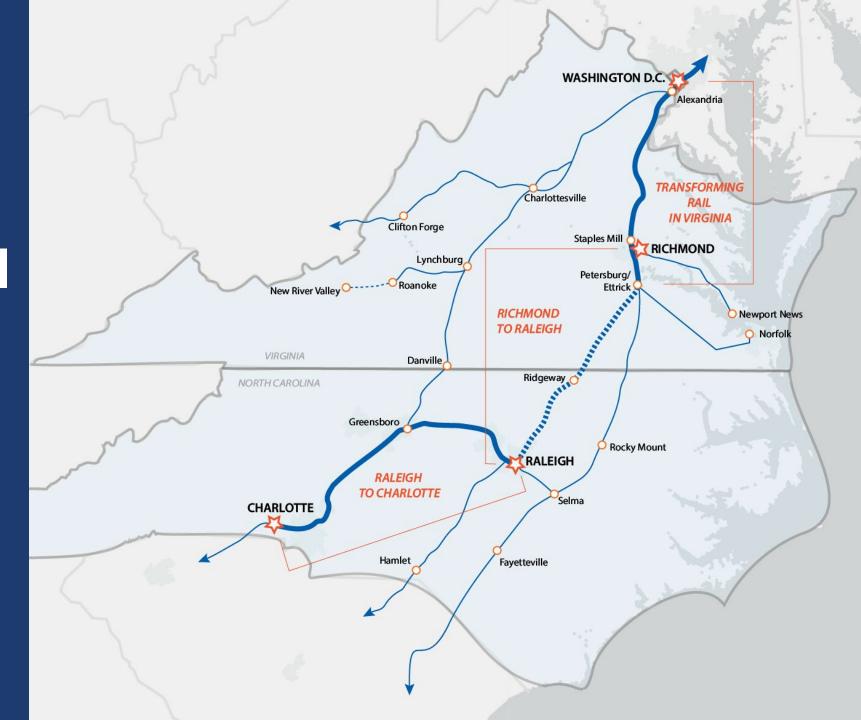
Passenger Rail Service Performance

Jeremy Latimer Director of Rail Services





What is On Time Performance? (OTP)

Customer OTP

- Percentage of **all customers** who arrive at their destination no later than 15 mins after scheduled arrival.
- Recovery in schedule to benefit busiest stations.
- Federal Standard
- Goal: 80%

All Station OTP

- Percentage of **trains** arriving at a station no later than 15 mins after scheduled arrival.
- Not a federal standard
- Identifies where delays happen.



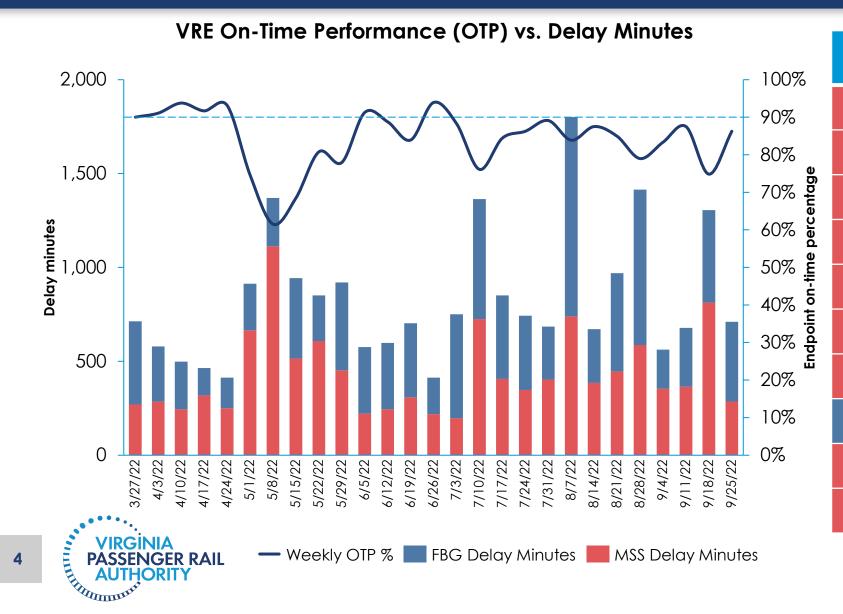
Virginia Customer OTP

Route	FFY 2022 Quarter 1	FFY 2022 Quarter 2
Richmond, Newport News, Norfolk	74%	75%
Roanoke	81%	77%

