



**Massachusetts Bay
Transportation Authority**

Commuter Rail Performance Update

Joint Meeting of the MassDOT Board & Fiscal and
Management Control Board

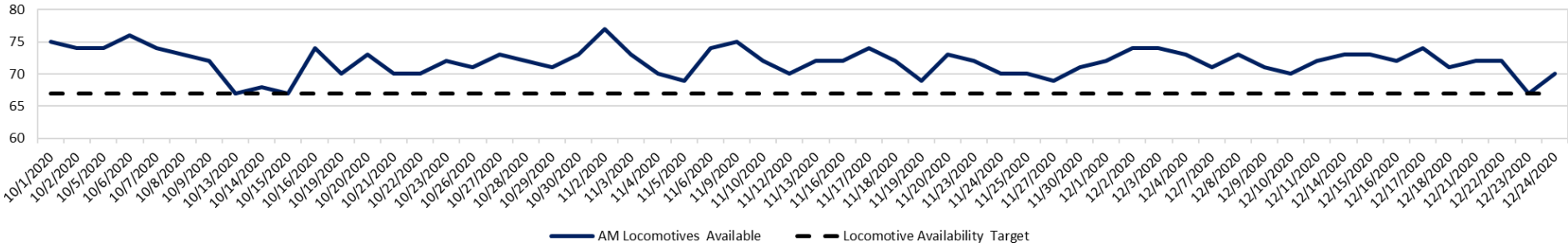
January 11, 2021

Rob DiAdamo

Equipment Availability

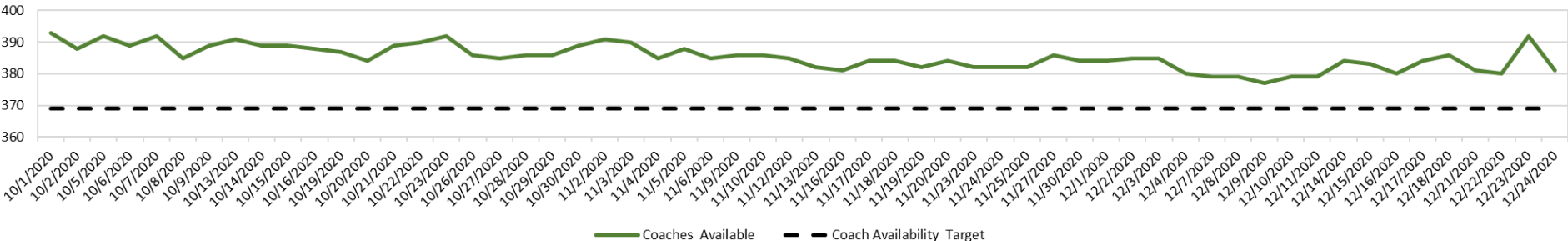
Target: 67 Locomotives Available

Locomotive Availability (last 12 weeks)

