

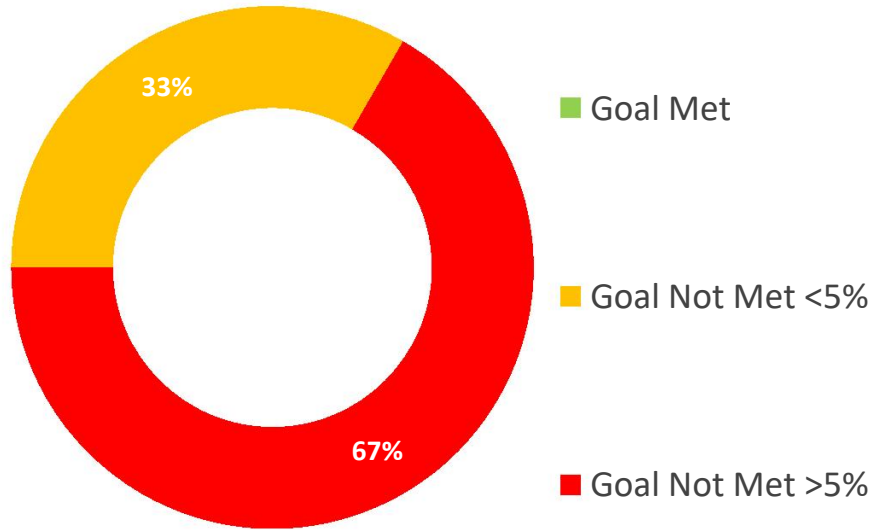


Quarterly Service Performance Review 4th Quarter, FY24 (April – June 2024)

Engineering & Operations Committee
August 15, 2024



Summary – Service Delivery



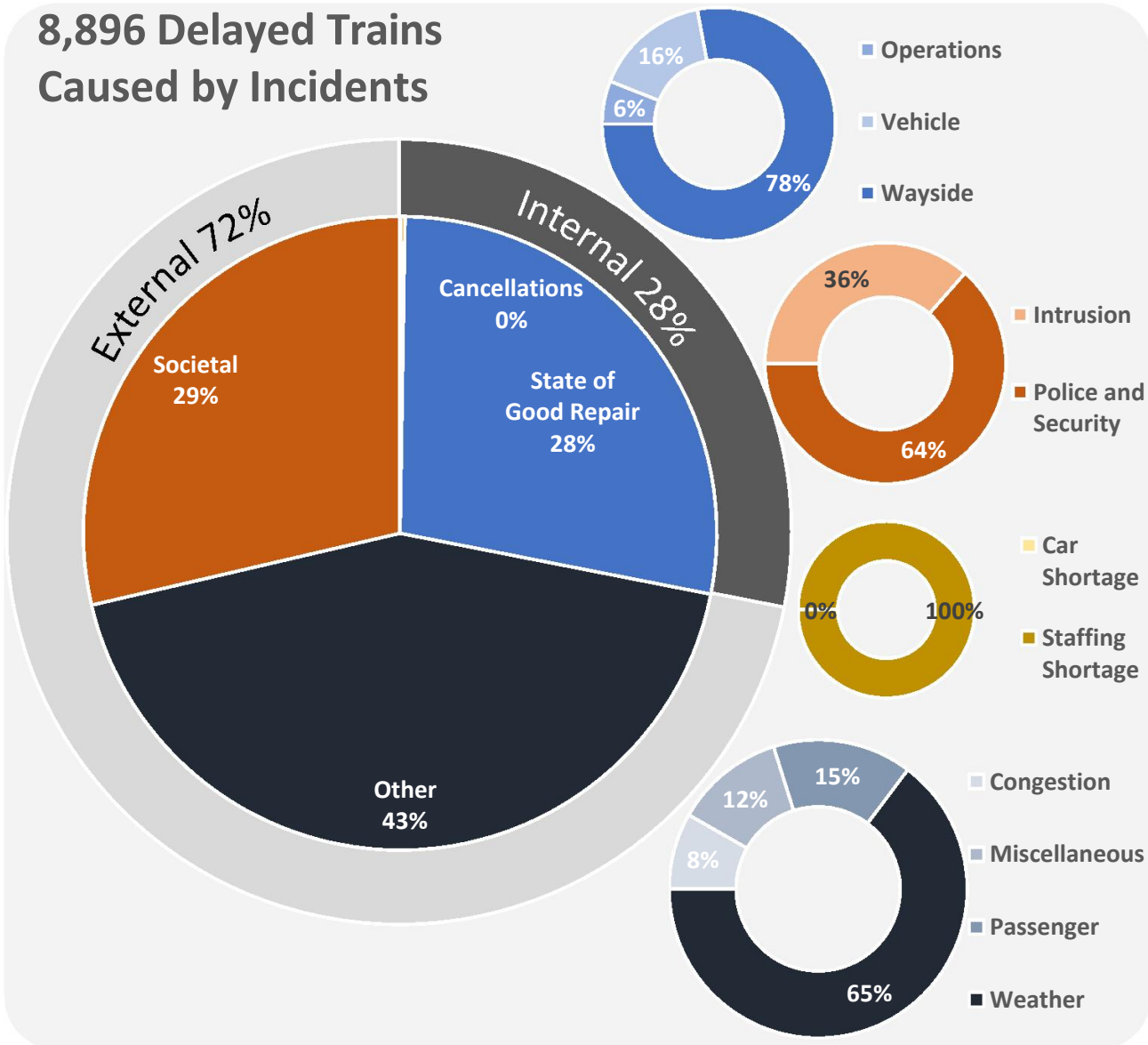
Metric	FY24 Q4	Goal	% Change from FY24 Q3	
<i>All-Day</i>				
Weekday - Average Ridership	165,455	179,128	4.20%	▲
Trains On-Time - Daily	85.7%	91.0%	38.55%	▲
Customers On-Time - Daily	93.8%	94.0%	8.85%	▲
<i>Peak</i>				
Trains On-Time - Peak	88.4%		39.76%	▲
Customers On-Time - Peak	94.0%		9.40%	▲

▼ Gray arrows represent change from the previous quarter for metrics which do not have an established goal

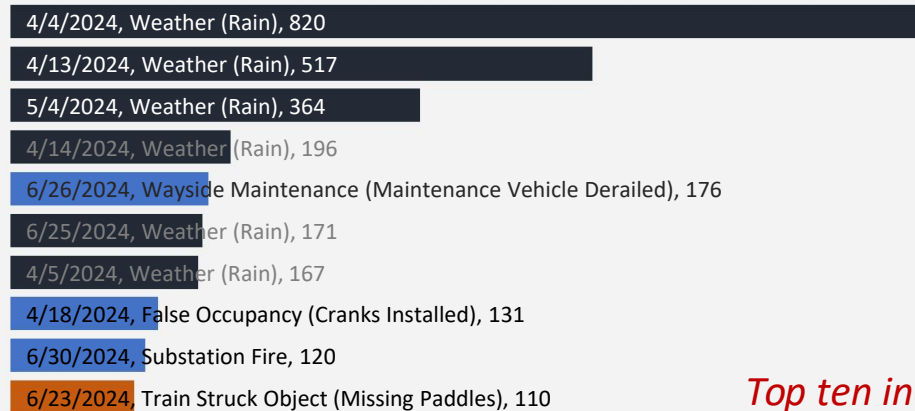
Service Delivery – Delay Incident Detail



8,896 Delayed Trains Caused by Incidents



Trains Delayed - Top Ten Single Incidents



Top ten incidents = 31.2% of delayed trains

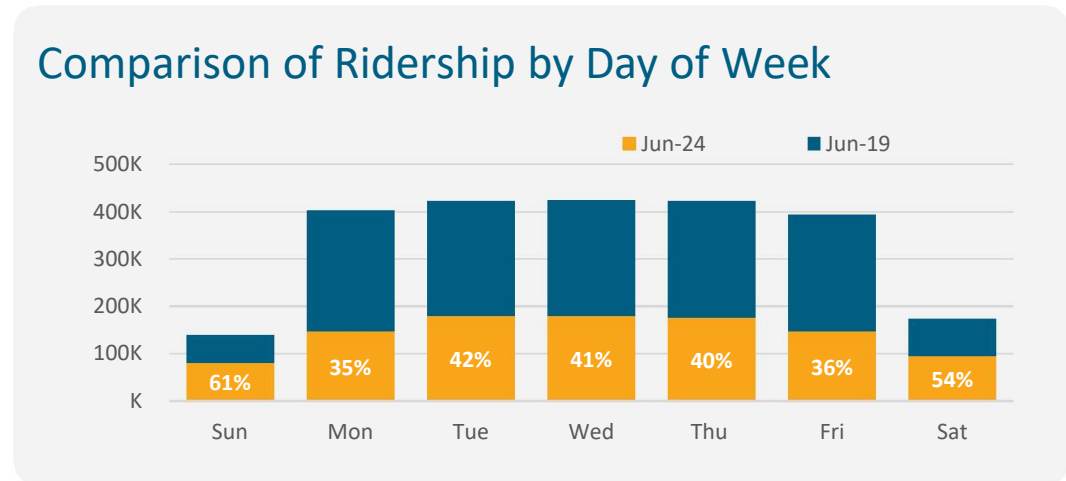
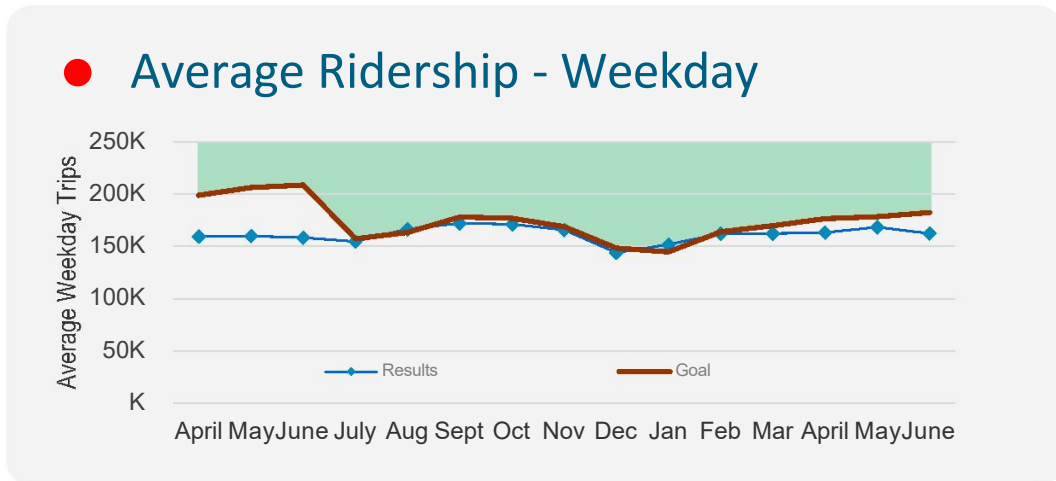
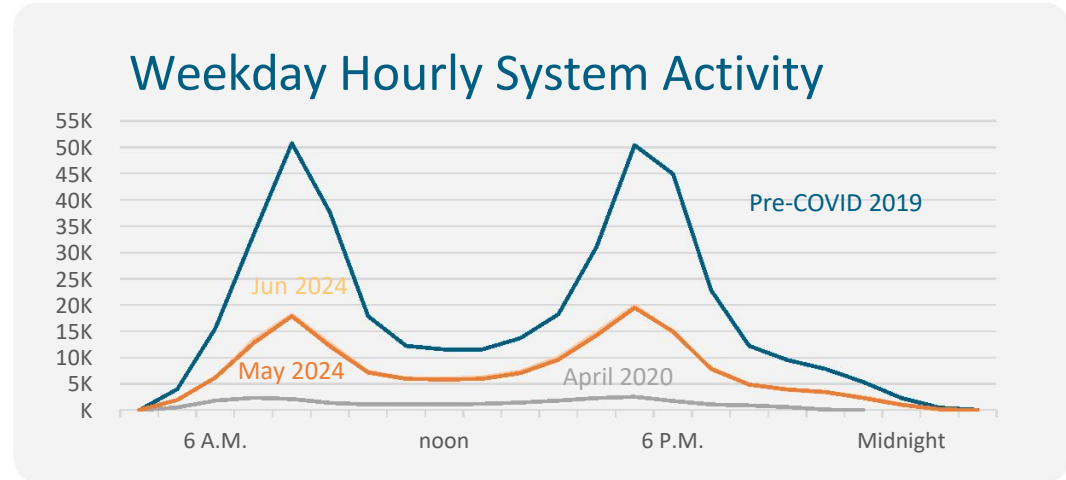
Trains Delayed by Month



Capacity – Ridership



- Total Ridership up 3.7% over last year.
- Average weekday ridership up 3.9% over last year.
- Saturday ridership up 3.9% over last year.
- Sunday ridership up 6.4% over last year.



Capacity – Dispatches Operated

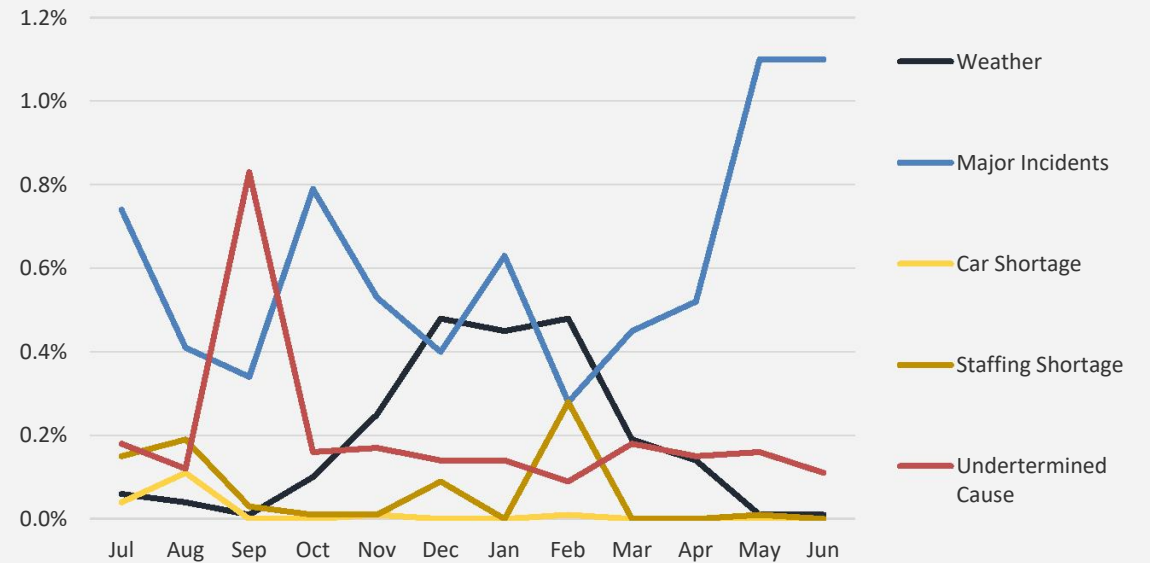


- Cancellations remain at about 1% of trains missing dispatch from origin

Scheduled Runs Dispatched from Origin



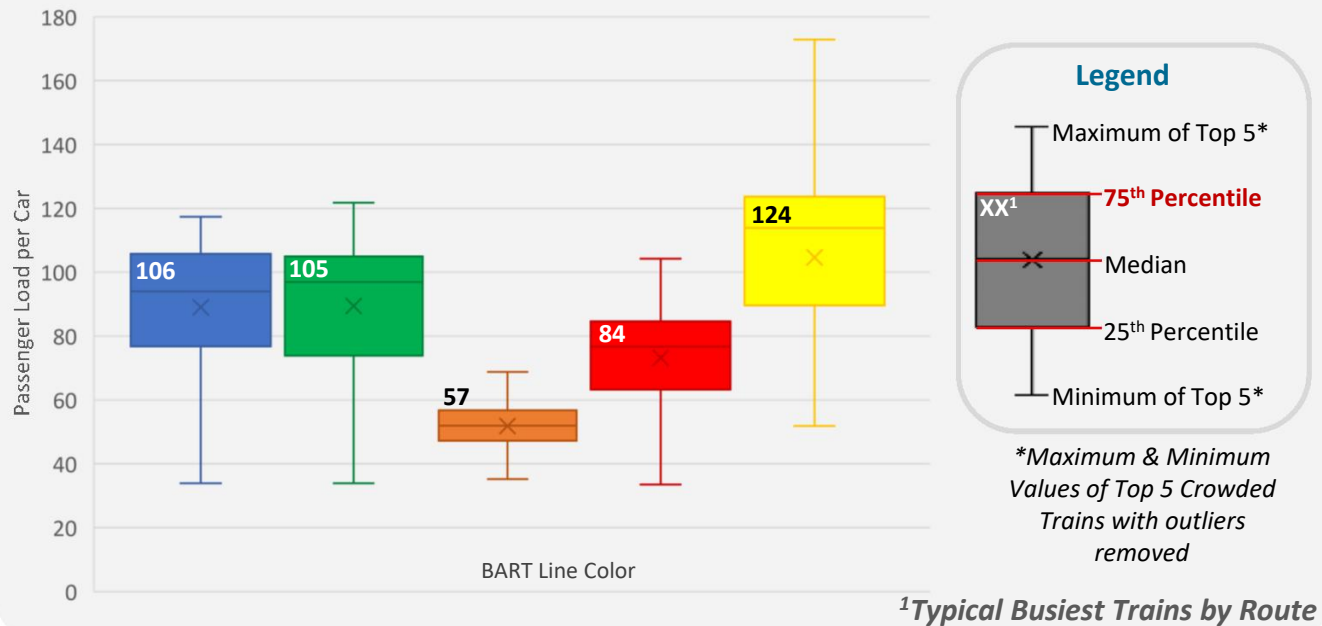
% of Scheduled Dispatches Missed by Cause