- Effective Date of FRA Rule: December 16, 2020
- Application of Standard on the first full calendar quarter after May 17, 2021
 - Oct 1, 2021 Dec 31, 2021 (Q1)
 - Jan 1, 2022 Mar 31, 2022 (Q2)



VRE On-Time Performance



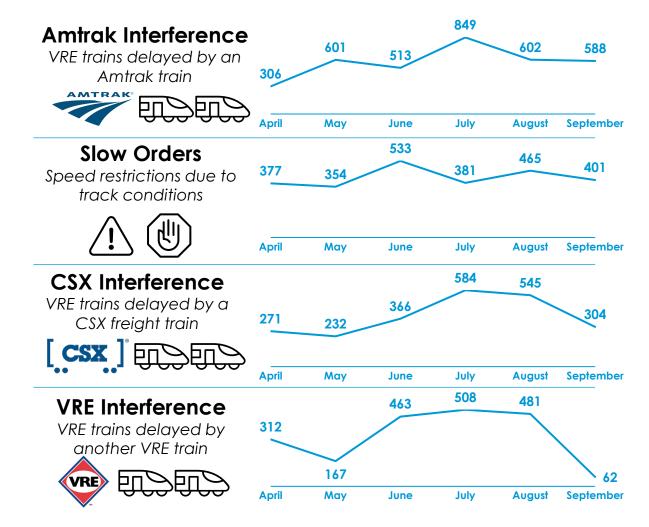
10 Most-Challenged VRE Trains by OTP April-September 2022

	Арш-	
333	53.5%	Manassas Line (Southbound, dep WAS at 5:30pm)
331	55.1%	Manassas Line (Southbound, dep WAS at 5:10pm)
329	60.1%	Manassas Line (Southbound, dep WAS at 4:10pm)
327	68.5%	Manassas Line (Southbound, dep WAS at 3:20pm)
336	69.5%	Manassas Line (Northbound, arr WAS at 4:57pm)
335	77.2%	Manassas Line (Southbound, dep WAS at 6:00pm)
328	78.7%	Manassas Line (Northbound, arr WAS at 7:35am)
307	80.5%	Fredericksburg Line (Southbound, dep WAS at 4:00pm)
338	80.6%	Manassas Line (Northbound, arr WAS at 6:29pm)
325	82.4%	Manassas Line (Southbound, dep WAS at 1:15pm)



