*	93.4%
		PM Peak	*94.0%*	*91.9%*	91.4%
		Total Peak	*94.0%*	*92.4%*	**92.3%**
		Off Peak	*94.0%*	*90.3%*	93.4%
		Weekend	*94.0%*	*89.0%*	93.1%
Operating Statistics		**Trains Scheduled**		**19,735**	**19,879**
		Avg. Delay per Late Train (min) excluding trains cancelled or terminated		21.4	20.5
		Trains Over 15 min. Late excluding trains cancelled or terminated	*300*	684	661
		Trains Canceled	*60*	39	88
		Trains Terminated	*60*	65	64
		Percent of Scheduled Trips Completed	*99.4%*	99.5%	99.2%
Consist Compliance* *(Percent of trains where the number of coaches provided met the scheduled requirement)*		**System - AM**	*99.0%*	**94.7%**	**94.8%**
		Pascack Valley - AM	*99.0%*	96.9%	96.1%
		Port Jervis - AM	*99.0%*	92.2%	93.2%

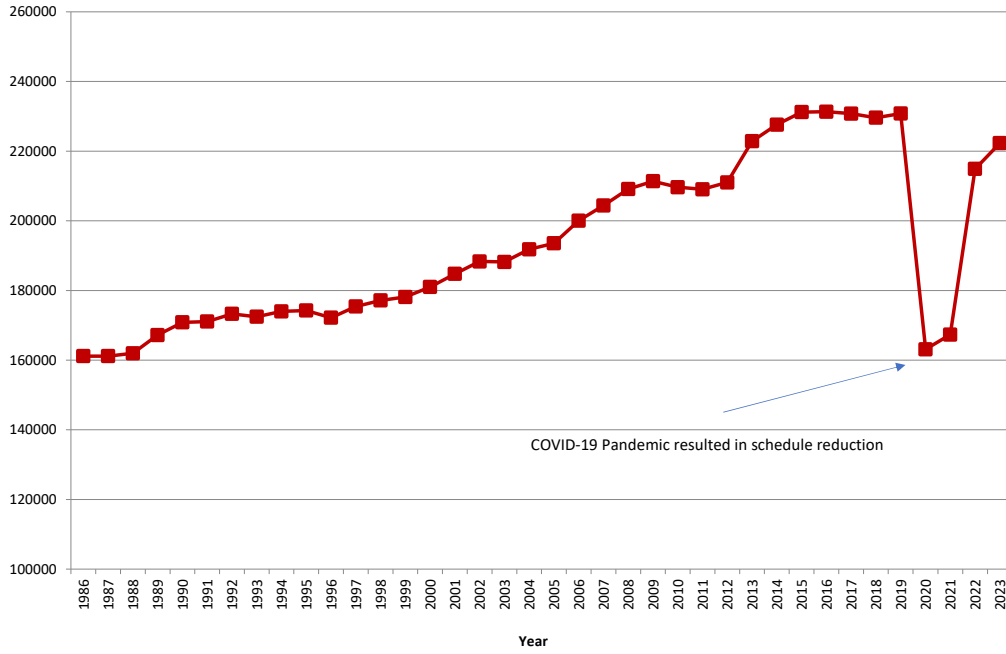*Consist Compliance Reporting for West of Hudson PM Peak trains is currently unavailable.

