



SFMTA

# Rubber Tire Mid-Life Overhaul Program



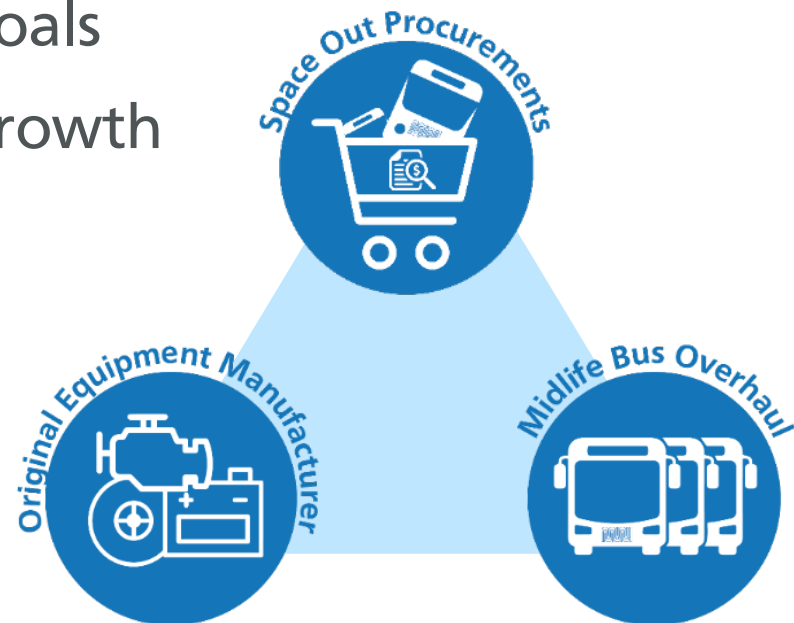
**Transit | Fleet Engineering**

**March 2022**

# Fleet Management Plan

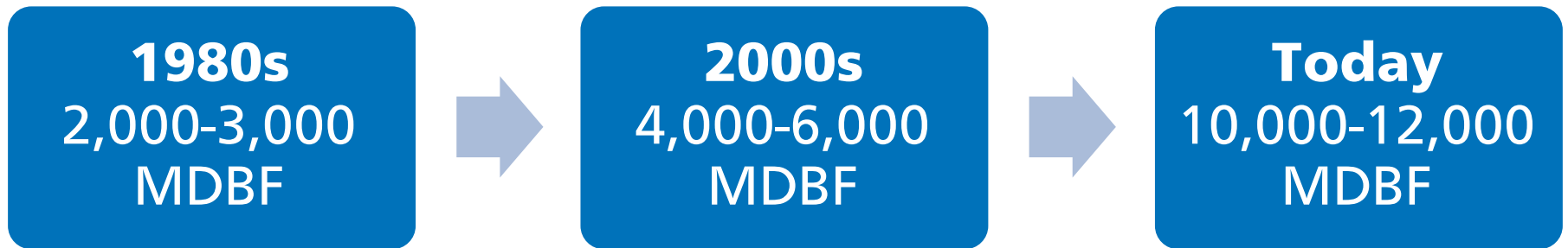
## Guiding Principles

- Maintain consistent fleet average age
- Performance-based procurements
- Develop robust maintenance standards
- Align with City's sustainability goals
- Anticipate and accommodate growth
- Maintain a spare ratio of 20%



# Improved Reliability = Better Service

Over the past 30 years fleet reliability has improved significantly



Mean Distance Between Failures (MDBF) is the industry-standard measurement of vehicle reliability. It tracks how long a vehicle travels before an in-service failure