VRE Top Delay Trends – April-September 2022

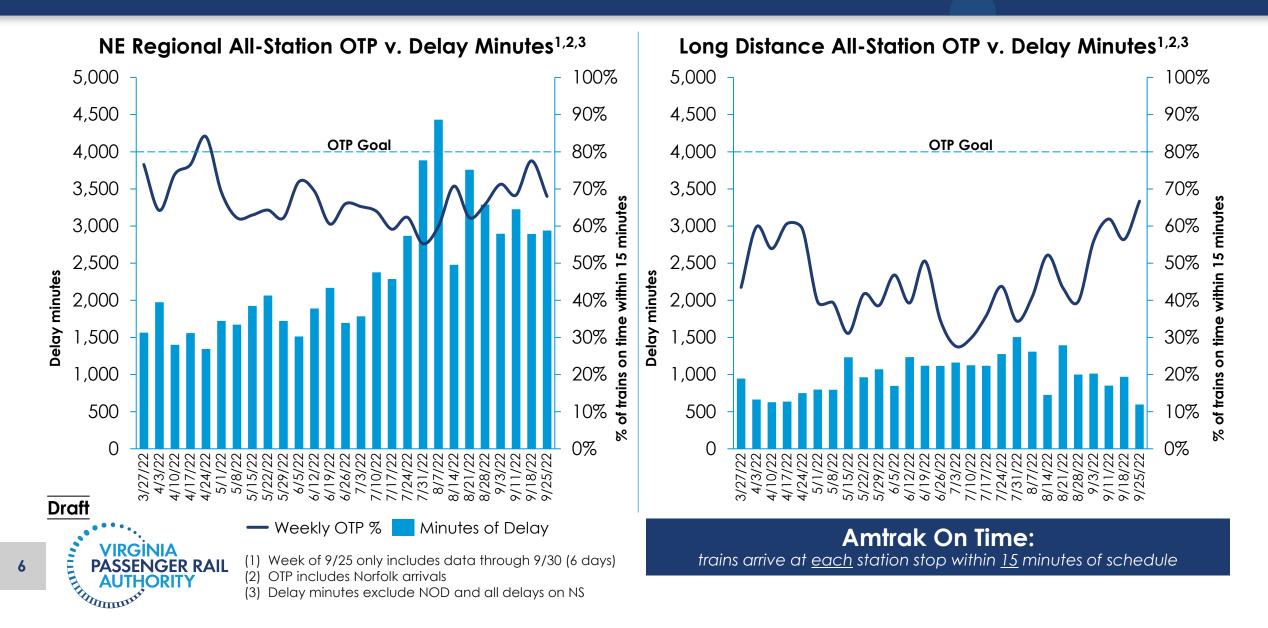
April-September 2022 Total Delay Minutes by Category – Top Four Delay Categories





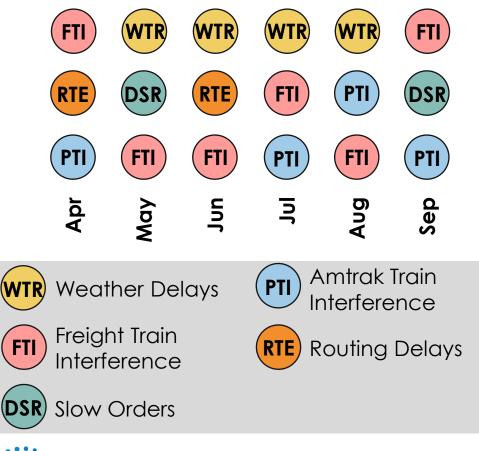
5

Amtrak On-Time Performance in Virginia

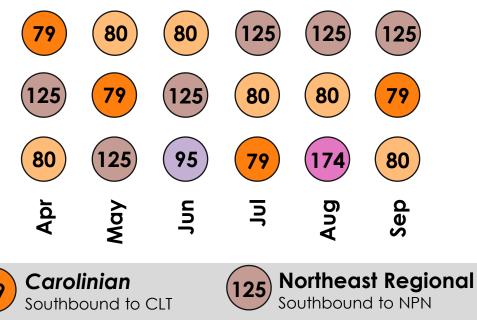


Amtrak Top Delay Categories and Delayed Trains

Top 3 Delay Categories by Month^{1,2}



Top 3 Delayed Trains by Month^{1,2}





Northeast Regional Northbound from NPN



80

Northeast Regional Southbound to NFK



7

Draft

Amtrak Top Delay Locations on RF&P: April-Sept. 2022



	XVG - ALX	RVR - PTB	RVR - PTB	XVG - ALX	WAS - WAS	WAS - WAS	
	WAS - WAS	XVG - ALX	FBG - ASD	WAS - WAS	XVG - ALX	XVG - ALX	
	RVR - PTB	WAS - WAS	XVG - ALX	RVR - PTB	RVR - PTB	RVR - PTB	
	Apr	May	nu	חר	Aug	Sep	
- WAS	Washington Un (delay in station)	nion Station		FBG - ASD	Fredericksburg (does not include C	•	
- ALX	CP Virginia – (CP Virginia is at 2 ⁿ segment includes I	nd Ave. SW & E St., n	ear L'Enfant VRE;	RVR - PTB	Richmond-Stap	oles Mill Road	- Petersburg