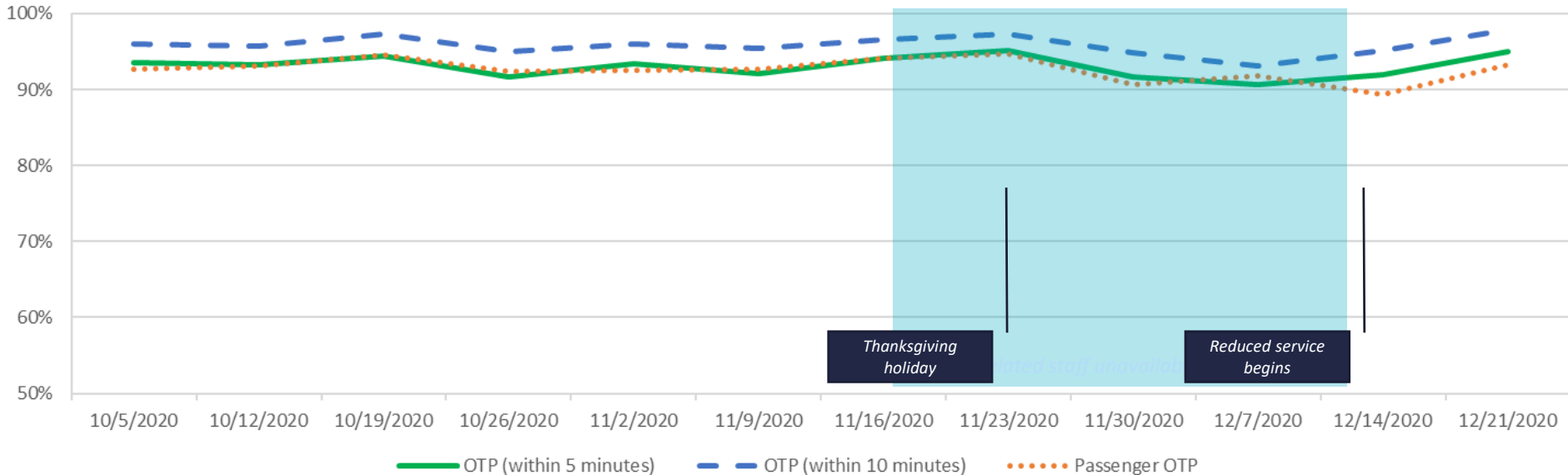


Target: 369 Coaches Available

Coach Availability (last 12 weeks)

