

# **Quarterly Ridership Update**

**Third Quarter FY19** 

May 20, 2019

Draft for Discussion & Policy Purposes Only



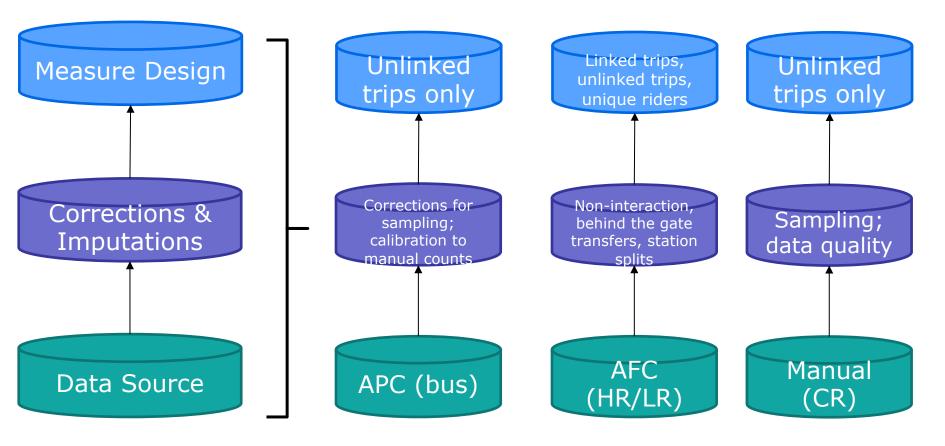
## **Overview**

- Background on ridership data
  - Data sources differ by mode: automated fare collection (AFC), automated passenger counters (APC), manual counts
  - Correction factors differ by mode and data source
- Aligning all ridership reporting
  - MBTAbackontrack dashboard
  - National Transit Database
  - Quarterly reports to FMCB
- Quarterly ridership data update
  - Ridership increases on bus and subway
- Ridership reporting going forward
  - Improvements to data sources and factors

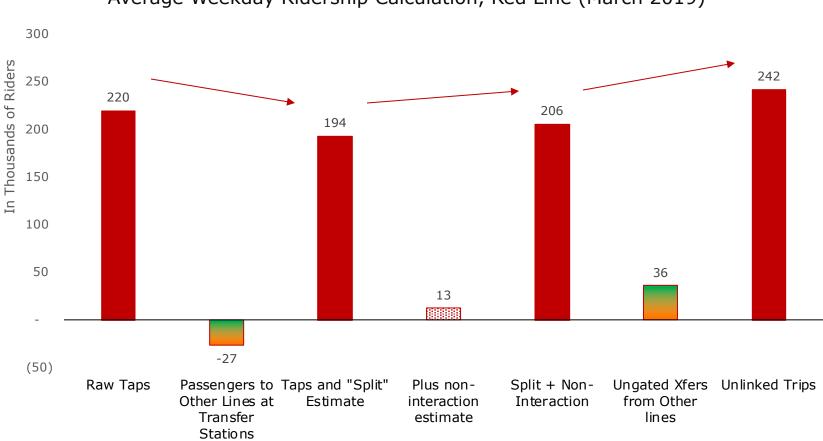


## **Ridership Estimation Review**

# How data becomes ridership depends on the source and mode



### **Ridership Estimation Example: Red Line**



#### Average Weekday Ridership Calculation, Red Line (March 2019)

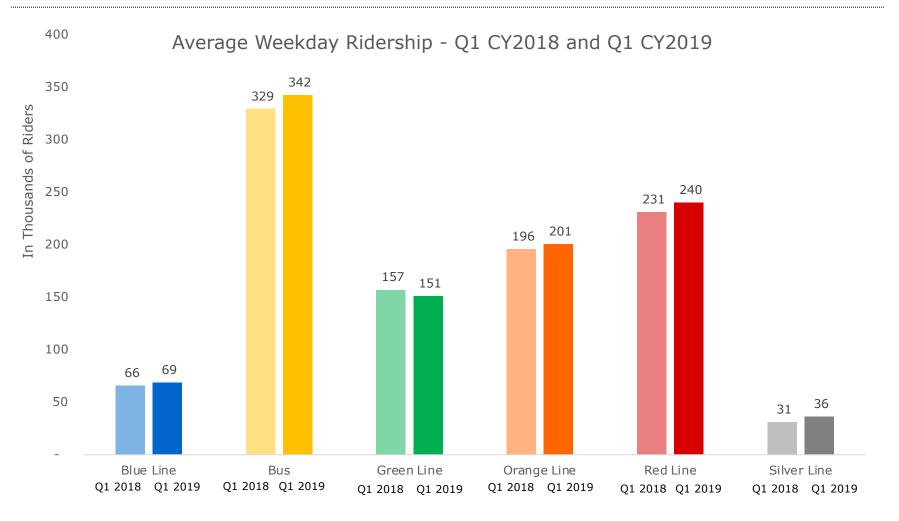


## Ridership on www.mbtabackontrack.com

- Reconciling all ridership data sources and scaling factors
- Ridership on the <u>www.mbtabackontrack.com</u> dashboard will be updated with consistent and stable annual scaling factors for missing data, non-interaction, station splits, and behind the gate transfers.
- Dashboard ridership numbers will be reported monthly and available back to January 2016. The updates will be on a onemonth lag (June data will be available August 1).
- Underlying data is consistent with data reported to National Transit Database, and summarized as average weekday unlinked trips.

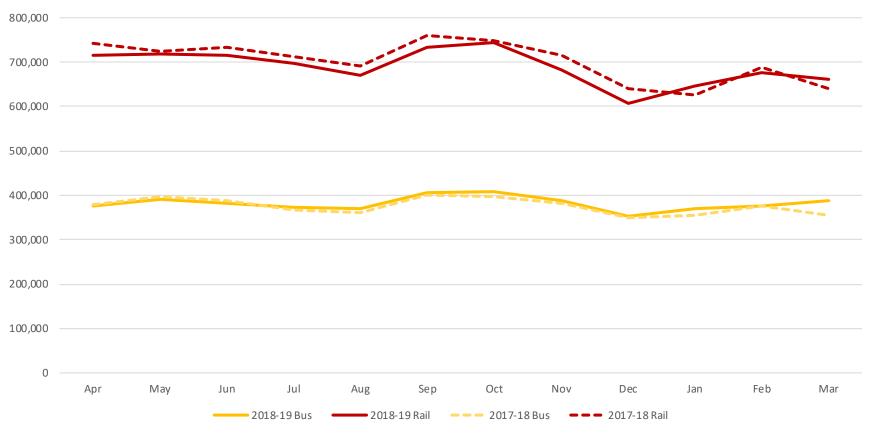


## Quarterly Update: Q1 CY2019 vs Q1 CY2018





## Year-Over-Year Comparison



Average Weekday Ridership, By Month, Year-over-Year

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## **Ridership Estimates in the Future**

**Long-term**: Shift all modes to APC in order to more directly measure ridership

- Green Line new cars will be equipped with APCs; preliminary data collection in progress
- Orange/Red Line new cars will be equipped with APCs
- Commuter Rail APCs being installed

When the switch from AFC to APC happens, there will be a methodological break in ridership estimation.

**Short-term:** Improvements to source data and factors

- Improve underlying AFC data for the AFC-based estimates
- Improve corrective factor methodology
  - Use updated factors for FY2019 National Transit Database submission