WAS

XVG

8



April 2022 Station OTP (OT≤15")

	Northbound				Southbound			
Station Name	80 Carolinian	Northeast Regional	90 Palmetto	92 Silver Star	79 Carolinian	Northeast Regional	89 Palmetto	91 Silver Star
Washington Union	60%▲	85%▼	77%▼	20%▲	93%▼	83%▲	97%▲	57%▼
Alexandria	53%▲	84%▲	47%▼	17%▲	80%▼	68%▼	97%▲	43%▲
Woodbridge		92%▲				68%▼		
Quantico	53%▲	85%▲			77%▲	59%▲		
Fredericksburg	53%▲	88%▲			73%▼	57%▲		
Ashland		90%▼				52%▲		
Richmond Staples Mill Road	63%▲	91%▼	43%▼	20%▲	87%▲	57%▲	87%▲	33%▲
Richmond Main Street		93%▲				62%▼		
Williamsburg		100%▲				66%▲		
Newport News						69%▼		
Petersburg	43%▲	93%▲	27%▲	17%▲	77%▲	56%▲	77%▼	33%▲
Norfolk						69%▼		
	1							



Amtrak Trains arriving in Virginia late hurts OTP

May 2022 Station OTP (OT≤15")

	Northbound			Southbound				
Station Name	80 Carolinian	Northeast Regional	90 Palmetto	92 Silver Star	79 Carolinian	Northeast Regional	89 Palmetto	91 Silver Star
Washington Union	19%▼	78%▼	9%▼	0%▼	87%▼	66%▼	95%▼	52%▼
Alexandria	19%▼	80%▼	9%▼	0%▼	71%▼	52%▼	95%▼	35%▼
Woodbridge		95%▲				51%▼		
Quantico	19%▼	86%▲			65%▼	39%▼		
Fredericksburg	19%▼	90%▲			68%▼	39%▼		
Ashland		92%▲				30%▼		
Richmond Staples Mill Road	45%▼	95%▲	14%▼	3%▼	68%▼	38%▼	82%▼	16%▼
Richmond Main Street		90%▼				39%▼		
Williamsburg		97%▼				39%▼		
Newport News						42%▼		
Petersburg	39%▼	91%▼	9%▼	0%▼	52%▼	37%▼	68%▼	10%▼
Norfolk						49%▼		
VIRGINIA	▲ ▼Change f	from previous	month					



As temperatures rose, performance decreased.

June 2022 Station OTP (OT≤15")

		North	oound		Southbound			
Station Name	80 Carolinian	Northeast Regional	90 Palmetto	92 Silver Star	79 Carolinian	Northeast Regional	89 Palmetto	91 Silver Star
Washington Union	20%▲	84%▲	30%▲	0%	97%▲	72%▲	93%▼	70%▲
Alexandria	17%▼	82%▲	13%▲	0%	80%▲	62%▲	83%▼	50%▲
Woodbridge		90%▼				59%▲		
Quantico	13%▼	83%▼			73%▲	45%▲		
Fredericksburg	13%▼	84%▼			83%▲	47%▲		
Ashland		90%▼				30%▼		
Richmond Staples Mill Road	50%▲	91%▼	27%▲	0%▼	83%▲	34%▼	83%▲	27%▲
Richmond Main Street		83%▼				53%▲		
Williamsburg		93%▼				40%▲		
Newport News						40%▼		
Petersburg	30%▼	88%▼	7%▼	0%	67%▲	36%▼	73%▲	27%▲
Norfolk						43%▼		
• • • • • • • • • • • • • • • • • • •								

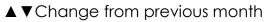
▲ ▼ Change from previous month



NB Silver Star never arrived on time in June.

