

Greater Cleveland Regional Transit Authority



# Public Transportation Agency Safety Plan (PTASP)

Status of the Performance Targets for the  
Audit, Safety Compliance and Real Estate Committee  
October 6, 2020



# GCRTA PTASP

## Overview:

- Requirement per 49 CFR 673
- Based on Safety Management System (SMS) Principles

# GCRTA PTASP

- Flexible and Scalable to the Transit Property
- Completed 1/31/20
- Approved by Board of Trustees on 2/4/20

## GCRTA PTASP

- Will have an updated plan ready by 1/31/21 to meet ODOT and FTA requirements
- Will update Board of Trustees on changes
- Contains Performance Targets based on the National Public Transportation Plan

# GCRTA PTASP

## Four Categories of Performance Targets:

- Rail Fatalities
- Rail Reportable Injuries
- Safety Events
- System Reliability

## GCRTA PTASP

- Fatalities: Death excluding that resulting from illness or other natural causes and criminal homicides that are not related to collisions with a rail transit vehicle. Includes suicides on rail property.
- Target = No more than 1 in 2020
- Actual YTD = 0

## GCRTA PTASP

- Rail Reportable Injuries: An injury requiring hospitalization for more than 48 hours; Results in a fracture of any bone; Causes severe hemorrhages, nerve, muscle or tendon damage; Involves any internal organ; or Involves significant burns.

## GCRTA PTASP

- Rail Reportable Injuries continued:  
Example, falls from platforms
- Target = No more than 2 in 2020
- Actual = 1. Fall from heavy rail platform at E. 34<sup>th</sup>  
Campus RTS



## GCRTA PTASP

- Rail Safety Events: A reportable accident, incident or occurrence. Examples include grade crossing collisions, evacuations due to life safety, & derailments.
- Target = No more than 8
- Actual = YTD, 7

# GCRTA PTASP

Rail Work Equipment -  
Tie Inserter Derailment



## GCRTA PTASP

- Preventable Collision Rate: A measure of collisions whereby the Operator failed to do everything reasonable which could have been done to avoid the collision. Expressed as a rate per 100,000 miles driven.
- Target = No more than 1.35 Collisions per 100,000 Miles
- Actual = 1.21 Collisions per 100,000 Miles

## GCRTA PTASP

- Occupational Injury Rate: A measure of job related injuries expressed as a rate per 200,000 hours of work (OSHA formula).
- Target = No more than 8 injuries per 200,000 hours worked
- Actual = 6.46 injuries per 200,000 hours worked

## GCRTA PTASP

- Miles Between Service Interruptions (MBSI): The mean distance between major mechanical failures.
- Examples include brake failures, motor issues, a door problem, axle defects, and suspension problems.

## GCRTA PTASP

- Target = Light Rail Trains 2,963 miles  
Heavy Rail Trains 16,987 miles
- Actual = Light Rail Trains 3,094  
Heavy Rail Trains 13,781