

#### Intro/Policy Goals

**Plan for the Future** 

**Engage Communities** 

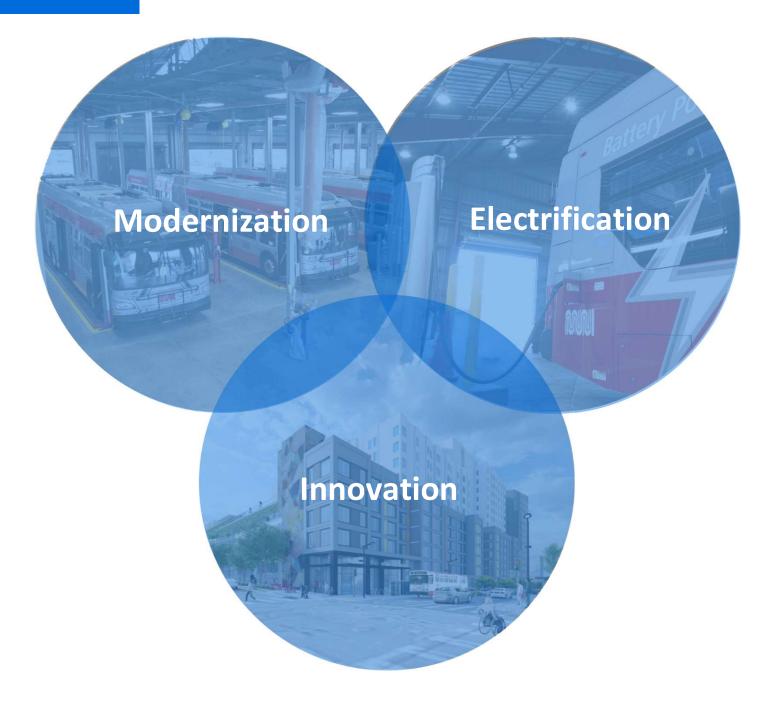
Fund and Rebuild Facilities

Repair and Modernize Facilities

**Deliver** 

Started in 2017, the **Building Progress Program is a multi-billion** planning and capital program to repair, renovate and modernize the SFMTA's aging facilities that support Muni transit service, paratransit service, street infrastructure and other critical functions that keep the city moving.

## Core Program Areas



#### State of Good Repair

Stations

14

Buildings\*

31

Acres of Land

60

Building Sq. Feet

1.9 M

Building Value

\$2.8 B

Backlog Value

\$1.0 B

Stations Value

\$4.5 B

Backlog Value

\$0.7 B

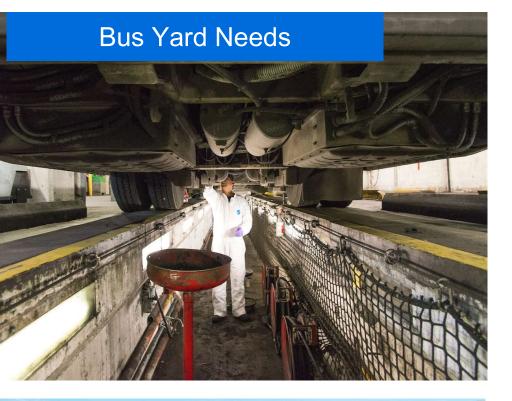
Sources:

2017 SFMTA Facilities Framework 2023 SFMTA State of Good Repair Report

\*Building and acres do not include operator restrooms or parking garages and lots

Investment and rehabilitation in the SFMTA's facilities takes on one of the agency's biggest State of Good Repair challenges.

Facilities one of the highest asset investment backlogs.





# **Bus Yard Modernization Needs**

- Two are over 100 years old
- Too small to meet fleet growth, require seismic safety upgrades, staff work in outdated space
- Low State of Good Repair ratings

Poor

Very Poor Kirkland Potrero Presidio

State of Good Repair

Modernize the SFMTA facilities to meet the needs of all who travel in San Francisco.

Resiliency

Improve the SFMTA facilities resiliency to seismic events and climate change

Community

Make the SFMTA a better neighbor where transit facilities are located.

**2017 Facilities Framework** 



State of Good Repair

Modernize the SFMTA facilities to meet the needs of all who travel in San Francisco.

Resiliency

Improve the SFMTA facilities resiliency to seismic events and climate change

Community

Make the SFMTA a better neighbor where transit facilities are located. Compliance

Meet regulatory requirements related to fleet electrification.

**NEW in 2024** 

**2024 Facilities Framework** 



#### SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY FACILITIES MAP

San Francisco Municipal Transportation Agency has facilities for its administration, transit fleets, streets/enforcement, and support functions. For clarity the facilities are grouped by function and typically referred to by their street names in the list below and throughout the report.

REVISED - APRIL 2024

#### **LEGEND** Current Facility ADMINISTRATION AND SUPPORT Future Facility TRANSIT STREETS SFMTA Headquarters (1,094) Number of staff at site

- **ADMINISTRATION**
- South Van Ness | SFMTA Headquarters / Main Office 1 & 11 South Van Ness Avenue (1,339) includes 209 crossing guards
- Central Subway Office | Central Subway Project Office 530 Bush Street #400 (20+ Consultant staff)
- TMC | Transportation Management Center / Central Dispatch 1455 Market Street (162)