Metro-North Railroad

2023
On Time Performance
By Month
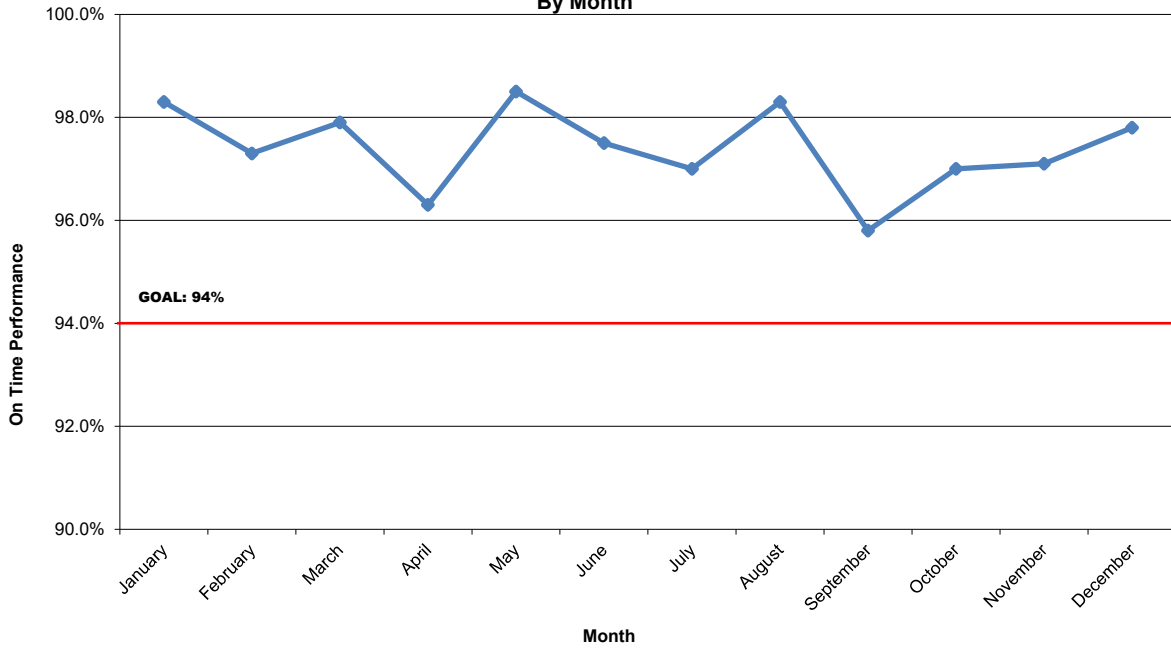
On Time Performance
By Year
1983 through 2023

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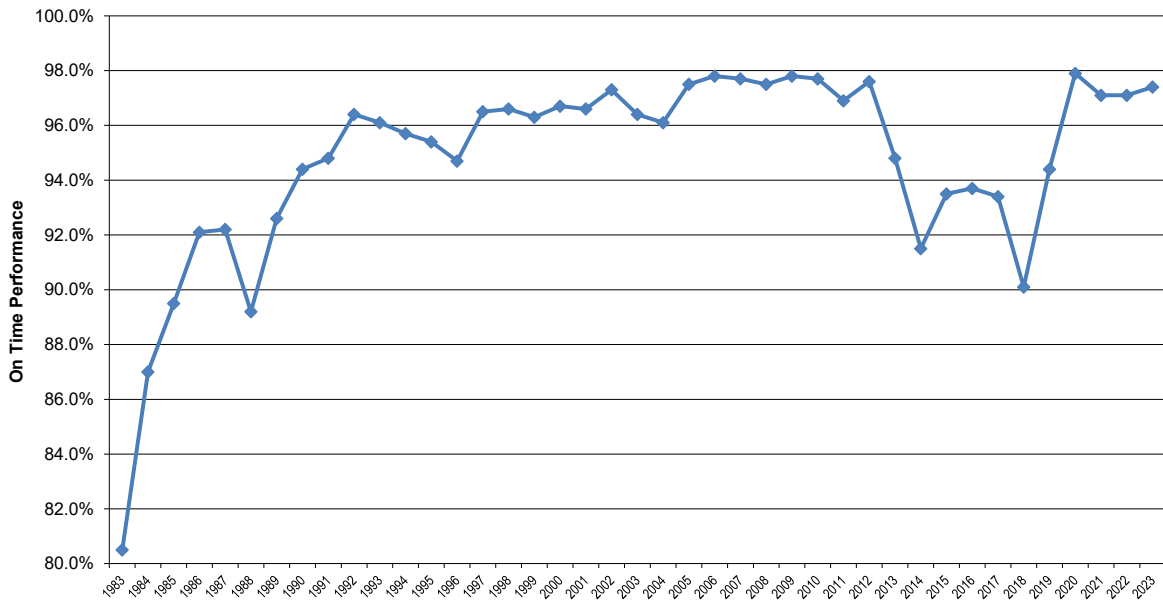
Scheduled Trains by Year

COVID-19 Pandemic resulted in schedule reduction

Year

Percentage of Adversely Impacted Trains
(>15' Late, Cancelled, Terminated)

Year