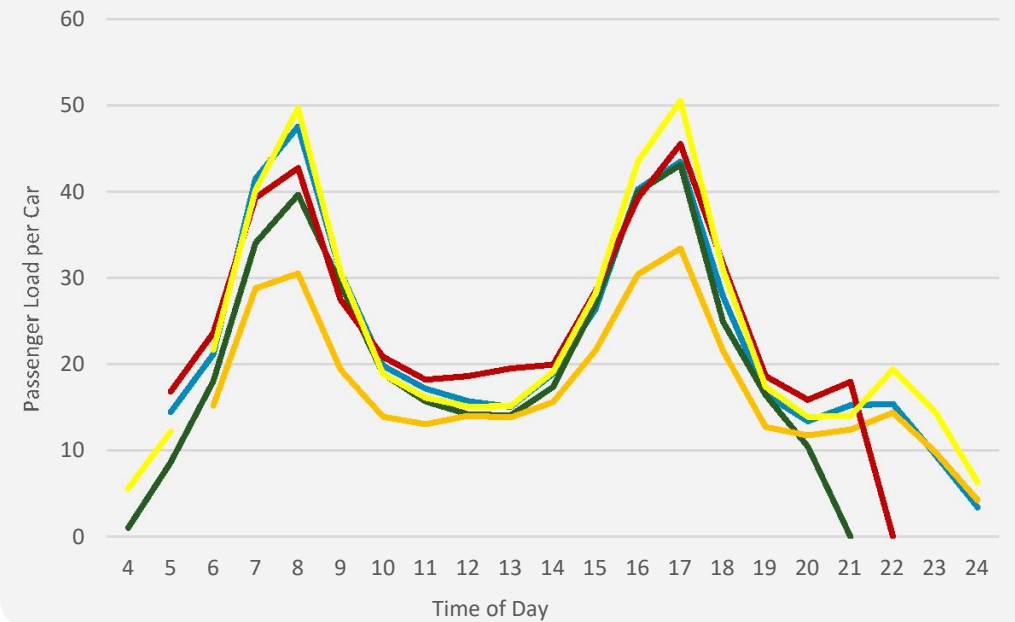
Capacity – Passenger Loading



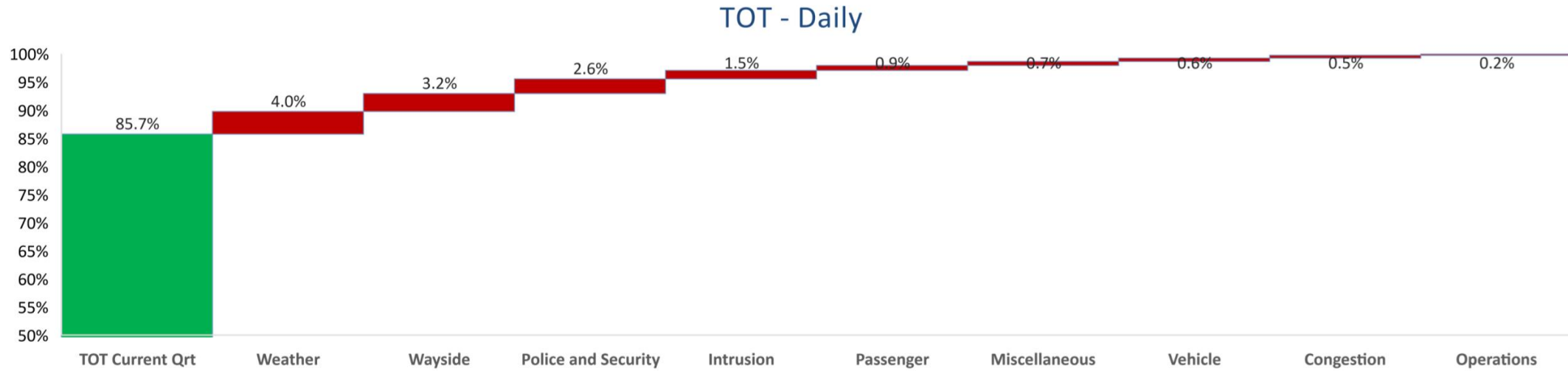
Passenger Load per Car for Top 5 Crowded Weekday Trains



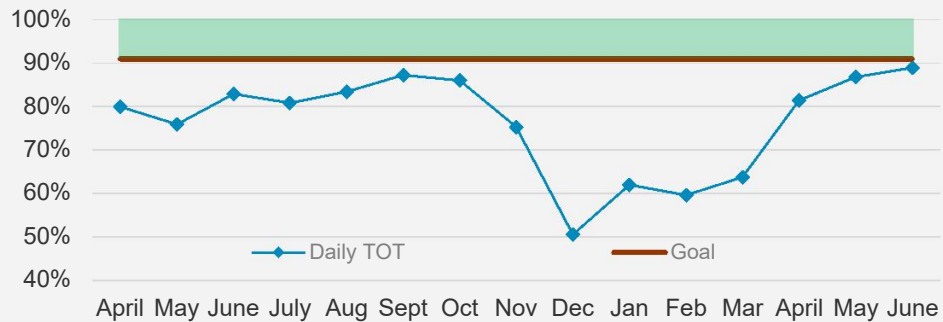
Average Hourly Weekday Passenger Load per Car by Line



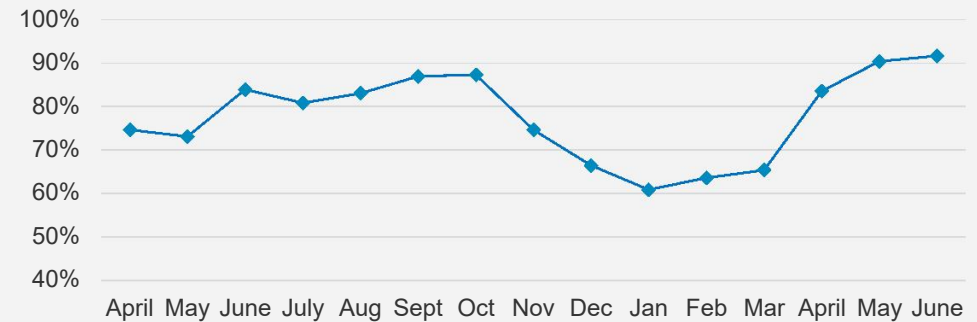
Punctuality – Trains On-Time



● Trains On-Time - Daily



Trains On-Time - Peak

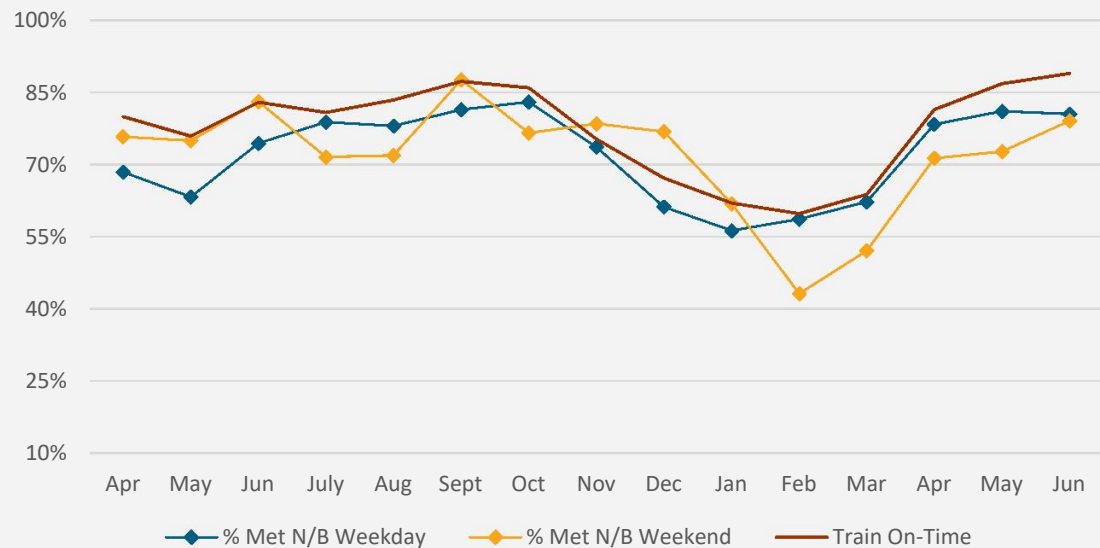


Punctuality – Timed Train Meets

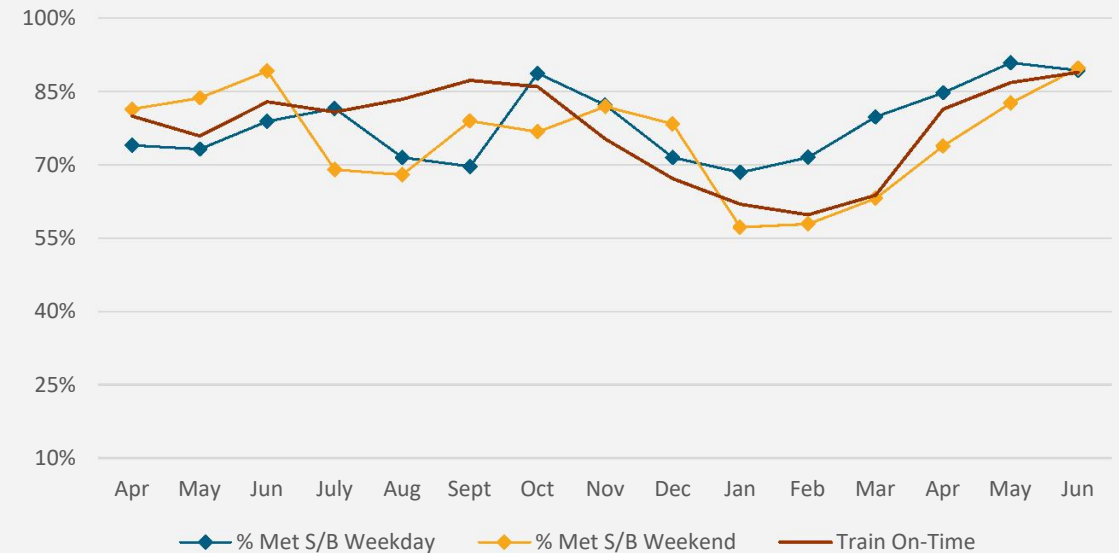


- A meet is considered successful when there is at least 20 seconds of overlap time for both trains at the timed transfer point
- Timed Train Meets on the K-Line between the Yellow and Orange lines occur as follows