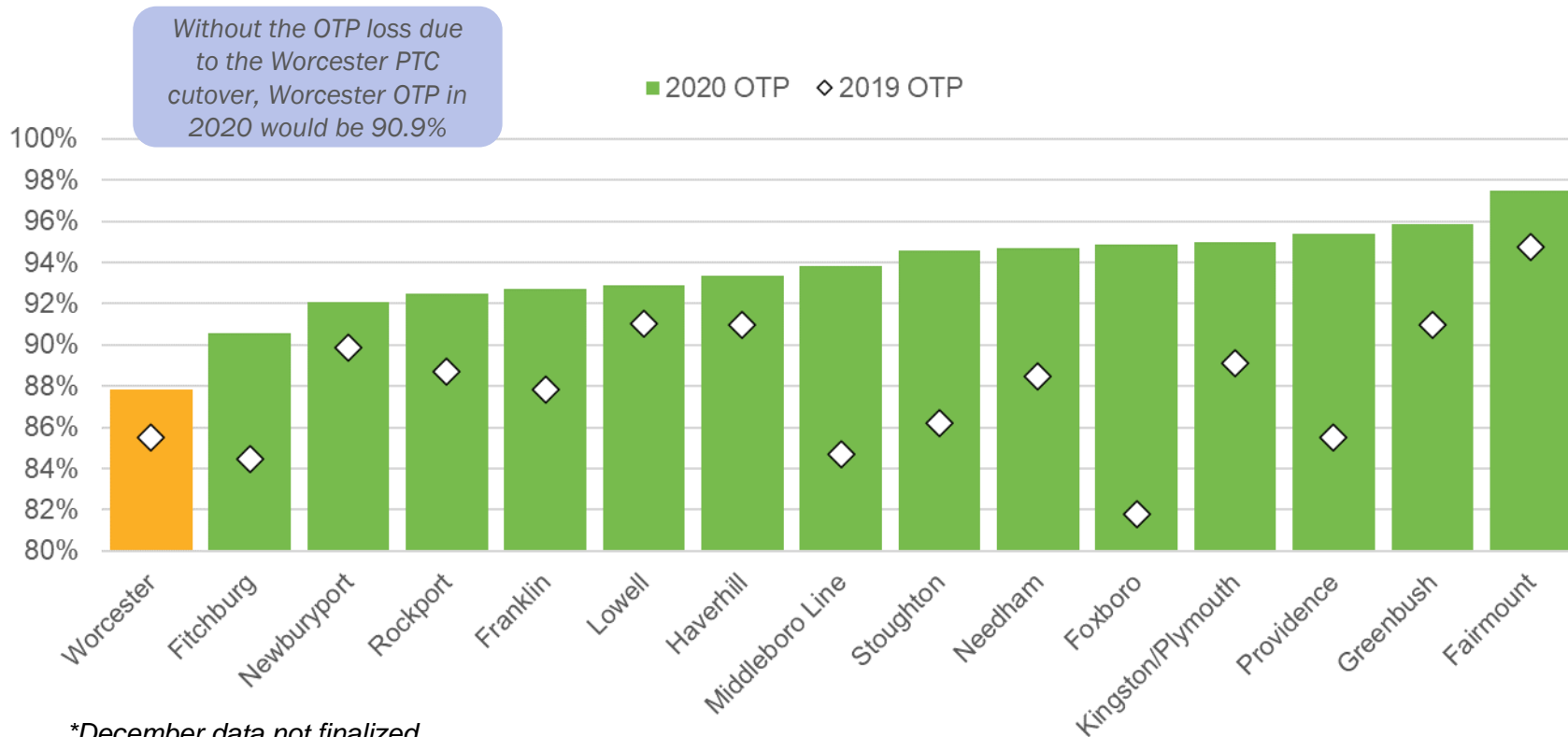


On Time Performance by Week



On Time Performance by Line

All lines above 2019 OTP for 2020 YTD



On Time Performance Within 5 Minutes

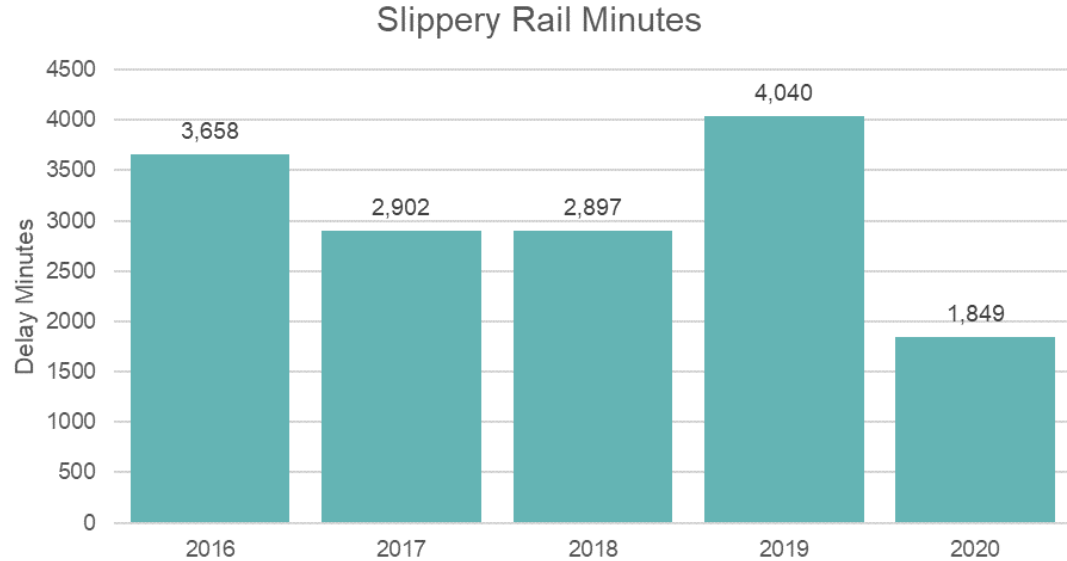
	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020	November 2020	December 2020	Trailing Year Average
Fairmount	97.7%	97.4%	97.8%	97.7%	95.5%	95.3%	98.9%	98.6%	97.4%	96.1%	98.7%	98.7%	97.5%
Fitchburg	90.1%	90.4%	95.2%	96.8%	93.4%	92.3%	92.4%	93.5%	93.5%	85.2%	82.1%	87.4%	90.5%
Foxboro	90.7%	95.3%	95.1%	96.6%	93.8%	90.0%	95.2%	97.6%	96.2%	96.6%			94.9%
Franklin	87.4%	92.1%	95.0%	97.0%	95.8%	91.0%	93.5%	92.1%	90.5%	93.1%	93.3%	94.2%	92.7%
Greenbush	95.8%	96.6%	97.5%	97.5%	98.8%	96.4%	97.9%	95.1%	98.5%	93.0%	93.6%	90.7%	95.8%
Haverhill	93.9%	94.2%	93.9%	97.1%	95.4%	90.5%	91.4%	95.2%	94.0%	95.6%	91.3%	88.2%	93.4%
Kingston/Plymouth	90.9%	95.6%	95.5%	97.9%	97.4%	94.0%	97.5%	95.7%	97.0%	91.9%	94.8%	92.6%	95.0%
Lowell	92.5%	93.3%	93.7%	98.2%	97.1%	94.7%	92.2%	97.5%	94.9%	91.0%	90.2%	83.5%	92.9%
Middleboro	91.7%	94.3%	94.1%	96.9%	96.3%	91.1%	94.7%	93.1%	98.3%	91.9%	92.4%	92.1%	93.8%
Needham	85.7%	92.7%	94.0%	94.4%	98.2%	96.1%	97.1%	96.7%	97.1%	94.3%	95.4%	97.0%	94.7%
Newburyport	84.9%	90.3%	92.1%	97.8%	92.7%	90.3%	93.7%	93.3%	94.4%	94.2%	95.4%	88.9%	92.1%
Providence	93.0%	92.3%	94.9%	98.4%	96.1%	93.9%	96.6%	95.2%	95.9%	96.4%	97.8%	95.2%	95.4%
Rockport	85.1%	89.3%	89.5%	93.6%	95.6%	90.0%	94.7%	96.3%	94.1%	93.9%	94.7%	94.7%	92.5%
Stoughton	88.8%	93.8%	90.1%	98.9%	87.5%	97.0%	97.1%	95.6%	97.9%	96.0%	95.9%	95.1%	94.6%
Worcester	85.8%	92.0%	94.6%	94.9%	96.7%	58.6%	69.5%	90.0%	93.6%	92.1%	92.2%	91.4%	87.8%
Grand Total	90.2%	93.1%	94.4%	96.9%	96.0%	90.1%	92.8%	94.9%	95.3%	93.3%	93.4%	92.2%	93.4%