July 2022 Station OTP (OT≤15")

	Northbound				Southbound			
Station Name	80 Carolinian	Northeast Regional	90 Palmetto	92 Silver Star	79 Carolinian	Northeast Regional	89 Palmetto	91 Silver Star
Washington Union	13%▼	66%▼	26%▼	0%	90%▼	74%▲	100%▲	52%▼
Alexandria	16%▼	68%▼	16%▲	0%	58%▼	62%▼	77%▼	32%▼
Woodbridge		66%▼				49%▼		
Quantico	16%▲	69%▼			52%▼	36%▼		
Fredericksburg	16%▲	73%▼			58%▼	35%▼		
Ashland		82%▼				23%▼		
Richmond Staples Mill Road	42%▼	85%▼	26%▼	3%▲	55%▼	26%▼	87%▲	13%▼
Richmond Main Street		69%▼				43%▼		
Williamsburg		88%▼				43%▲		
Newport News						45%▲		
Petersburg	32%▲	88%▲	19%▲	0%	39%▼	19%▼	74%▲	10%▼
Norfolk			-			31%▼		
••••								



VIRGINIA PASSENGER RAIL AUTHORITY

Heat Orders had major impacts on trains in July.

August 2022 Station OTP (OT≤15")

	Northbound			Southbound				
Station Name	80 Carolinian	Northeast Regional	90 Palmetto	92 Silver Star	79 Carolinian	Northeast Regional	89 Palmetto	91 Silver Star
Washington Union	16%▲	71%▲	58%▲	6%▲	97%▲	75%▲	87%▼	74%▲
Alexandria	10%▼	70%▲	40%▲	3%▲	77%▲	63%▲	80%▲	23%▼
Woodbridge		64%▼				54%▲		
Quantico	16%	71%▲			71%▲	43%▲		
Fredericksburg	16%	76%▲			68%▲	4 1%▲		
Ashland		85%▲				34%▲		
Richmond Staples Mill Road	42%	90%▲	67%▲	0%▼	84%▲	38%▲	83%▼	13%
Richmond Main Street		74%▲				49%▲		
Williamsburg		97%▲				53%▲		
Newport News						56%▲		
Petersburg	23%▼	92%▲	33%▲	3%▲	61%▲	29%▲	77%▲	10%
Norfolk						44%▲		
•••••								



▲ ▼ Change from previous month

August performance was similar to July.

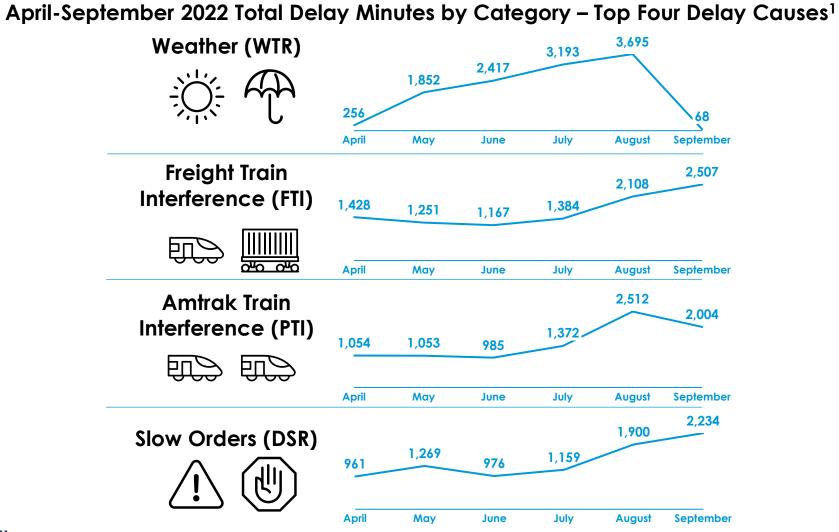
September 2022 Station OTP (OT≤15")