Northbound Meets at 19th Street



Southbound Meets at MacArthur

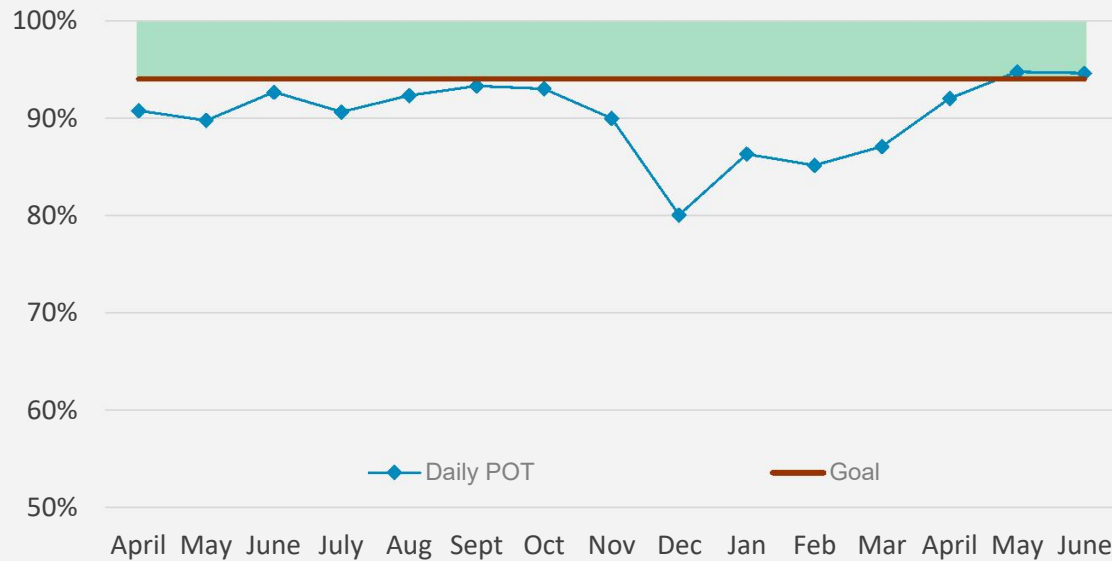


Punctuality – Customer On-Time

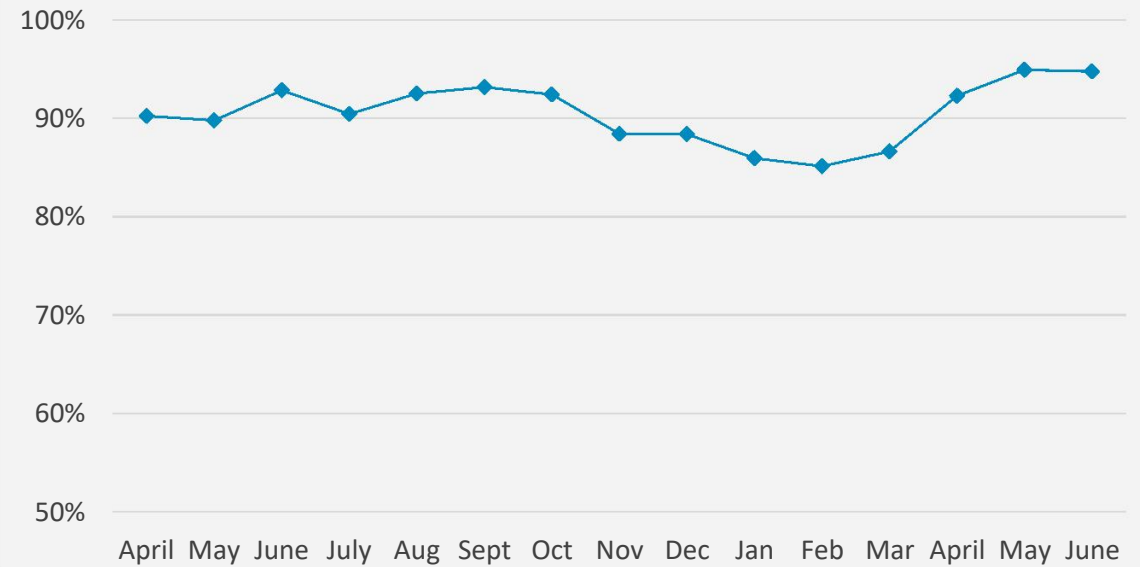


- Customer On-Time was 93.8% for the quarter

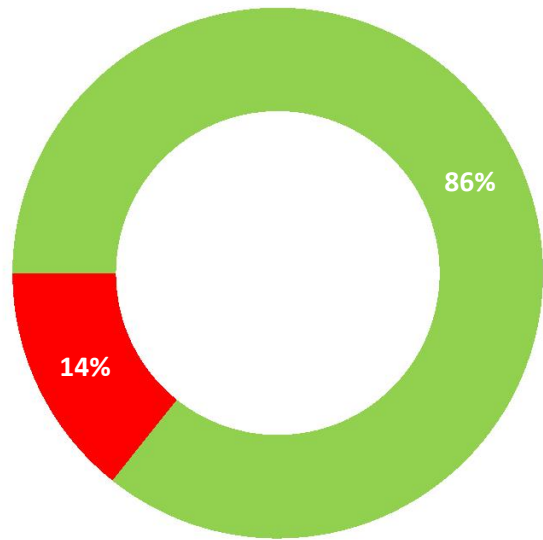
Customer On-Time - Daily



Customer On-Time - Peak



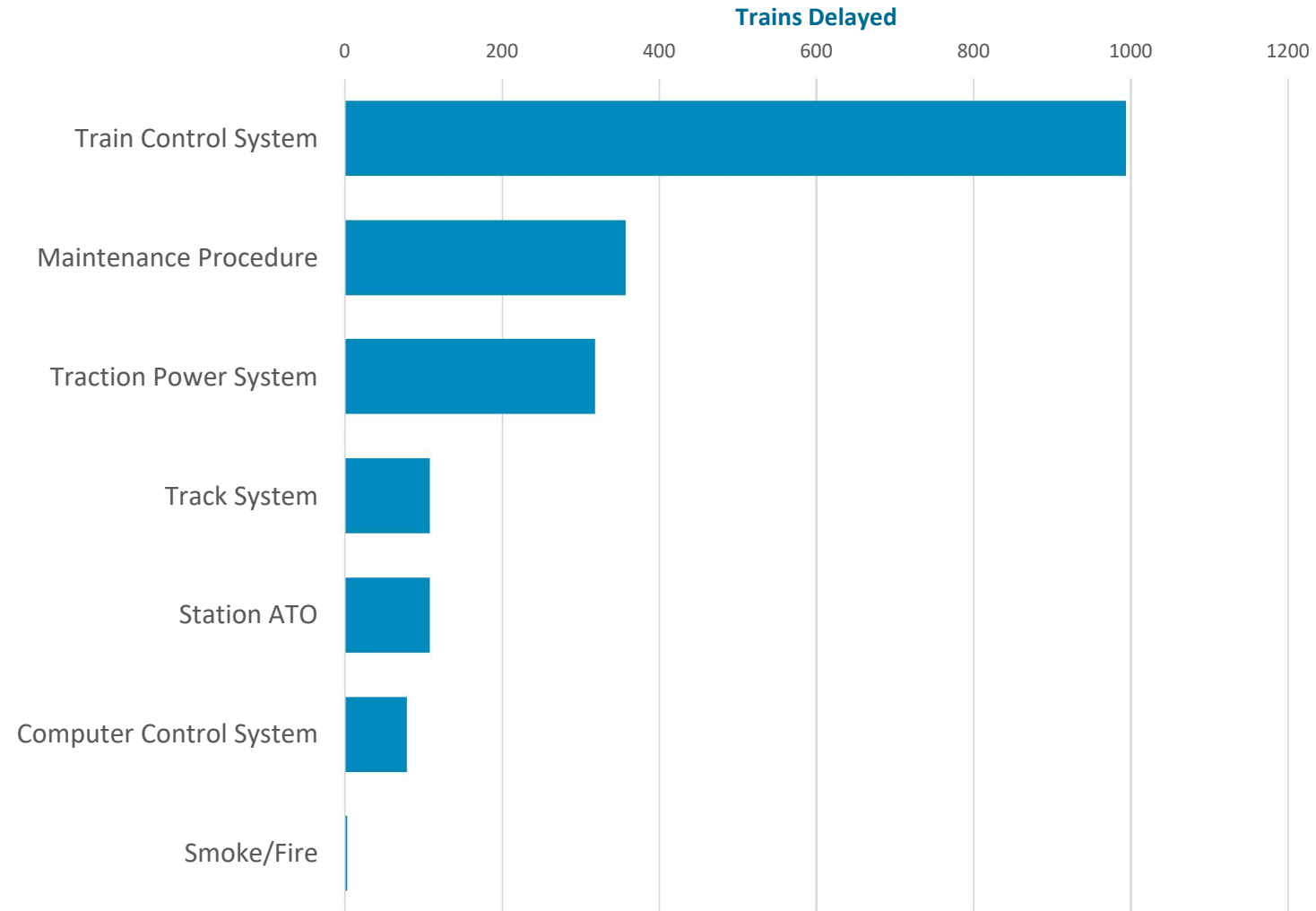
Summary – Railway Asset Availability



- Goal Met
- Goal Not Met >5%

Metric	FY24 Q4	Goal	% Change from FY24 Q3	
<i>Wayside Equipment</i>				
Track	0.20	0.30	61.18%	▲
Traction Power	0.59	1.00	(48.41%)	▼
Wayside Train Control System	1.85	1.30	(46.31%)	▼
Computer Control System	0.15	0.30	31.64%	▲
Transportation	0.28	0.50	18.39%	▲
<i>Revenue Vehicle</i>				
Vehicle MTBSD - (Hours)	11524	9600	6.17%	▲
4 AM - Car Availability	596	445	12.68%	▲
DMU - MDBF (Miles)	15182	28000	(48.94%)	▼
<i>Station Equipment</i>				
Elevators in Service - Station	99.4%	98.0%	0.04%	▲
Elevators in Service - Garage	99.7%	97.0%	(0.23%)	▼
Escalators in Service - Street	94.4%	93.0%	0.42%	▲
Escalators in Service - Platform	97.3%	96.0%	0.40%	▲
Automatic Fare Collection - Gates	99.8%	98.0%	0.13%	▲
Automatic Fare Collection - Vendors	99.4%	95.0%	0.23%	▲

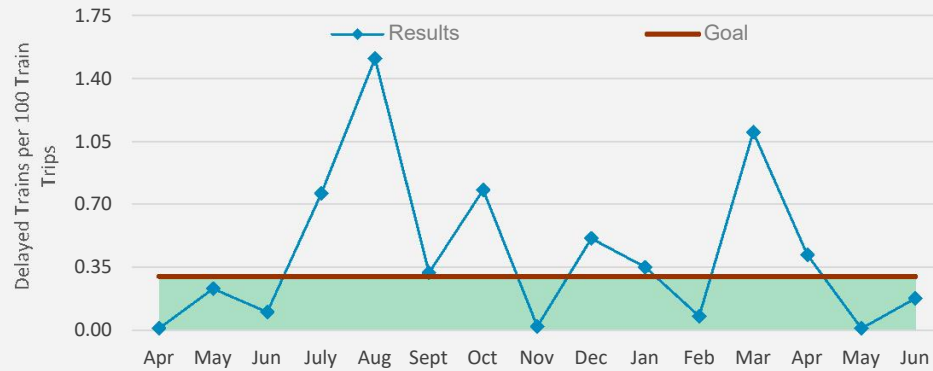
Wayside Asset Availability – Detail



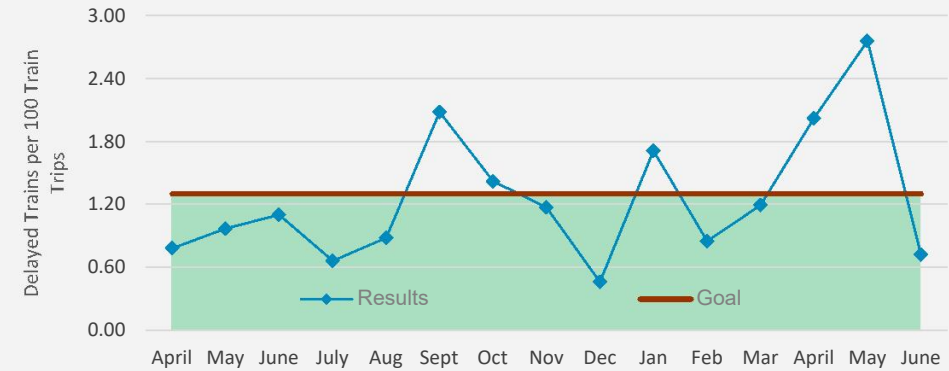
Wayside Equipment – Delayed Trains by System