On Time Performance Within 10 Minutes

	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020	November 2020	December 2020	Trailing Year Average
Fairmount	98.5%	99.5%	99.1%	98.6%	97.6%	97.4%	99.4%	99.4%	98.4%	97.6%	99.2%	99.5%	98.7%
Fitchburg	94.4%	95.4%	97.0%	98.0%	94.9%	95.2%	95.7%	95.7%	95.4%	89.6%	87.2%	91.3%	93.9%
Foxboro	96.8%	98.4%	97.7%	96.6%	96.3%	94.0%	97.5%	99.0%	97.1%	98.0%			97.5%
Franklin	93.1%	97.8%	98.3%	99.1%	96.7%	96.1%	95.9%	94.9%	95.0%	96.5%	96.6%	96.2%	96.2%
Greenbush	97.8%	98.1%	98.8%	97.9%	99.0%	98.0%	98.8%	96.8%	99.5%	95.2%	95.9%	93.1%	97.4%
Haverhill	98.7%	96.8%	97.6%	98.7%	96.9%	95.7%	94.5%	97.9%	96.7%	97.9%	95.1%	93.0%	96.7%
Kingston/Plymouth	95.8%	97.7%	97.7%	98.7%	98.3%	95.1%	98.2%	98.1%	97.9%	94.1%	96.7%	93.7%	96.8%
Lowell	97.4%	97.8%	97.7%	99.0%	98.3%	96.6%	95.8%	99.1%	97.5%	95.6%	94.6%	87.2%	96.3%
Middleboro	94.9%	97.2%	98.2%	97.9%	97.8%	94.6%	97.1%	96.3%	99.3%	95.1%	96.6%	94.9%	96.6%
Needham	94.1%	97.9%	97.1%	97.2%	99.8%	98.0%	99.1%	97.8%	98.1%	97.1%	97.1%	98.8%	97.6%
Newburyport	91.4%	95.6%	97.2%	99.0%	95.4%	94.5%	96.9%	96.5%	97.0%	96.7%	96.8%	93.7%	95.7%
Providence	96.9%	96.8%	96.8%	99.0%	97.1%	95.4%	98.3%	96.6%	96.7%	98.1%	98.7%	97.3%	97.3%
Rockport	91.6%	93.5%	94.6%	96.7%	97.9%	93.4%	96.9%	98.2%	97.2%	96.1%	96.2%	95.8%	95.6%
Stoughton	94.2%	98.1%	96.3%	100.0%	88.8%	97.9%	97.6%	98.3%	99.2%	98.4%	98.3%	97.2%	97.4%
Worcester	92.2%	95.8%	96.8%	97.1%	98.8%	60.4%	70.5%	94.1%	96.7%	95.7%	95.8%	96.6%	91.3%
Grand Total	95.2%	97.0%	97.4%	98.2%	97.5%	92.8%	94.8%	97.2%	97.3%	96.1%	96.1%	95.0%	96.2%