# Maintenance – Our Primary Charge

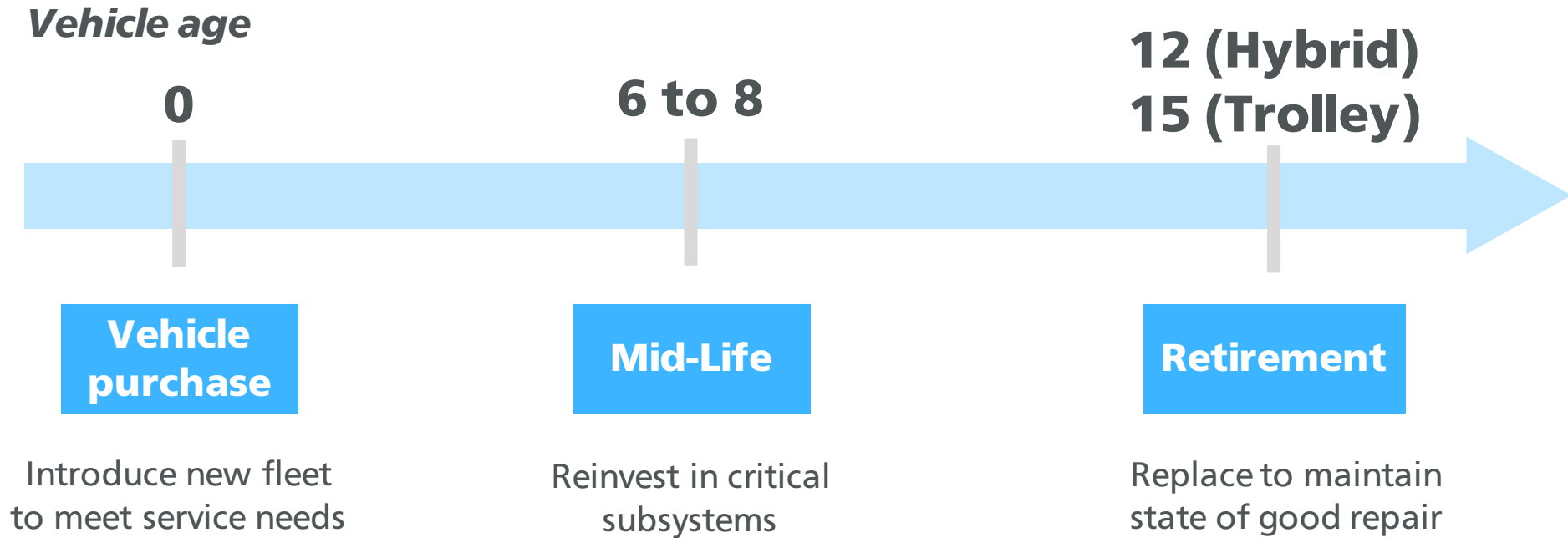
Keep quality service on the streets

- Requires both regular day-to-day maintenance as well as midlife overhauls
- Both are required to keep the fleet in top condition

Outstanding maintenance team is essential to Muni!



# Rubber Tire Coach Lifecycle



# Mid-Life Overhaul Program Overview

- Transportation Authority Board Prop K funding agreement requires SFMTA to complete a mid-life overhaul program
- Overhaul program will be conducted in groups based on vehicle age and configurations
- Phase 1 split into two parts due to COVID and initial RFP lacking responsive bids



# Mid-Life Overhaul Program Phase 1

## **First group (112 40ft coaches purchased in 2013)**

- SFMTA Maintenance performs in-house overhaul work
- Repower of the propulsion systems and replace Automatic Passenger Counter (APC)
- Started in Aug 2021, estimated completion mid 2023

## **Second group (219 40ft & 60ft coaches purchased in 2015-2016)**

- Selection complete and seeking SFMTA Board approval
- Overhaul major vehicle systems
- Revised and re-balanced work scope based on industry feedback

**Remaining coaches will be overhauled in near future as part of Phase 2 and 3 work**

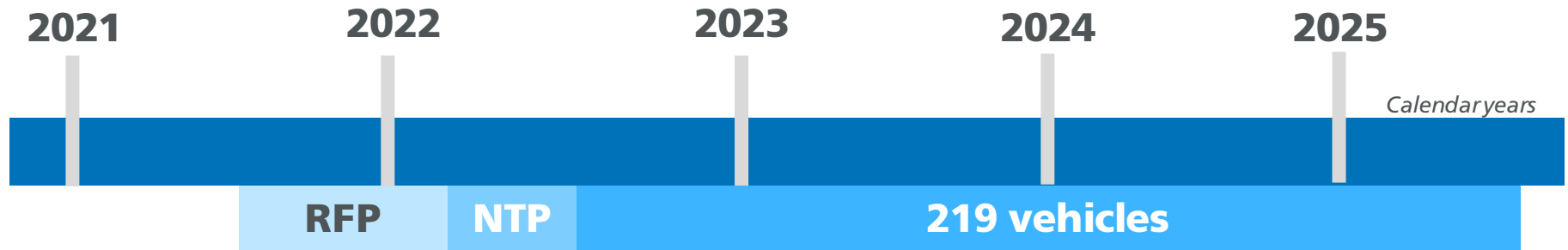
# Contractor Selection

- June 16, 2021, issued a Request for Proposals (RFP)
- September 30, 2021, SFMTA received one responsive proposal - Complete Coach Works (CCW)
- Reviewed proposal and negotiated with CCW
- CCW (Riverside, CA) specializes in overhaul work, has 35 years of experience, and has worked with SFMTA previously





# Mid-Life Overhaul Schedule



- Obtain approval from SFMTA Board and BOS
- Issue Notice-To-Proceed (NTP) in 2<sup>nd</sup> quarter of 2022
- 40 days per vehicle
- 15-20 vehicles in overhaul process at a time
- 8-12 vehicles completed per month
- Completion date for all 219 vehicles by mid 2025

# SFMTA Board Action

Requesting approval for SFMTA to enter into a Contract with CCW in the amount of \$101,659,122.25 to overhaul 219 coaches (40ft and 60ft Hybrid Electric Coaches and 60ft Electric Trolley Coaches)



# Thank You