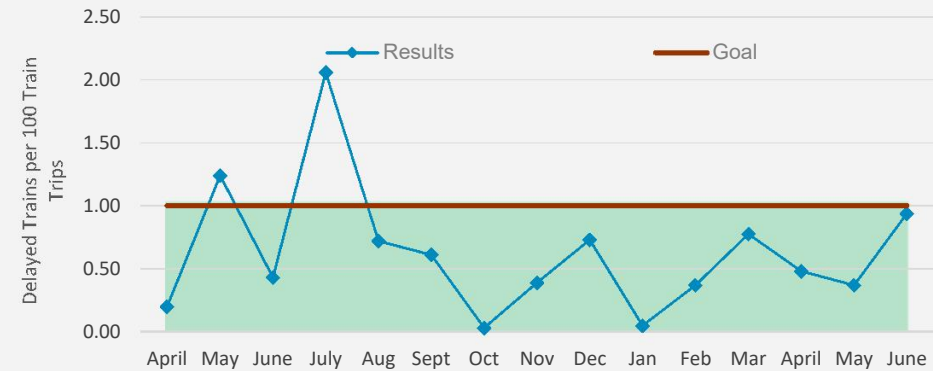
Track System



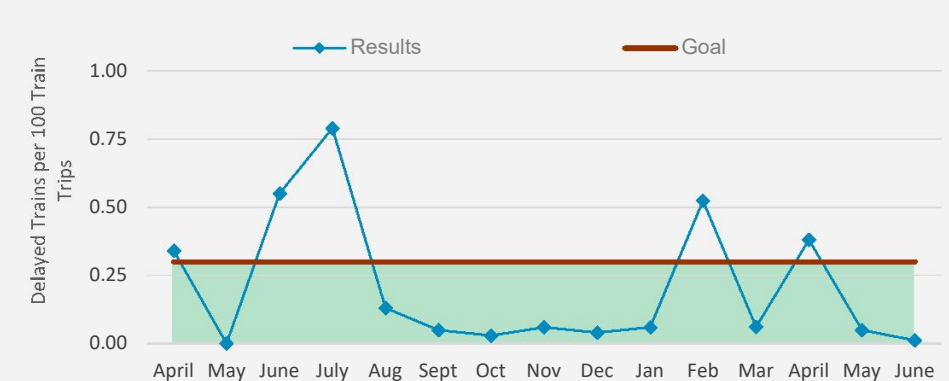
Wayside Train Control System



Traction Power System



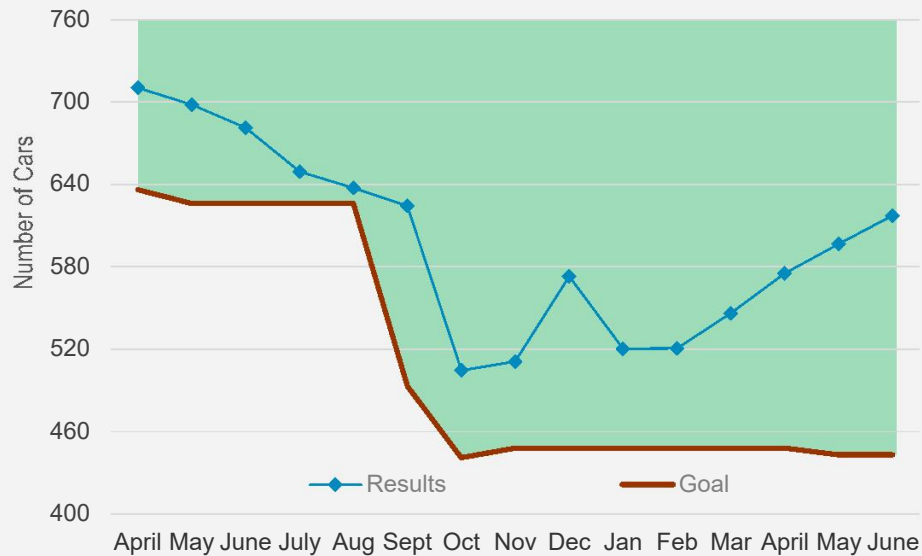
Wayside Computer Control System



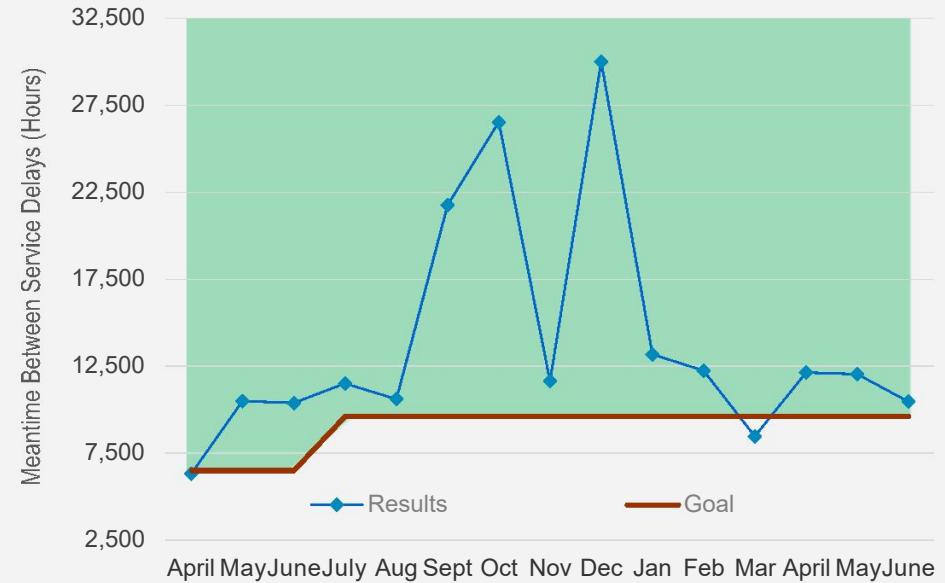
Revenue Fleet – Reliability



● Car Availability at 4 AM



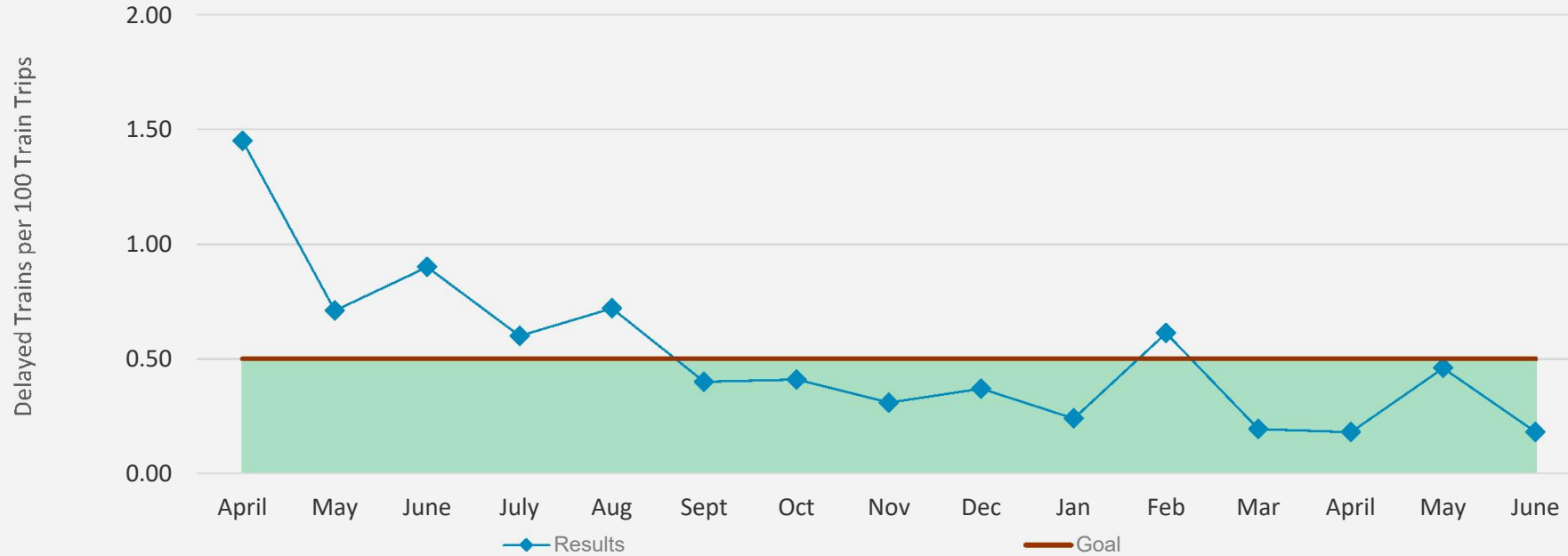
● Mean Time Between Service Delays



LEGACY



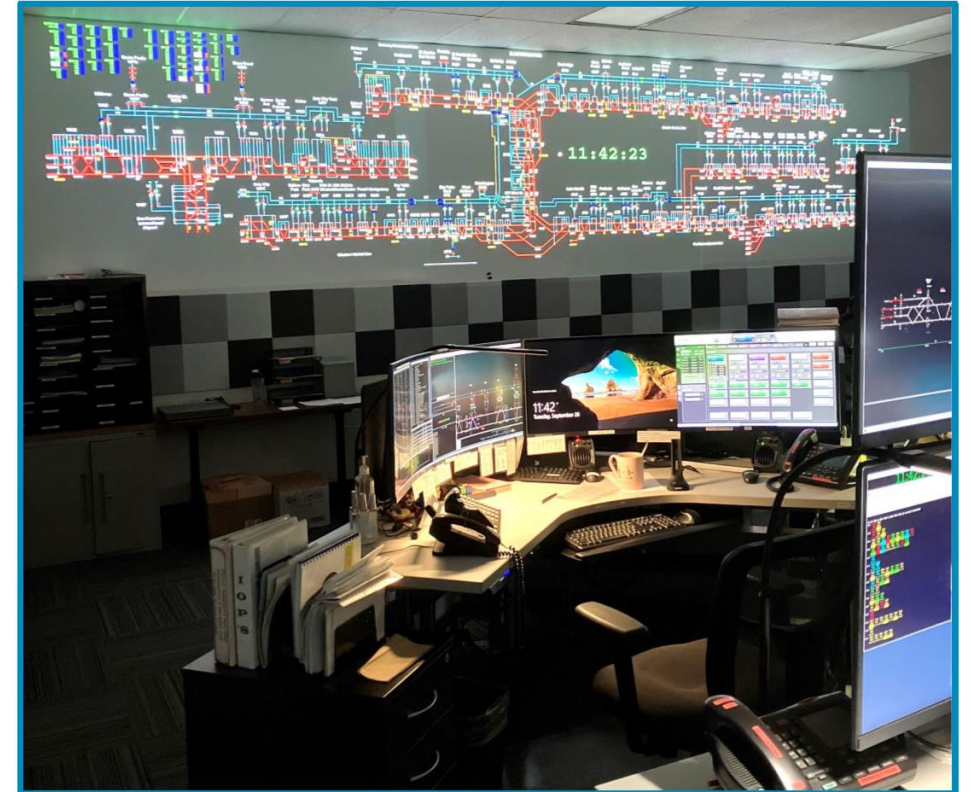
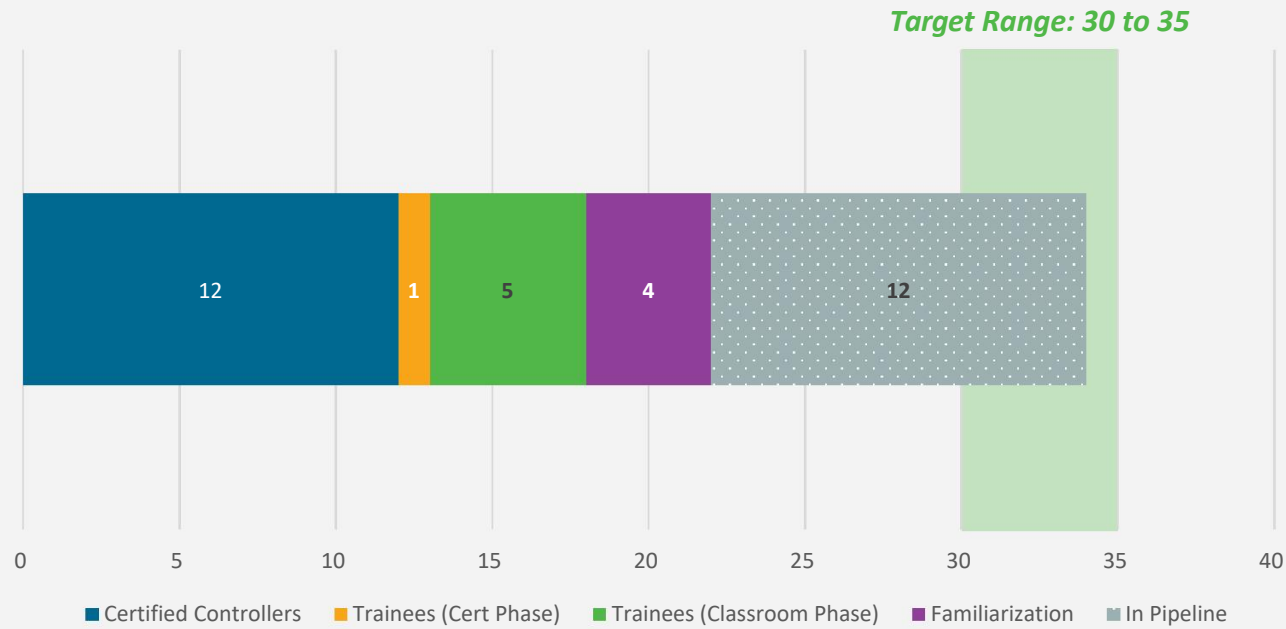
● Operations



Hiring Metrics - Priority Positions



Rail Operations Controller



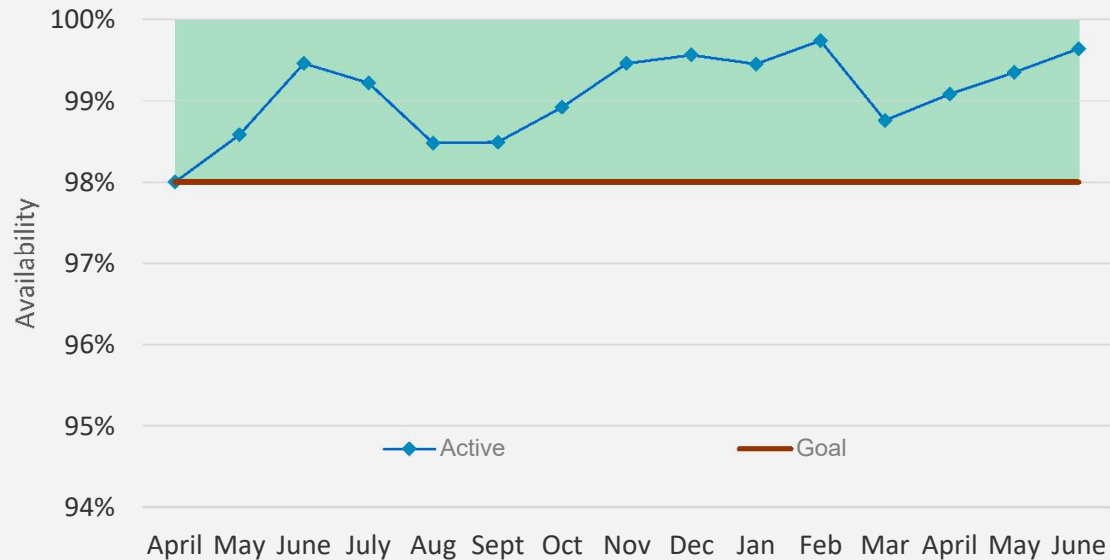
Station Equipment – Elevator Availability



Station Elevator

- Goal has been met consecutively for the past 12 quarters

Station Elevator



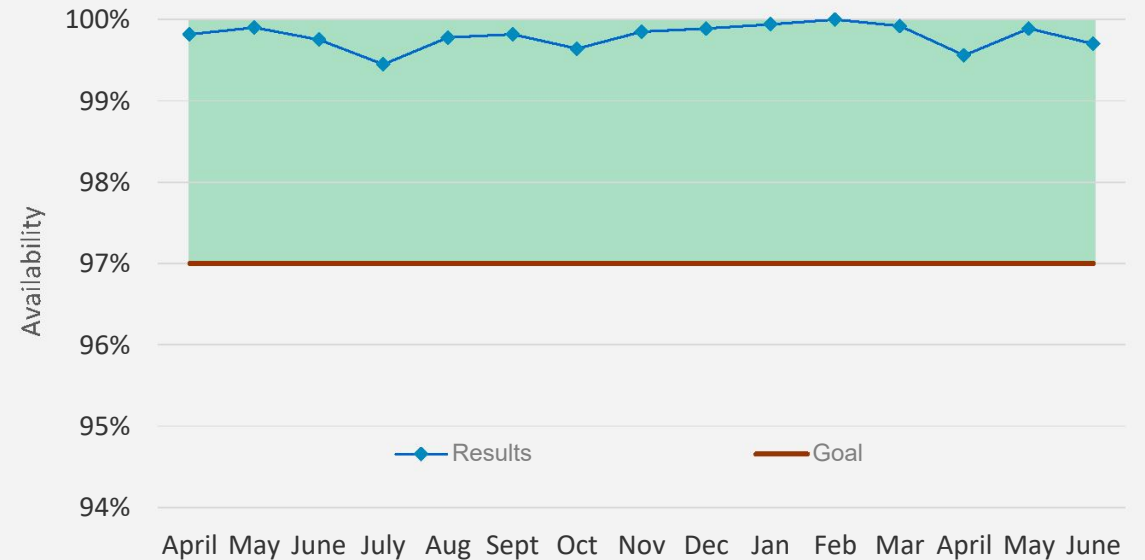
*E-line Elevator and Escalator are included

Garage Elevator

- Goal has been met consecutively for the past 18 quarters



Garage Elevator



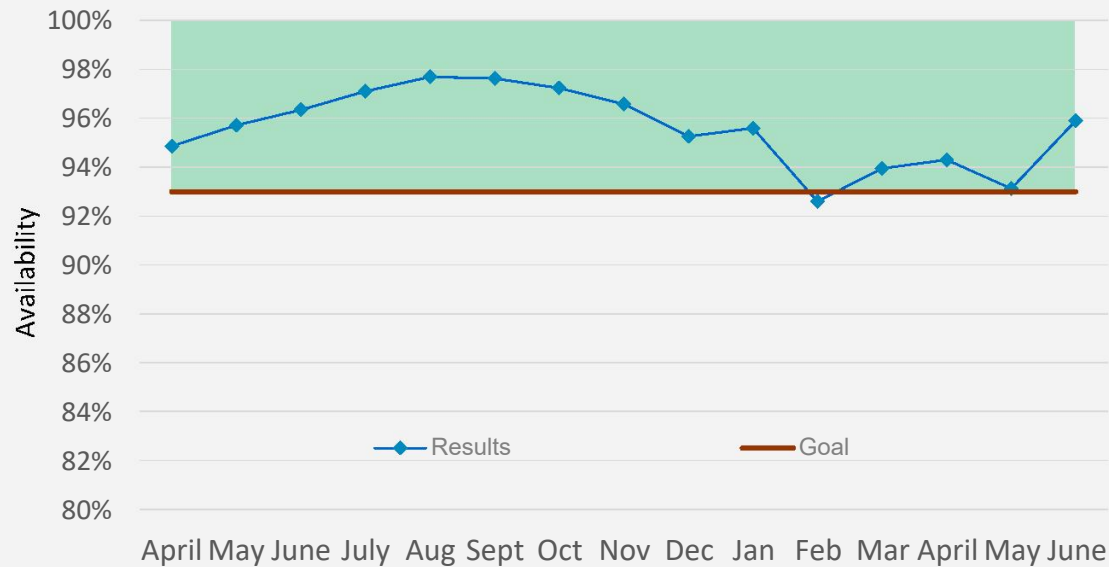
Station Equipment – Escalator Availability



Street Escalator

- Goal has been met consecutively for the past five quarters

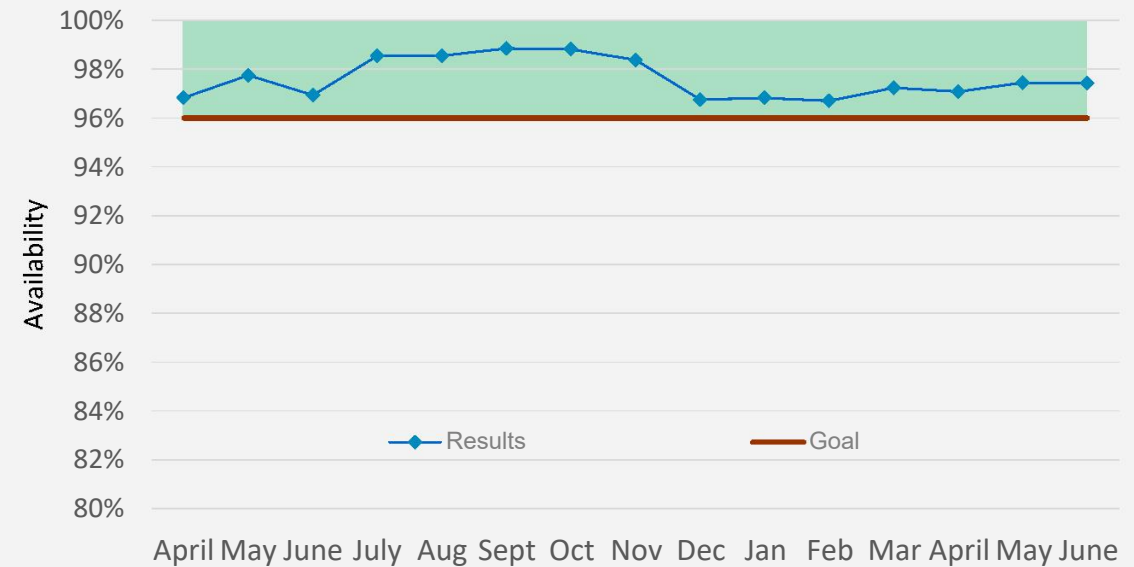
Street Escalator



- Platform Escalator
- Goal has been met consecutively for the past 12 quarters



Platform Escalator



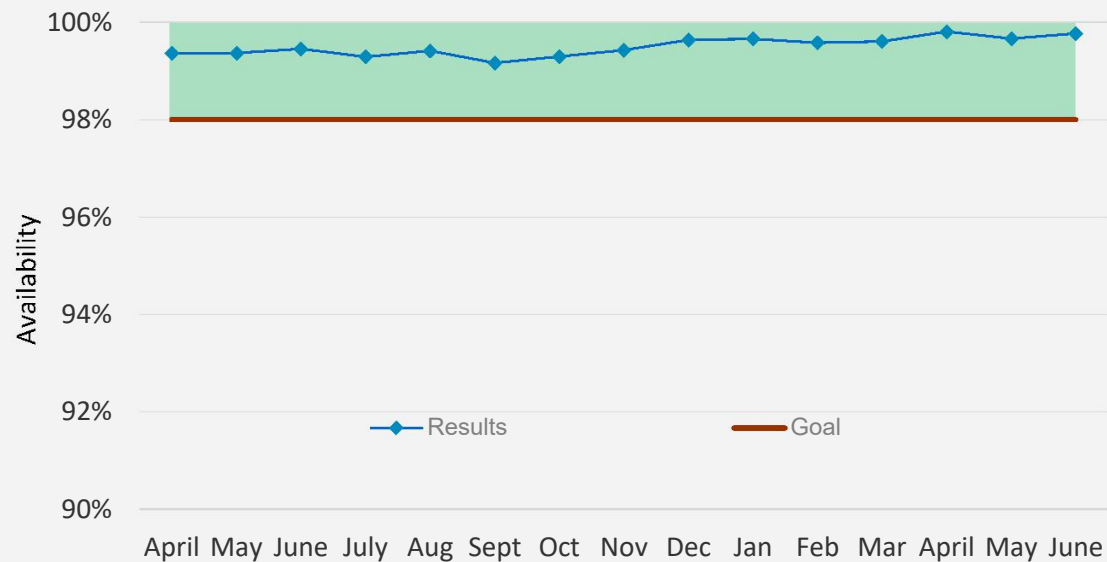
Station Equipment – Automated Fare Collection