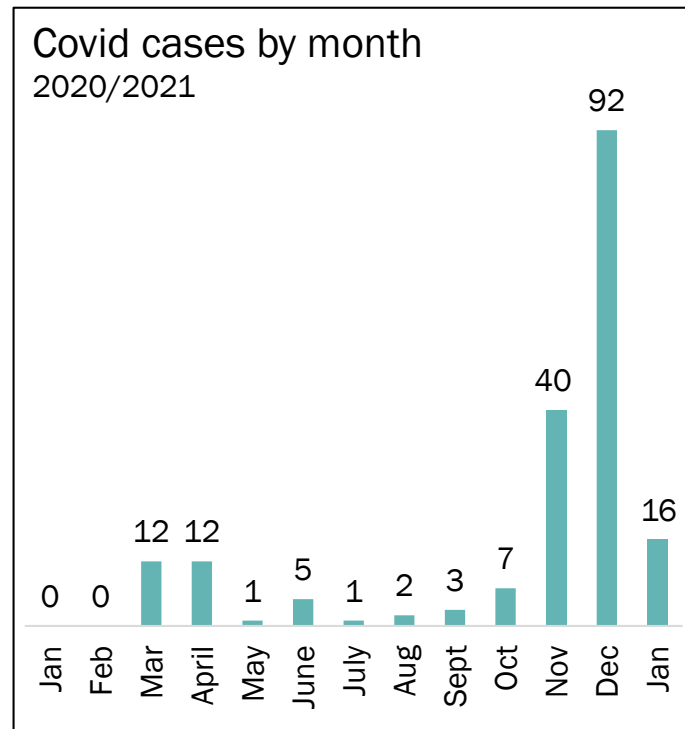
Slippery Rail Season Update

- 2020 saw the **best slippery rail season on record**, with **about half of the average delay minutes** across the previous three seasons.
- The successful management of slippery rail led to the **best November OTP** in contract despite delivering a higher frequency of service, closing at **93.4%** vs. the next highest November OTP of **87.3%** in 2017.
- The successful season can be attributed to increased and more strategic usage of the wash trains, a stronger focus on using newly available wheel slip data to drive decisions, and improvements in cross-functional communication.



COVID-Driven Staffing Challenges

- COVID has driven staffing challenges, including within operationally critical departments.
- These staffing challenges resulted in some performance impacts, although OTP overall remained high and cancellations were generally averted.
- Staffing challenges eventually led to a reduced service level being introduced on December 14



Schedule Changes

- Following direction given at the December 14 FMCB meeting, amended service plans will take effect on January 23.
- The amended schedules will provide more than 50% of weekday service levels from the same time last year. Current ridership levels are approximately 10%.
- The new Winter Service Schedules will be available on MBTA.com on January 15.
- Plans for an amended weekday service schedule for implementation in early Spring 2021 are also in development, with the aim of providing a lower peak intensity but better all-day frequency than the pre-COVID schedule.



Winter Schedule Changes

- Additional weekday service to Lynn (3 add'l round-trips), Brockton (2 add'l round-trips), and Fairmount (3 add'l round-trips) will be implemented on January 25.
- Weekend service will run on 5 lines starting January 23:
 - **Newburyport:** Train hourly between Beverly and Boston, train every 120 minutes to Newburyport
 - **Fairmount:** Train every 90 minutes
 - **Worcester:** Train every 120 minutes
 - **Providence:** Train every 120 minutes
 - **Middleborough:** Train every 90 minutes

