

# Fare Media Sales-Based Ridership Model

TOPS PRESENTATION

12/20/2023



# Ridership Estimation

- Without fare gates or automated passenger counters (APCs), Caltrain does not collect real-time data on the number of passengers it carries
- Data on individual trips are not available for some ticket types and methods of paying for fares ("Fare Media")
- Ridership is a key metric for service planning, fulfilling reporting obligations, and financial analysis
- Annual Ridership Reports:
  - Annual Passenger Count (discontinued when pandemic began)
  - National Transit Database
- Monthly Ridership Reports:
  - Fare media sales-based estimates

# Monthly Ridership Data Timeline

2019:

- *Previous Fare Media Sales-Based Model*
  - Fare media sales data calibrated with Annual Count and Triennial Survey data

2020-2023:

- *Temporary Estimation Methodology*
  - Combined limited conductor counts and Clipper usage data

2024:

- *New Fare Media Sales-Based Model*
  - Uses fare media sales data and simple, data-informed assumptions

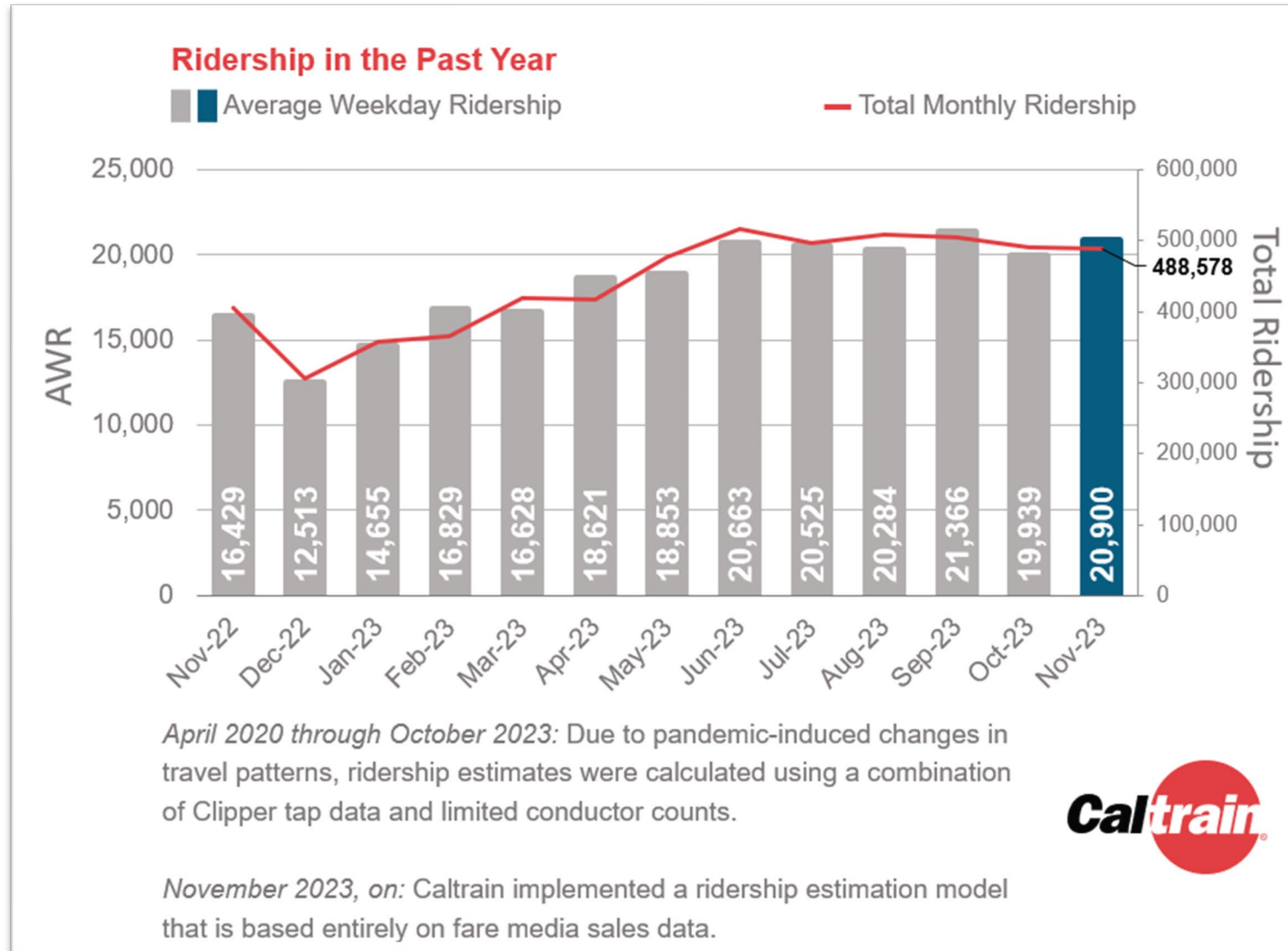
2025:

- *New Fare Media Sales-Based Model*
- *EMU APC Counts*
  - Gilroy segment ridership counted by conductors

# New Fare Media-Based Estimation Model

- Automated data collection & cleaning reduces data entry errors
- Significant reduction in workload for conductors, as well as TASI and Caltrain staff
- New model went into effect in November 2023, but was not retroactively applied to previous months
- Staff are currently developing ridership dashboards using the new model, to be posted on the Caltrain website

# Recent Ridership Reporting from ED Report



FOR MORE INFORMATION

[WWW.CALTRAIN.COM](http://WWW.CALTRAIN.COM)