Gate Availability

- Goal has been met consecutively for the past five quarters

Gate Availability

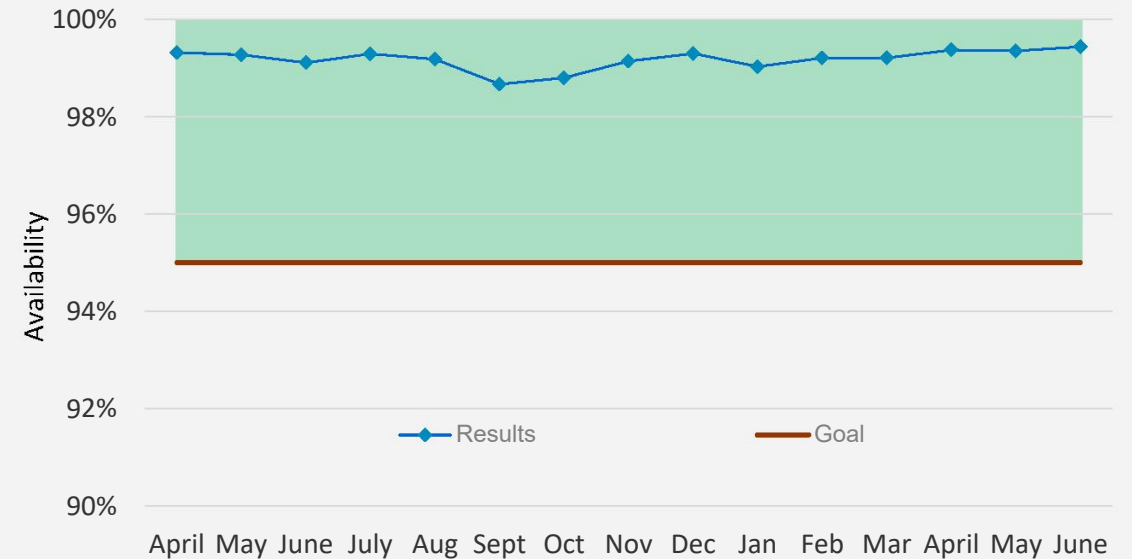


Vendor Availability

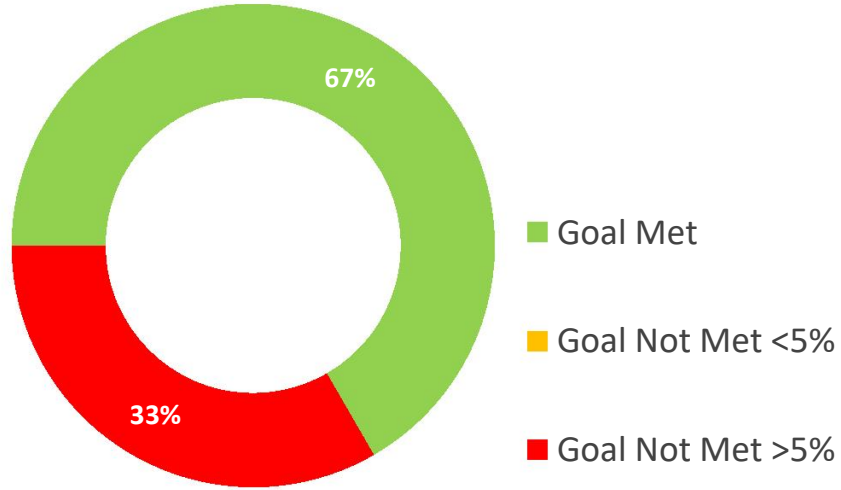
- Goal has been met consecutively since 2015



Vendor Availability



Summary – Customer Experience



Metric	FY24 Q4	Goal	% Change from FY24 Q3	
Customer Experience				
Overall Customer Satisfaction	81%		(6.57%)	▲
Station Agent Customer Service	4.31	4.0	(0%)	■
Complaints per 100,000 Passenger Trips	18.17	5.1	20.91%	▲
Train Environment				
Train Temperature	4.29	4.0	3.18%	▲
Train Interior Cleanliness	3.83	3.5	3.63%	▲
Station Environment				
Environment Outside Stations	3.76	3.5	4.46%	▲
Environment Inside Stations	3.66	4.0	1.93%	▲
Code of Conduct				
Gender Based Harassment	8%		(14.3%)	▲
Fare Evasion	19%		(20.44%)	▼

▲ Gray arrows represent change from the previous quarter for metrics which do not have an established goal

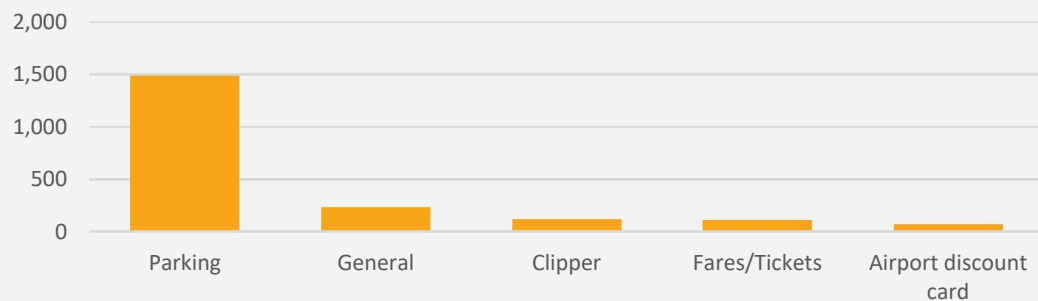
Customer Service – Cases by Type



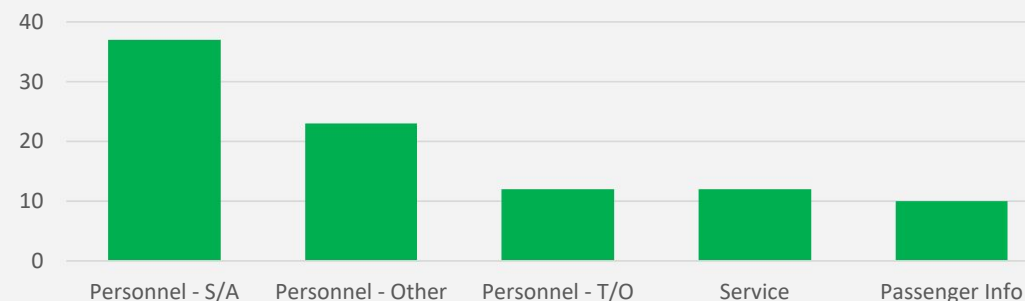
Breakdown of 4,991 Inquiry Cases



Inquiry Cases – FY24 Q4



Compliment Cases – FY24 Q4



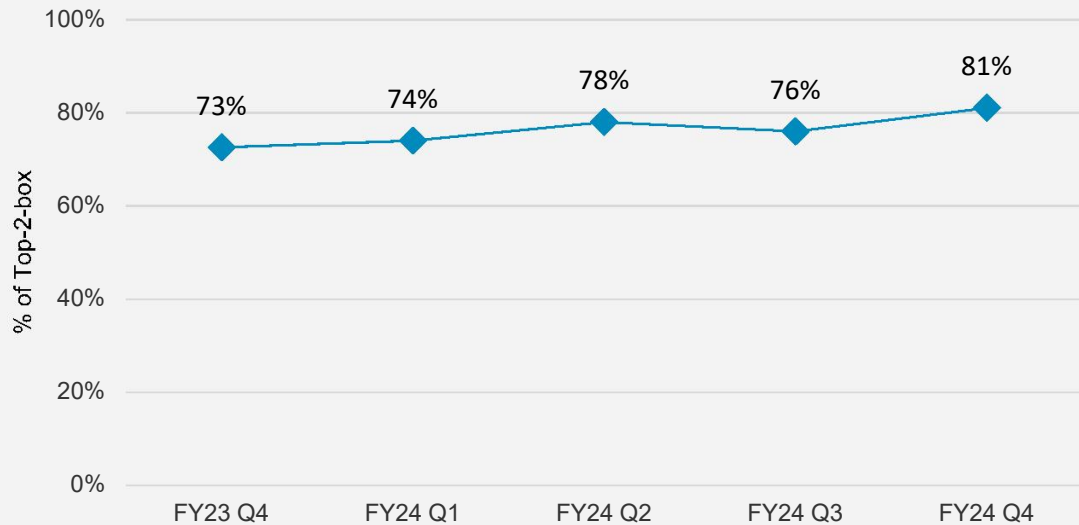
Customer Service – Experience

- Overall Customer Satisfaction 81%

- Station Agent Customer Service is 4.31

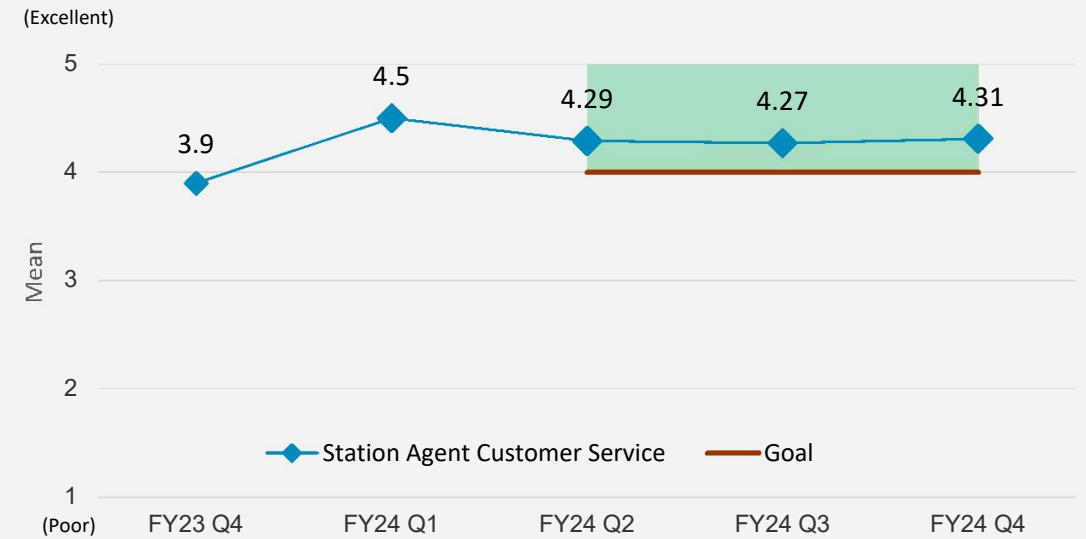
Overall, how satisfied are you with the services provided by BART?

Overall Customer Satisfaction



Customer service from Station Agent (if used today)

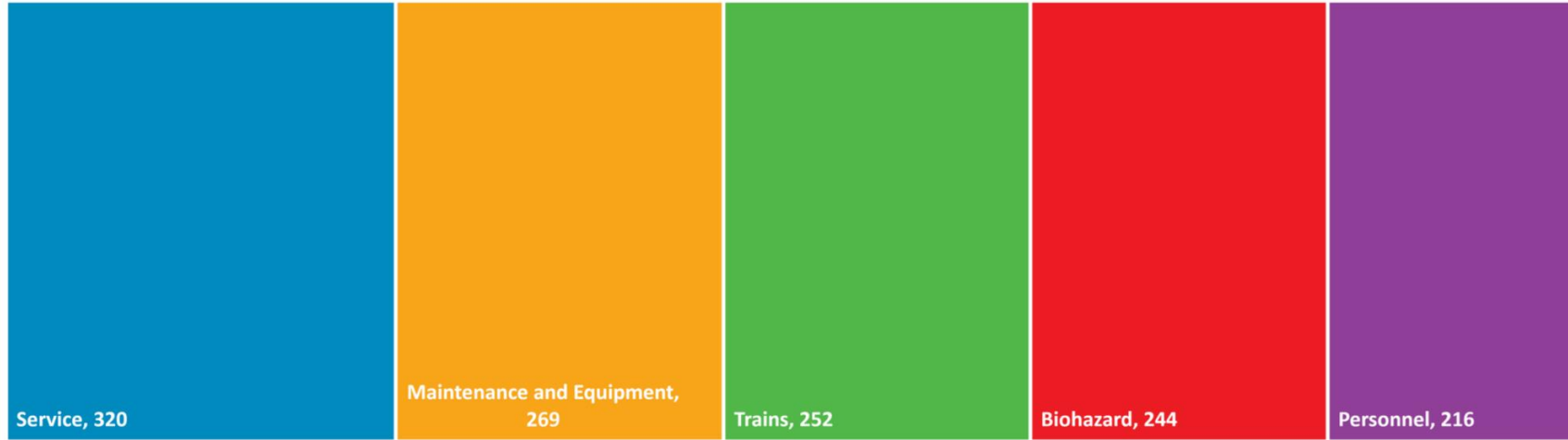
Station Agent Customer Service



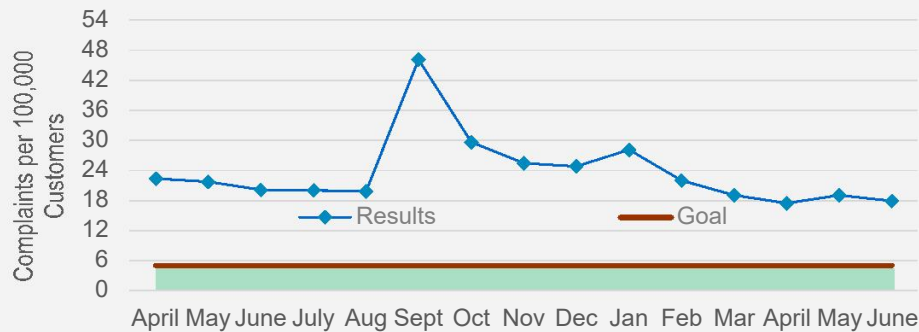
Customer Service – Complaint Cases



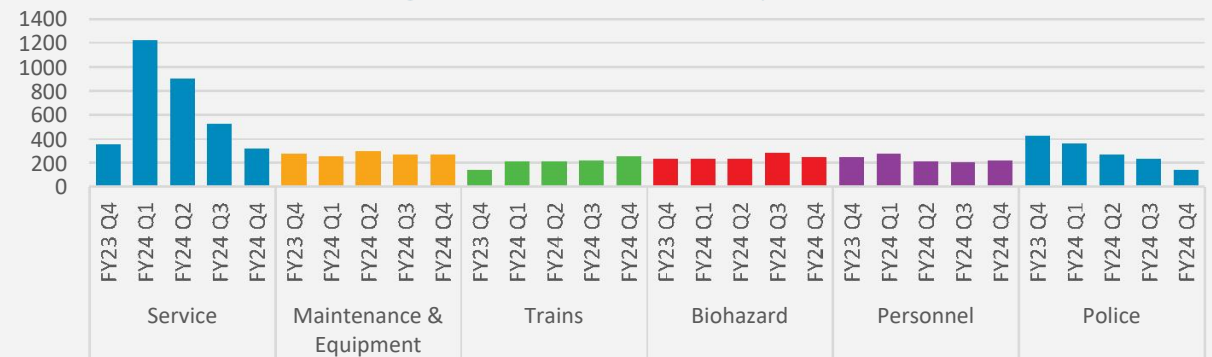
Breakdown of Top Five Complaint Categories of 2,324 Complaints



Customer Complaints



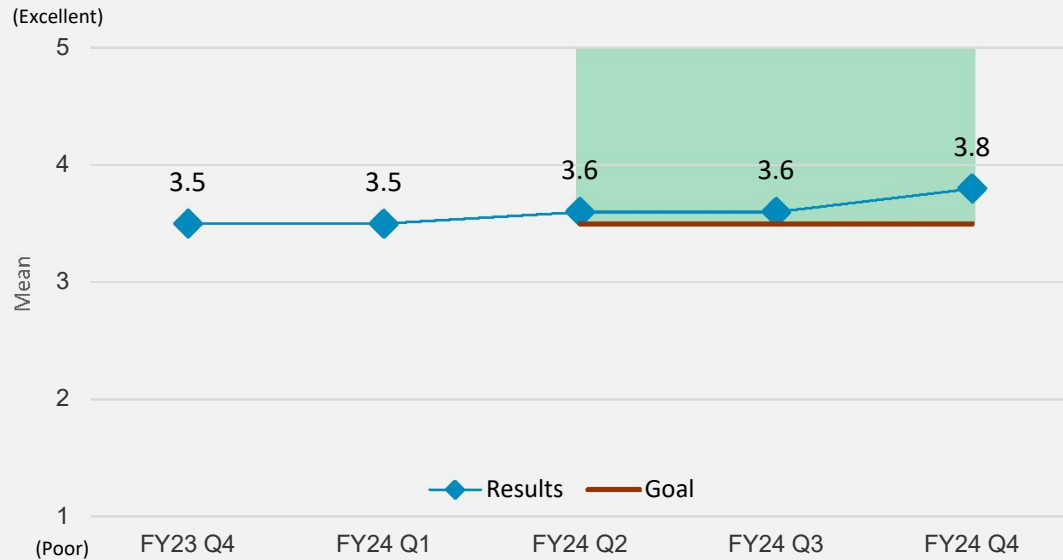
FY24 Q4 Trending Customer Complaints



Environment Outside Station

- This is a composite score which incorporates the appearance of BART landscaping, walkways, and entry plaza (67%), and the cleanliness of the parking lot (33%).