	Northbound			Southbound				
Station Name	80 Carolinian	Northeast Regional	90 Palmetto	92 Silver Star	79 Carolinian	Northeast Regional	89 Palmetto	91 Silver Star
Washington Union	53%▲	76%▲	86%▲	24%▲	93%▼	86%▲	97%▲	79%▲
Alexandria	53%▲	78%▲	54%▲	20%▲	73%▼	66%▲	85%▲	42%▲
Woodbridge		75%▲				67%▲		
Quantico	50%▲	78%▲			70%▼	54%▲		
Fredericksburg	50%▲	84%▲			73%▲	55%▲		
Ashland		84%▼				44% ▲		
Richmond Staples Mill Road	63%▲	89%▼	42%▼	20%▲	67%▼	52%▲	74%▼	33%▲
Richmond Main Street		75%▲				60%▲		
Williamsburg		88%▼				65%▲		
Newport News						70%▲		
Petersburg	43%▲	93%▲	38%▲	24%▲	63%▲	55%▲	74%▼	21%▲
Norfolk						64%▲		
	▲ ▼Change f	rom previous	month					



Heat Orders subsided in September.

Amtrak Top Delay Trends – April-September 2022





(1) Does not include NOD delays

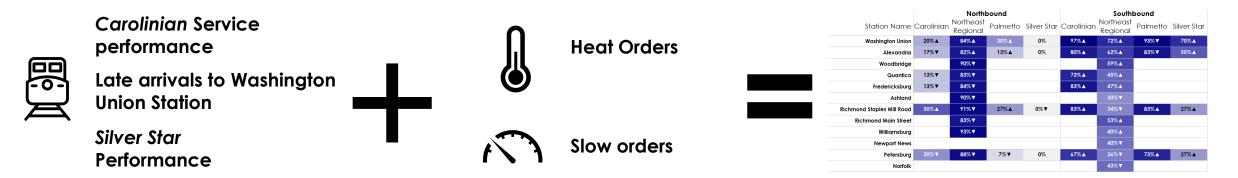
Challenges in Virginia to Achieve Higher OTP

On time performance can only be achieved when trains originate on time and maintain speeds consistent with the underlying service plan

Trains arrive VA in unplanned slots

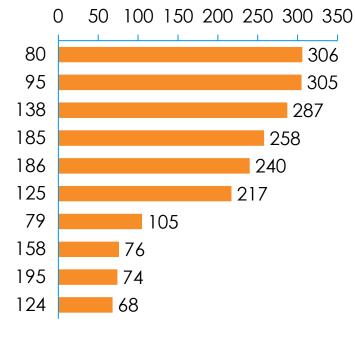
Trains operate at slower than planned speeds

Fluid operating conditions difficult to dispatch, OTP suffers

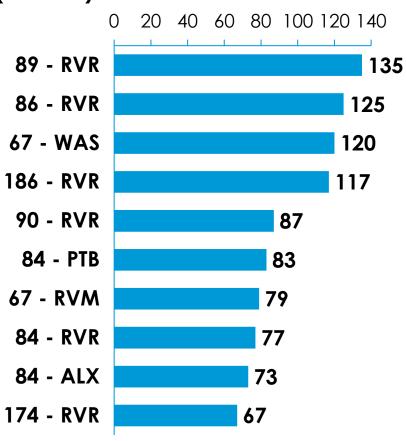


Some trains minimally affected by heat orders continue to have high NOD, especially at RVR

Trains with most total minutes of heat-related delays in August¹ (60+ min)



Trains and Stations with Highest NOD (60+ min)





(1) Includes data from Aug 1-31

Next Steps

- Continue to collaborate on performance trends
- Deep-dive review of No Delay
- Discuss Heat Orders with Amtrak and CSX
- Review Station Dwell Time performance
- Begin 6 month review of Acquisition Schedules (July October)
- Present to Amtrak Board