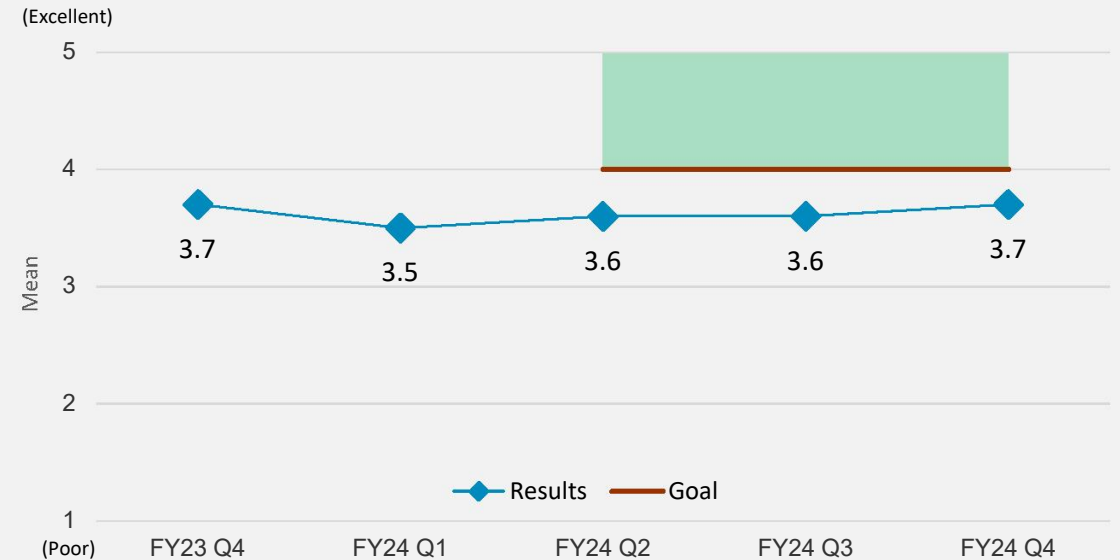
Environment Outside Station



Environment Inside Station

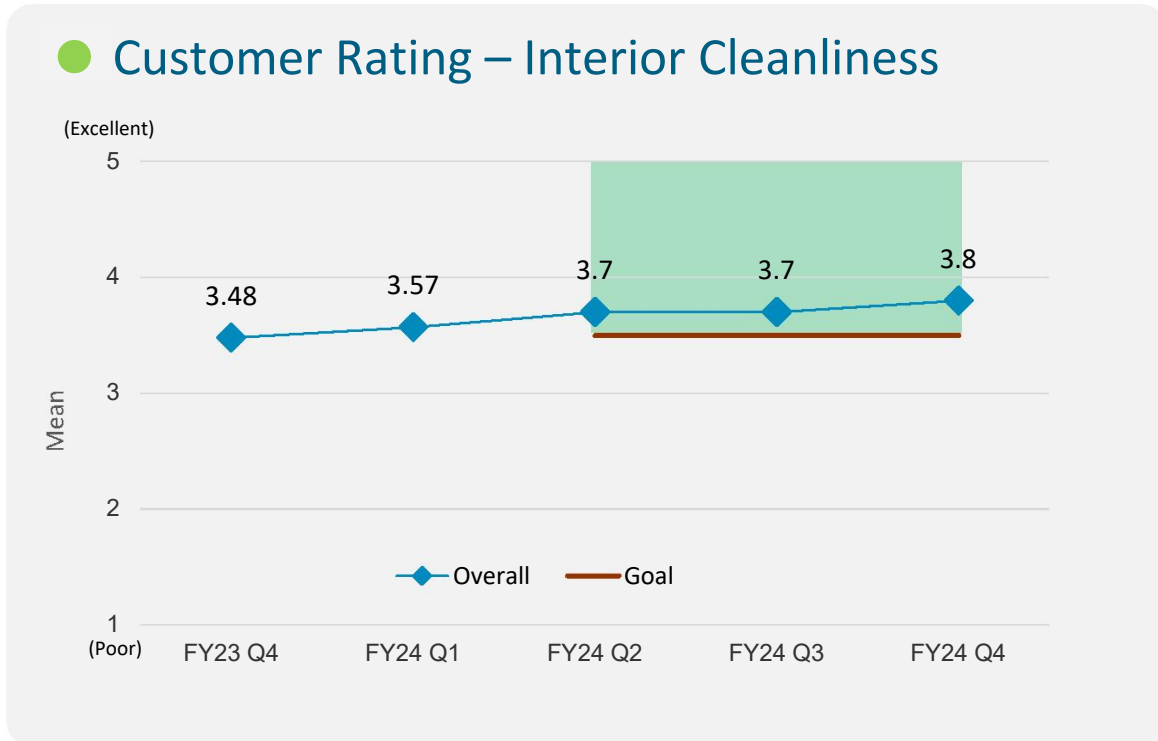
- This is a composite score which incorporates the appearance of the platform (40%), concourse (25%), escalator (10%), stairwells (7.5%), elevator (10%), and restroom (7.5%).

Environment Inside Station

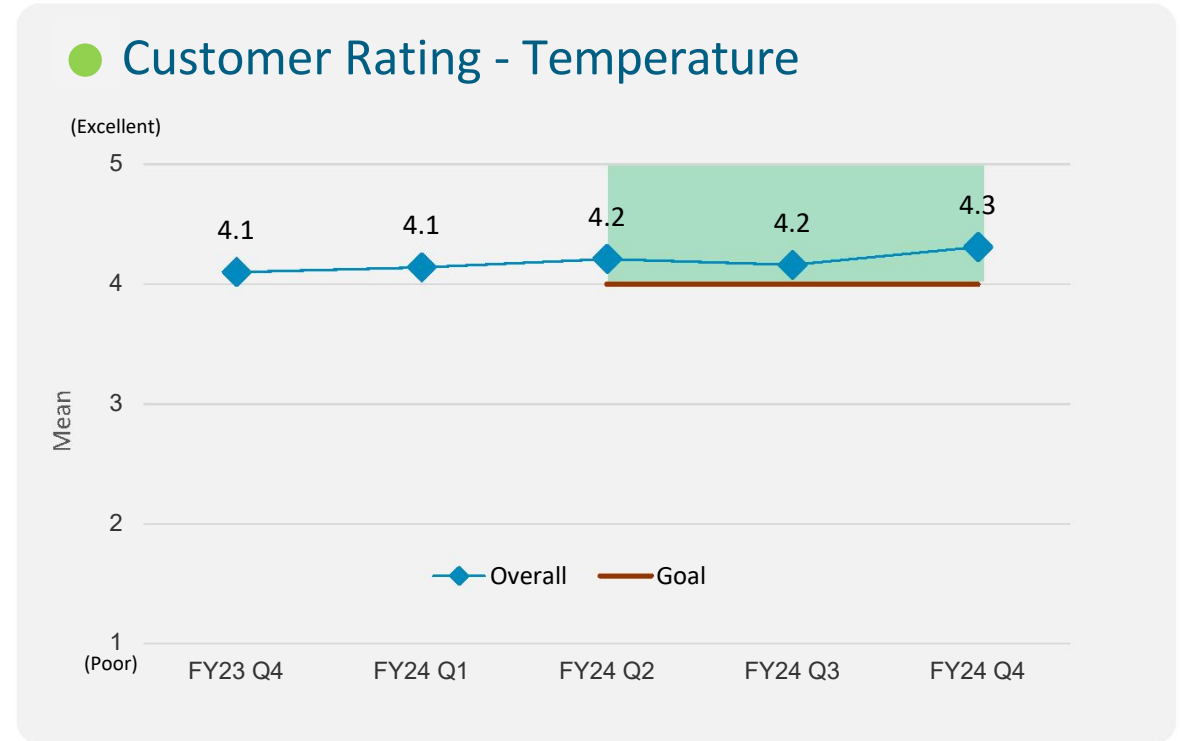


Customer Rating – Interior Cleanliness

- This is a composite score which incorporates the cleanliness of the train interior including graffiti (50%), and the appearance of the overall car (50%)



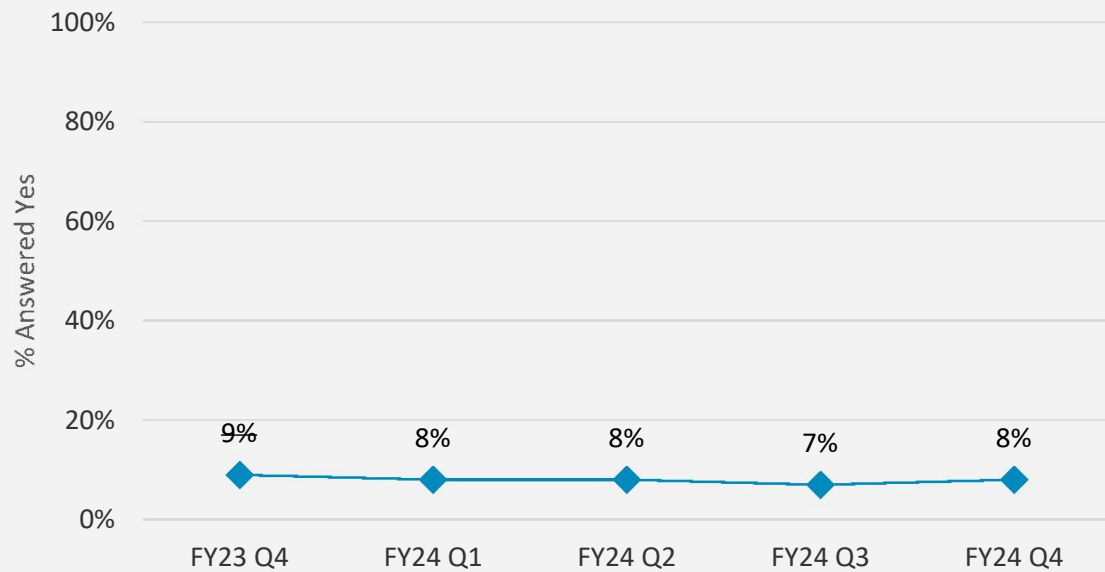
Customer Rating - Temperature



Gender Based Harassment

Have you experienced gender-based sexual harassment at BART in the last six months?

Gender Based Harassment

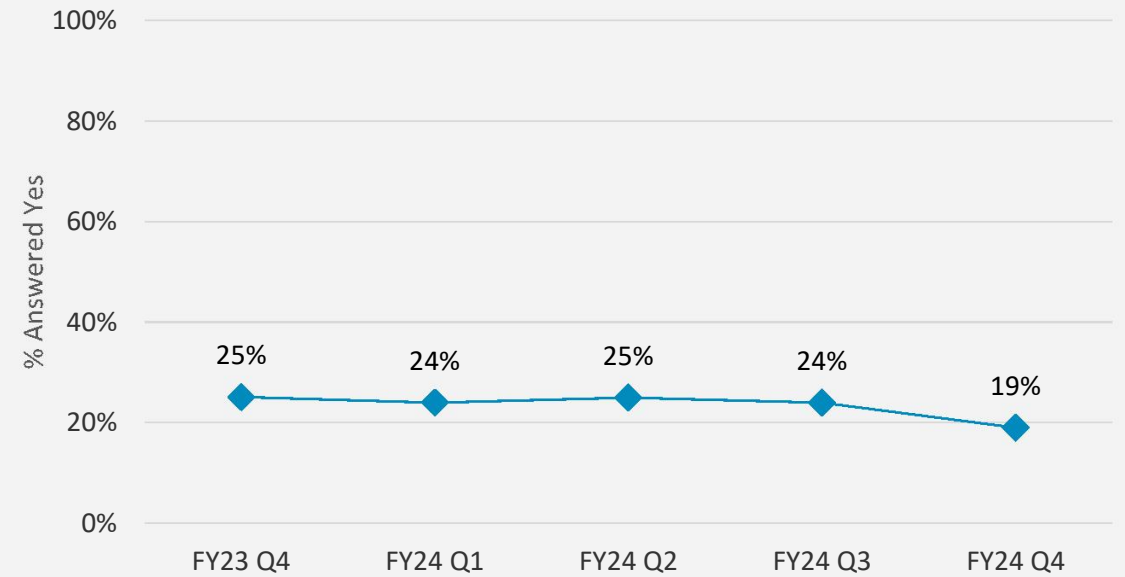


Source: PES Survey

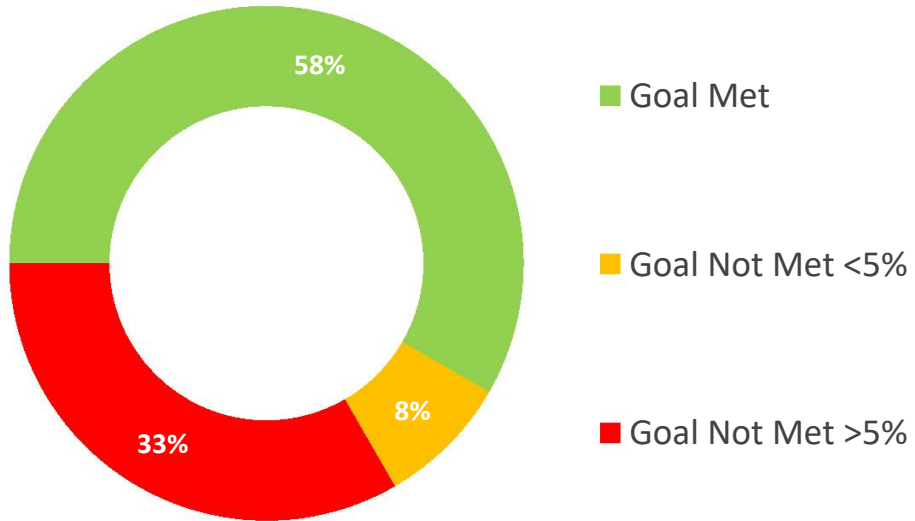
Fare Evasion

Did you see anyone enter or exit the Station without paying their fare today?

Fare Evasion



Summary – Safety and Security



Metric	FY24 Q4	Goal	% Change from FY24 Q3	
<i>Safety</i>				
Vehicle Incidents/Million Patrons	0.47	0.6	(88.00%)	▼
Unscheduled Door Openings/Million Car Miles	0.23	0.2	0.00%	▬
Rule Violations Summary/Million Car Miles	0.57	0.25	(23.91%)	▼
Station Incidents/Million Patrons	1.41	2	(20.51%)	▼
OSHA-Recordable Injuries/Illnesses/Per OSHA	12.40	12	0.79%	▲
Lost Time Injuries/Illnesses/Per OSHA	5.83	6.5	(5.61%)	▼
<i>Security</i>				
Police Response Time per Emergency Incident	4.65	5	1.48%	▲
Bike Thefts	20	50	(33.33%)	▼
Auto Thefts/1,000 Parking Spaces	2.49	2	(19.99%)	▼
Auto Burglaries/1,000 Parking Spaces	3.05	3.5	28.64%	▲
BART Police Presence	19.3%	12%	8.95%	▲
Crimes Against Persons/Million Riders	11.18	2	20.59%	▲

Station Incidents

Breakdown of 18 Station Incidents

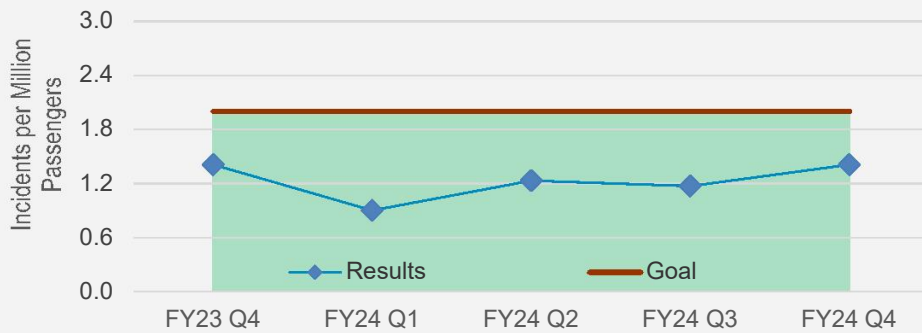


Vehicle Incidents

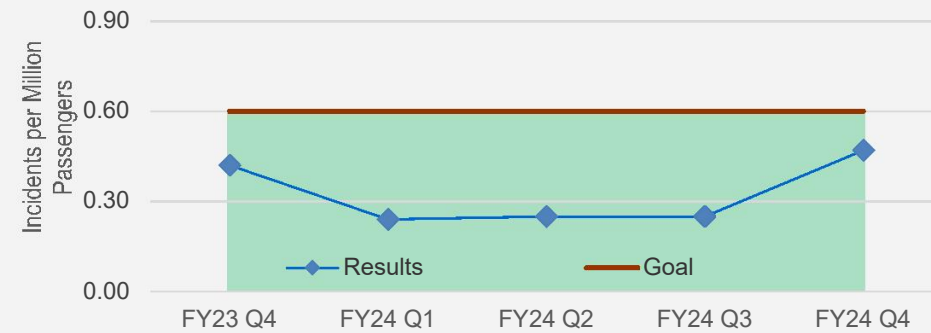
Breakdown of 6 Vehicle Incidents



Station Incidents



Vehicle Incidents



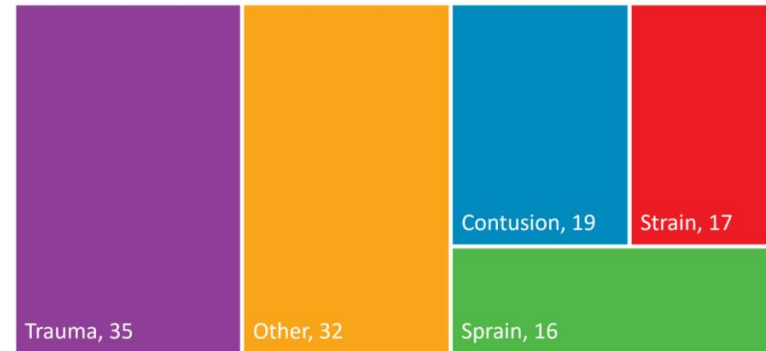
Lost Time due to Injuries

Breakdown of 56 Lost Time Cases

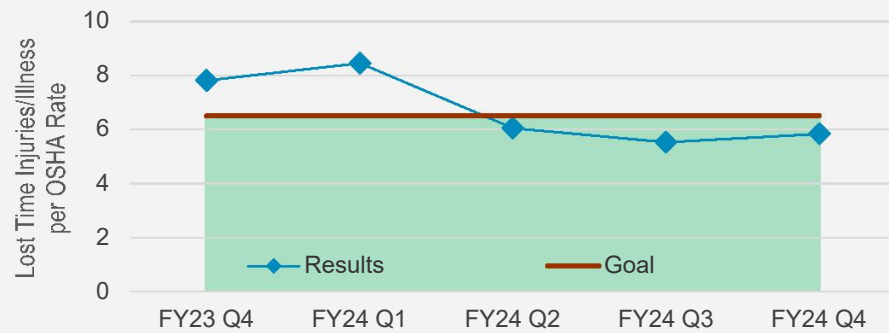


OSHA Recordable Injuries

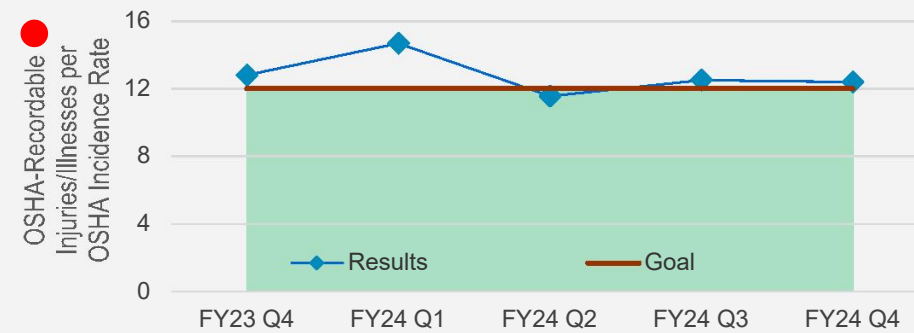
Breakdown of 119 Recordable Injuries



Lost Time Injuries/Illness per OSHA Rate



OSHA Recordable Injuries/Illnesses per OSHA Incidence Rate



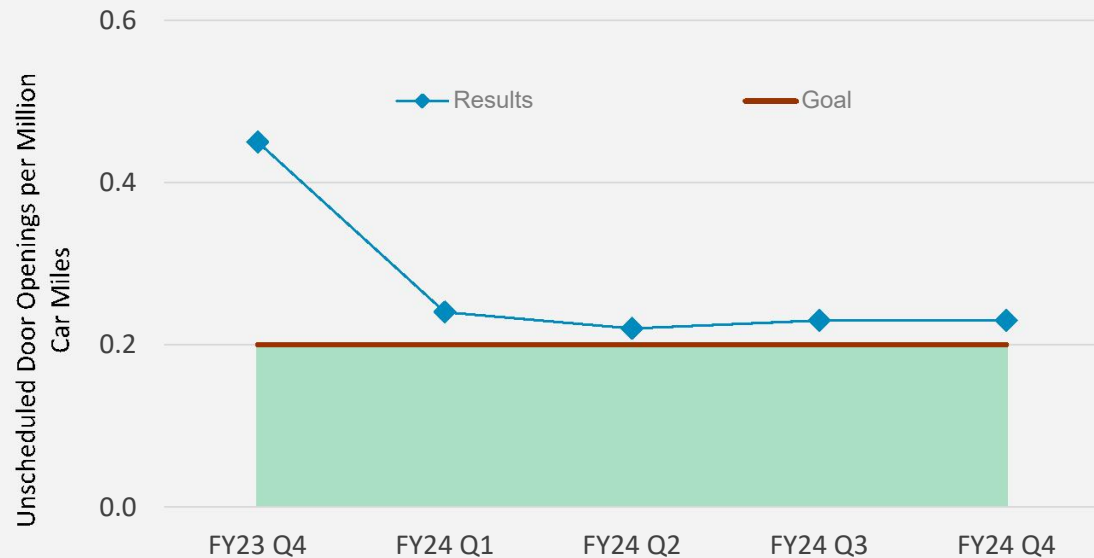
Safety – Procedure Violations



Unscheduled Door Openings

- 4 Unscheduled Door Openings in FY24 Q4
 - All due to passenger action/misuse

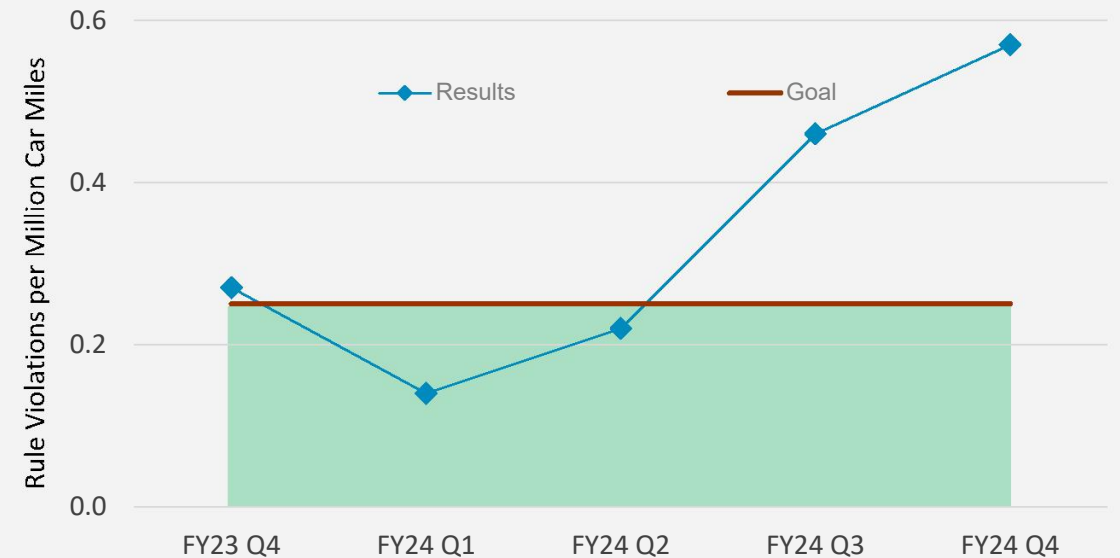
Unscheduled Door Openings



Rule Violations

- 10 Rule Violations in FY24 Q4

Rule Violations



Security – Police Coverage

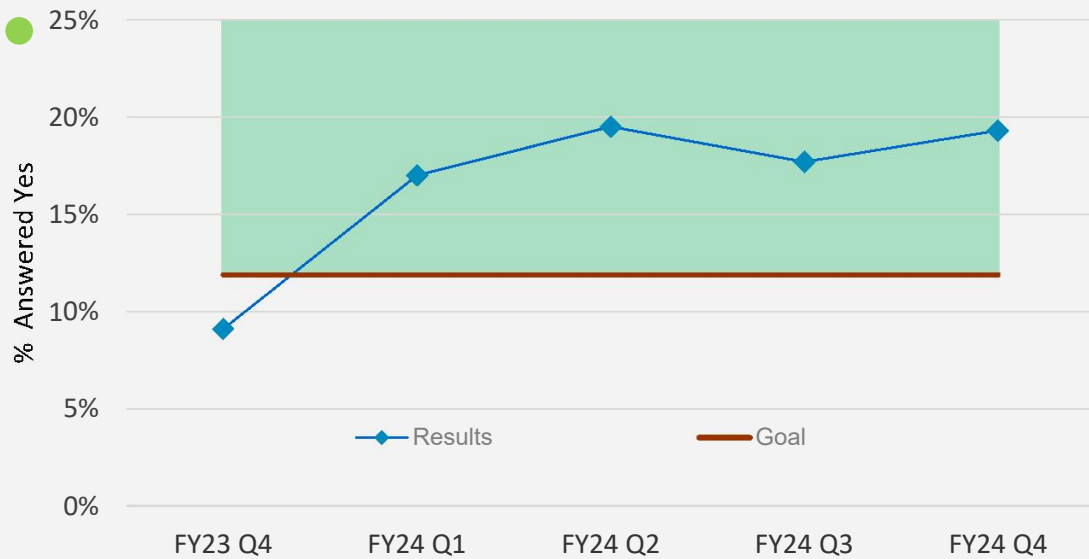


Police Presence

- Continued focus on highly visible presence of BPD uniformed sworn and civilian personnel on trains and in stations.

Did you see BART Police personnel in the station/outside the station/on the train today?
BART Police personnel includes Police Officers, BART Ambassadors, Fare Inspectors, Crisis Intervention Specialists or Community Service Officers

BART Police Presence



Police Response Time

- Goal met

BART Police Response Time

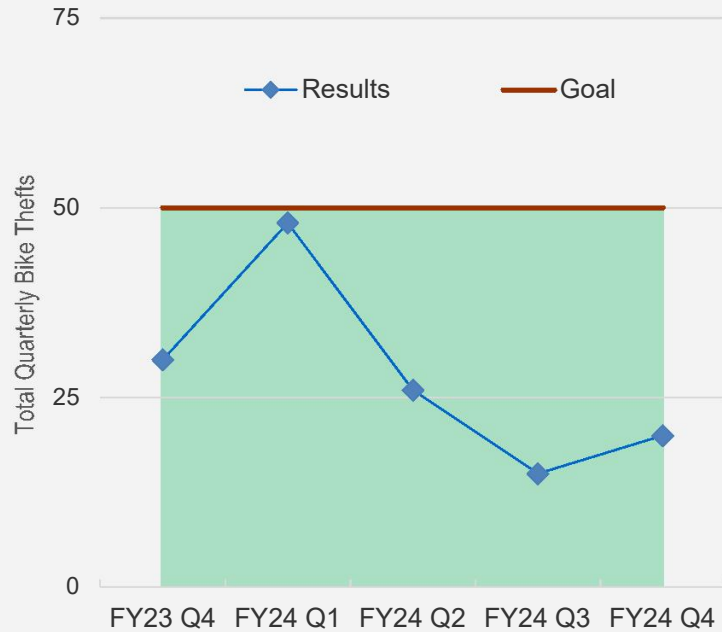


Crime – Theft and Burglary

Bike Theft

- Goal met

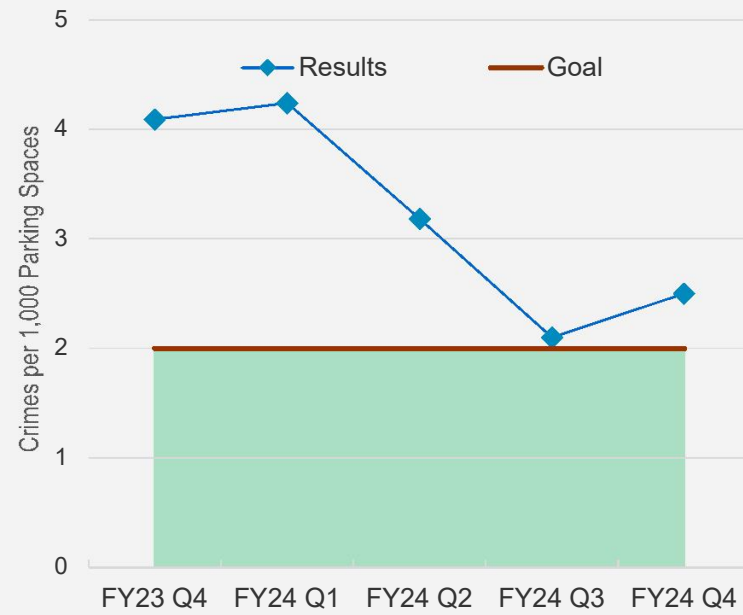
Bike Theft



Auto Theft

- Goal not met

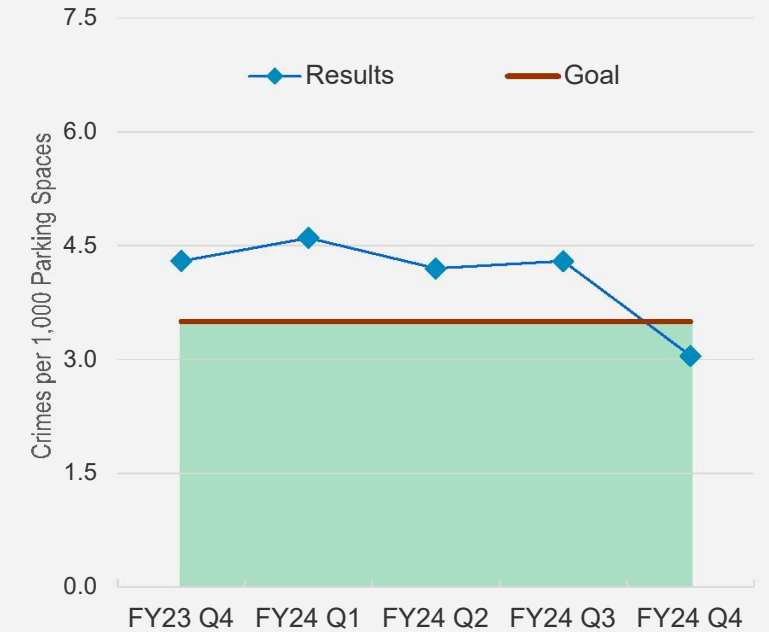
Auto Theft



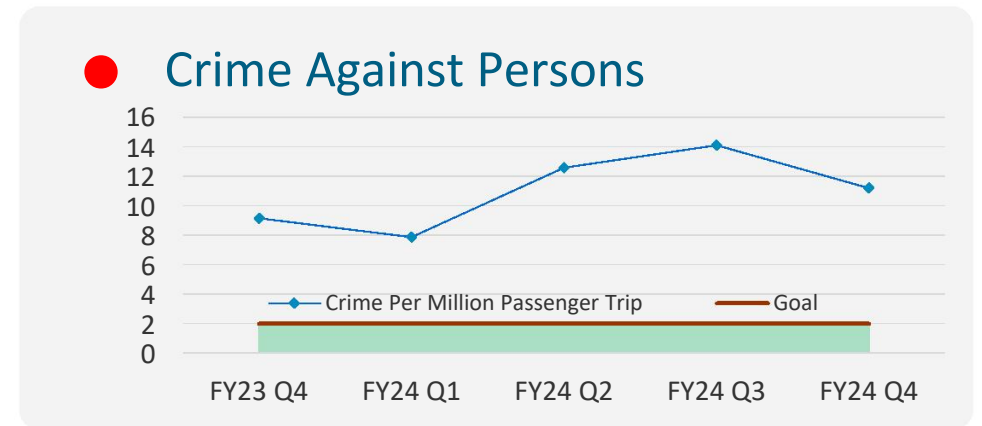
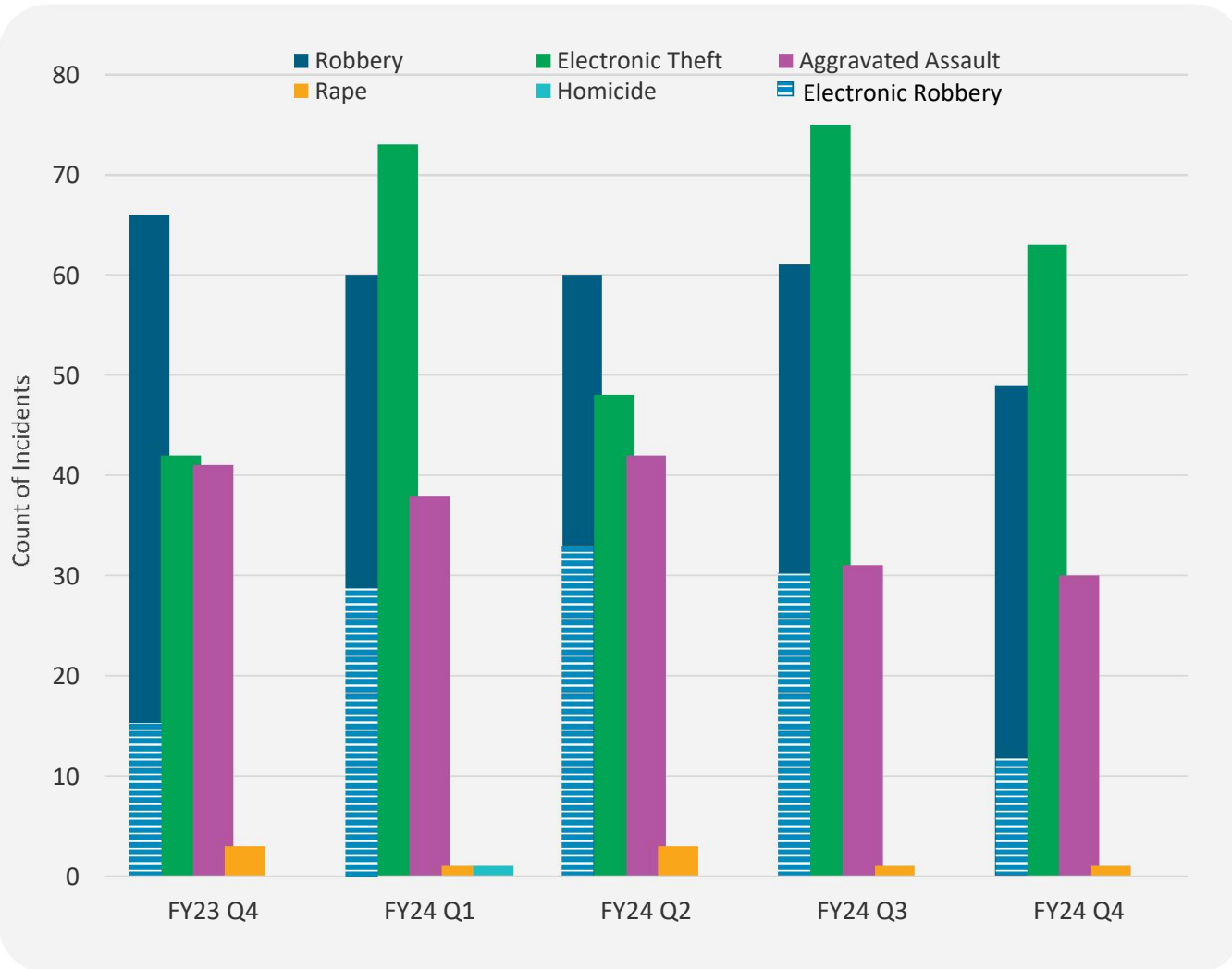
Auto Burglary

- Goal met

Auto Burglary



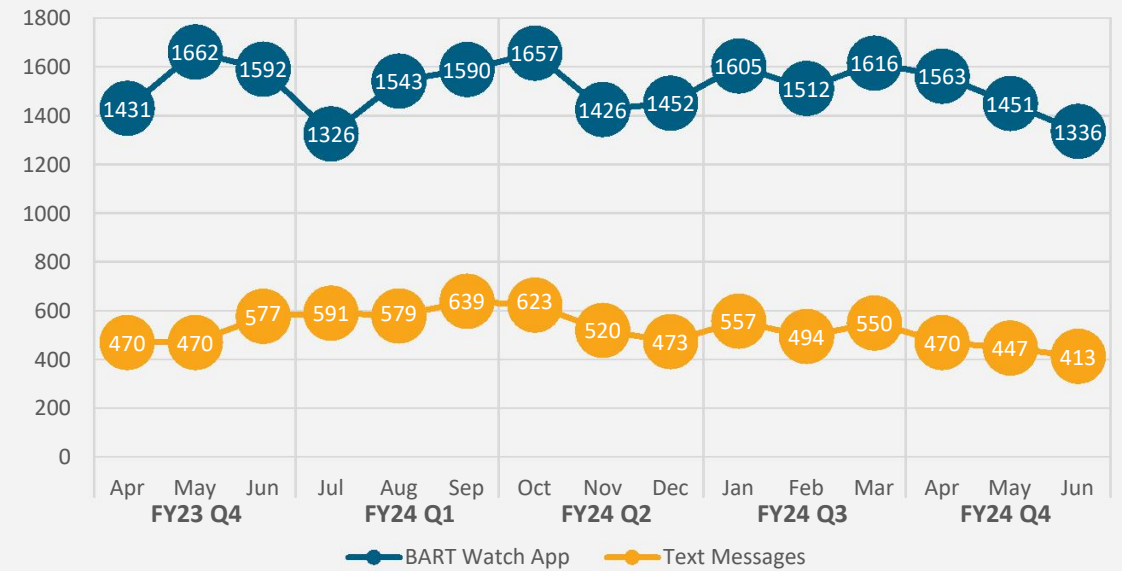
Crime – Against Persons



Breakdown of 4,350 BART Watch Reports



Total BART Watch & Text Counts by Month

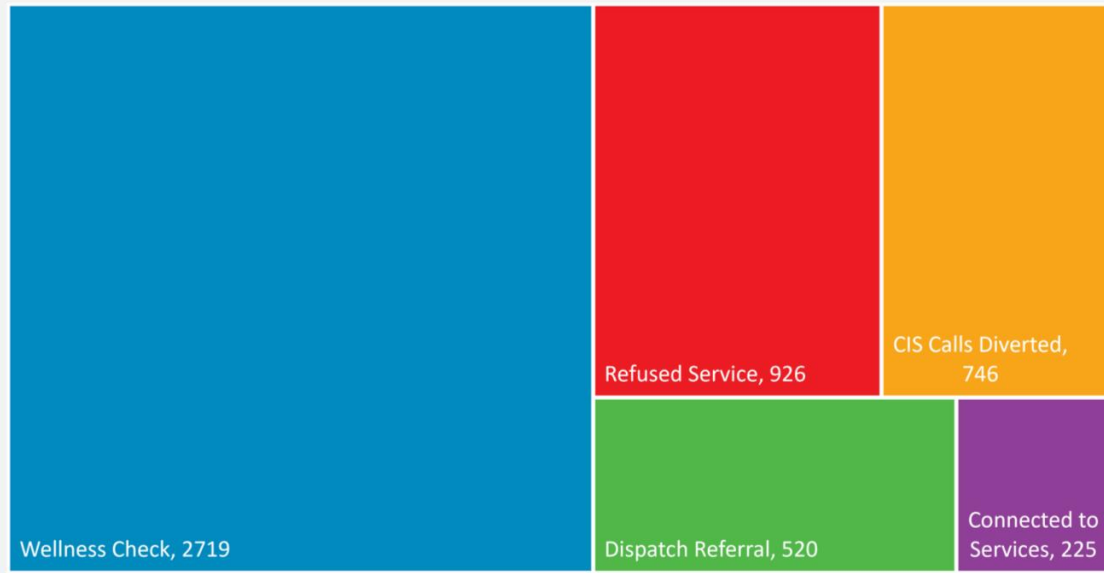


Progressive Policing Contacts and Outcomes

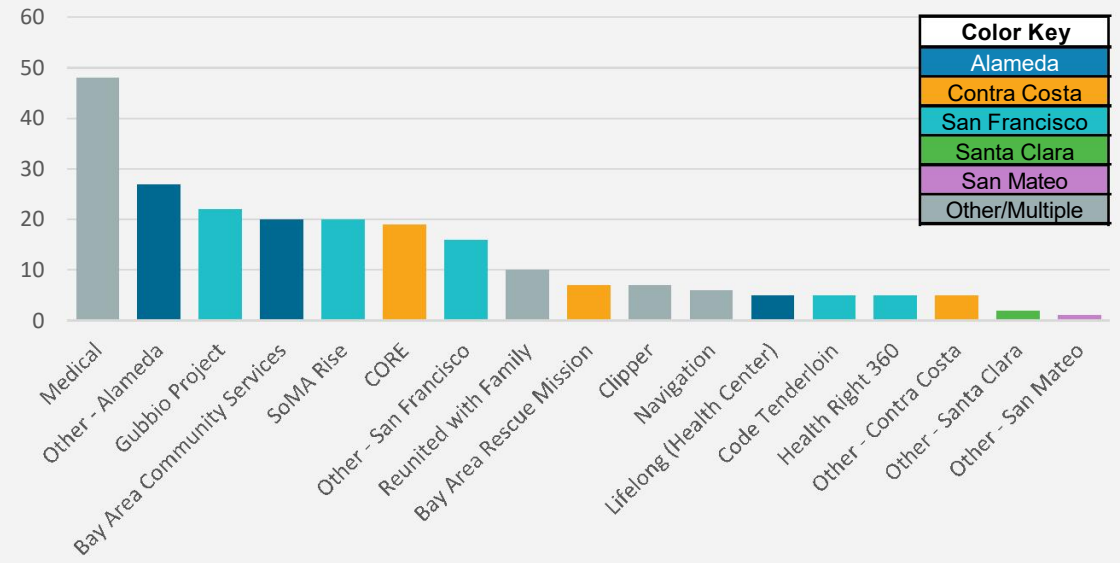


- 25 Narcan incidents total; 4 of which were administered by CIS

Summary of Contacts (5,136)



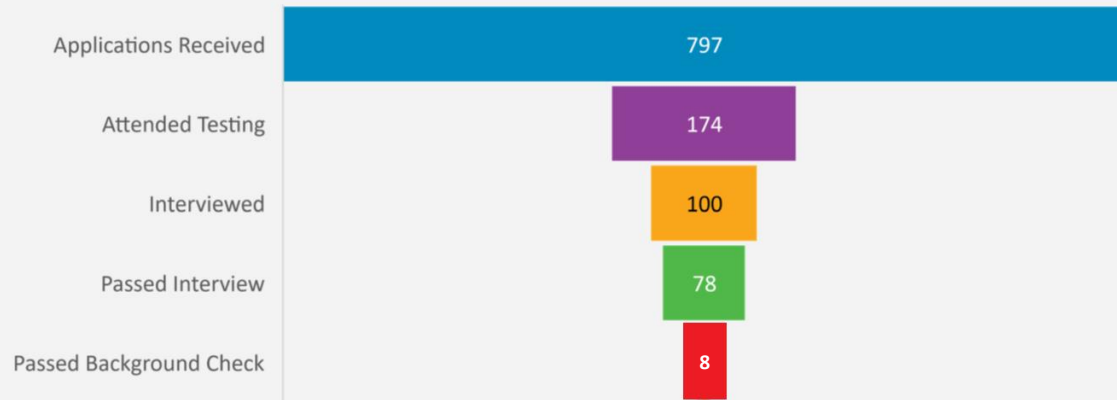
Connections to Services by Partner (225)



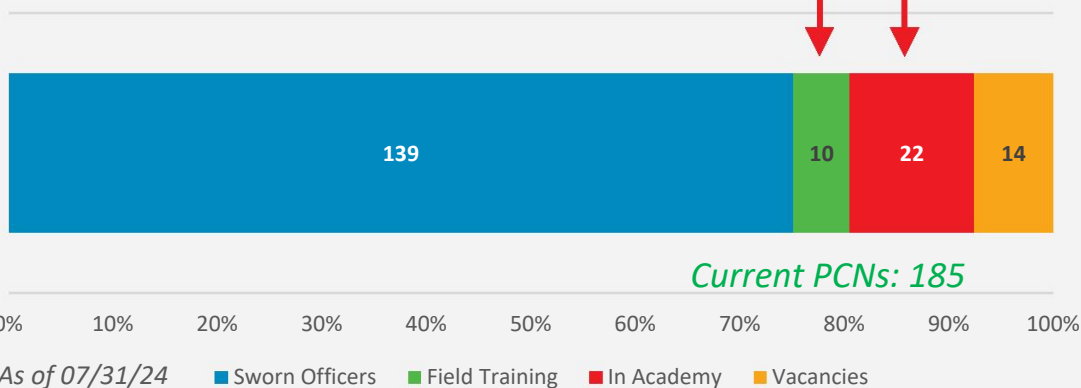
Police Hiring Metrics



Police Hiring Pipeline – FY24 Q4



Police Headcount Tracking



- 33 Police Officers hired since January
 - 9 Police Officer candidates accepted final job offers and began in the month of July
 - 22 new recruits in the Police Academy
 - 10 sworn officers currently in field training
- Recruitment team participated in 11 off-site recruitment outreach events since January
- 105K views and 78K engagements on JOINBARTPD.COM website since launch in July 2023
 - 12K new users since January 2024
- More than 395 prospects attended a total of 6 Police Officer Recruitment Open House events held at BPD Headquarters
 - The next open house is scheduled on August 24th
- Number of applicants interviewed
 - FY23 Q4: 57
 - FY24 Q1: 146
 - FY24 Q2: 131
 - FY24 Q3: 108
 - FY24 Q4: 100

Questions?



Glossary by KPI Category and Class

Service Delivery

Capacity

- Dispatched Train: A train whose wheels have rolled from its first station
- Missed Dispatches: Scheduled trains which were never dispatched or partial runs that were not able to dispatch from their planned origin

Punctuality

- Cancellation: A scheduled train unable to be dispatched, e.g., system delays or car shortage
- Delayed Train: A train that has been delayed by the amount of the delay threshold of five minutes and/or one or more of the following:
 - unscheduled cumulative train delay(s) that exceed delay threshold at end of line
 - cancelled train dispatch(es)
 - train offload(s)
 - station run-through(s)
- Incident: An observed system anomaly of the railroad entities that may or may not inhibit train movement
- Timed Train Meets: The percentage of trains that connected on-time, relative to the published schedule. A meet is successful when there is more than 20 seconds of overlap between the two trains
 - K-Line Meets consist of timed transfers between the Yellow and Orange lines. Northbound trains transfer at 19th St and Southbound trains at MacArthur

Railway Asset Availability

Wayside

- ATO: Automated Train Operation
- PM: Planned Maintenance

Revenue Fleet

- DMU: Diesel Multiple Unit (eBART Train)
- FOTF: Fleet of the Future
- MTBSD: The mean time between service delays in hours

Stations

- Gate Availability: The percentage of time automated fare gates are in service during operating hours
- Vendor Availability: The percentage of time ticket vending machines are in service during operating hours

Customer Experience

Customer Service

- Personnel – S/A: Station Agent
- Personnel – T/O: Train Operator

Environment

- PES: Passenger Environment Survey

Safety and Security

Safety

- Alighting: To come down from something (such as a vehicle)
- OSHA: Occupational Safety and Health Administration
- Rule Violation: A violation of procedural rules by a train operator or other BART staff
- Safety Incident: An occupational injury or illness, including deaths

Security

- CIS: Crisis Intervention Specialists serve as liaisons between BART Police and community-based organizations that provide mental health, housing, and other services
- **Progressive Policing Contact Types:**
 - CIS Calls Diverted: The number of calls that were diverted from sworn officers to CIS Staff
 - Connected to Services: The number of individuals who were connected to services
 - Dispatch Referral: The number of calls which were referred to CIS staff by BPD Dispatch
 - Refused Service: The number of individuals who were offered connections to local services by CIS staff but refused
 - Wellness Check: The number of contacts made to check on the wellbeing of a person in a station or on a train