#### **BUS & TROLLEY BUS**

- Flynn | Bus Facility
- Islais Creek | Bus Facility 1301 Cesar Chavez Street (248)
- Kirkland | Bus Facility with Limited Maintenance Capability 2301 Stockton Street & 151 Beach Street (338)
- Woods | Bus Facility, Service Motor & Trolley Component Rebuild E-Bus Pilot, Carpentry Shop, Bus Body & Paint, Machine Unit Repai 1001 22nd Street 1095 Indiana Street / 40 Tubbs Street (856)
- Potrero | Trolley Bus Facility, Farebox Shop, Street Ops. Training 2500 Marinosa Street (465)
- Presidio | Trolley Bus Facility / Operator Training / File Storage Storage of Operating & Non-Operating Historic Buses 949 Presidio Avenue / 2640 Geary Boulevard (478)

#### RAIL

- Cable Car Barn | Cable Car Facility & Museum
- Cameron Beach | Streetcar Facility for Paint & Body 2301 San Jose Avenue (30)
- Green | Light Rail Vehicle Facility, Rail Component Rebuild 2200 San Jose Avenue (438)
- Green Annex | Maintenance & Operations Offices, Electronics Shop, Radio Shops 425 Geneva Avenue (78)
- Muni Metro East (MME) Light Rail & Streetcar Facility Truck Shop, Rail Operator Training, Rail Signal Shop, Muni Rail Operations (MRO) & Street Operations 601 25th Street (182)

#### **PARATRANSIT**

- Tunnel \* 575 Tunnel Avenue, Brisbane, CA
- Industrial \* 290 Industrial Way, Brisbane, CA

Brisbane 14 15

#### **STREETS**

- Bancroft | Sign Shop, Temporary Sign Shop, Paint Shop, Parking Meter Shop 1508 Bancroft Avenue (77)
- Bayshore | Long Term Tow & Storage, Traffic Signal Shop, Video Shop and Quality Assurance 2650 Bayshore Boulevard, Daly City, CA (60)
- Yosemite | Paint Shop & Non-Revenue Vehicle Parking
- Enforcement 505 7th Street | Security, Investigations and **Enforcement Headquarters** 505 7th Street (315)
- 19A Enforcement 6th St. | Parking / Traffic Control Vehicle Parking
- Enforcement Dispatch 10th St. | Parking Control / Offices 571 10th St. (17)
- Enforcement 2323 Cesar Chavez | Street Sweeping Traffic Unit 2323 Cesar Chavez Street (33)
- Enforcement 1200 15th Street | Interim PCO Sub-office (Future Enforcement Headquarters Location) 1200 15th Street (24)

#### TRANSPORTATION & SERVICE SUPPORT

- Lenox (Central Control) | Transit Control, TMC Backup
- Marin | New Bus Acceptance Facility / Misc. Storage / Track Maint. of Way Storage 1399 Marin Street (77)
- Burke | Central Warehouse and Overhead Lines Repair 1570/1580 Burke Ave (43)
- 700 Penn | Building & Grounds Offices, Carpentry, Electric & Machine Shops, Fleet Engineering, MTAP 700 Pennsylvania Avenue (138)
- Scott | Non-Revenue Vehicle Maintenance & Parking 1849 Harrison Street (24)
- Power Control Center | Electricity Distribution to Transit 2502 Alameda Street (23)
- Cow Palace | Storage of Non-Operation Historic Vehicles 2600 Geneva Avenue, Daly City, CA (0)
- 6th & Berry | Maintenance of Way Storage / Misc. Storage 6th and Barry Street (no address but approx. 400 Berry St.) (0)
- 890 Penn | Transit Division Shops and Vehicle Storage 890 Pennsylvania Avenue (5)
- Seawall Lot 344 Misc. Storage 799 Amador Street - (Seawall Lot 344 (0)

Boxes are sites or services in 2024 Facilities Framework

Daly City 29





\* Exact location not shown on map. Located outside San Francisco city limits.

\*\* Site #22 is not shown, because site is no longer in service.

# Each bus yard converted or rebuilt to meet goals

**Battery Electric Bus Conversion** 

Kirkland Yard\*

Islais Creek (IC) Yard\*

**Other Projects** 

Woods & IC Pilots\*
Muni Metro East\*
Marin\*

\*In SFMTA FY 25-29 Capital Improvement Program

Rebuild Projects<sup>^</sup>

Potrero Yard \*
Electric Trolley Bus

Presidio Yard\*
Battery Electric Bus

Flynn Yard Battery Electric Bus

Woods Yard
Battery Electric Bus

^Any rebuild may include paratransit (or new location) & joint development



### First:

Maintain current bus fleet size through Flynn and gradually replaces hybrid buses with battery electric buses

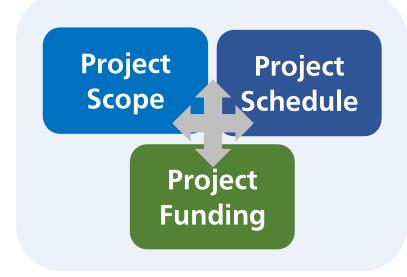
#### Then:

Increase bus fleet by ~20-30% following completion of Woods, the last bus yard project\*

# Bus procurements are coordinated with bus yard projects:

- Projects are sequential to maintain fleet capacity while yards are closed for conversion or rebuilding.
- Bus procurements follow yard project completions.

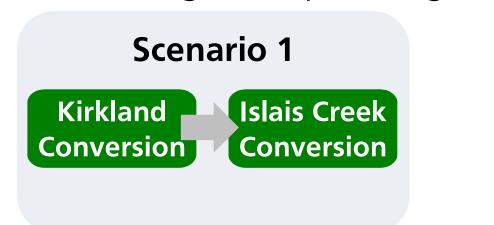
<sup>\*</sup> Bus capacity could increase sooner if an additional level(s) is added to Presidio or Flynn



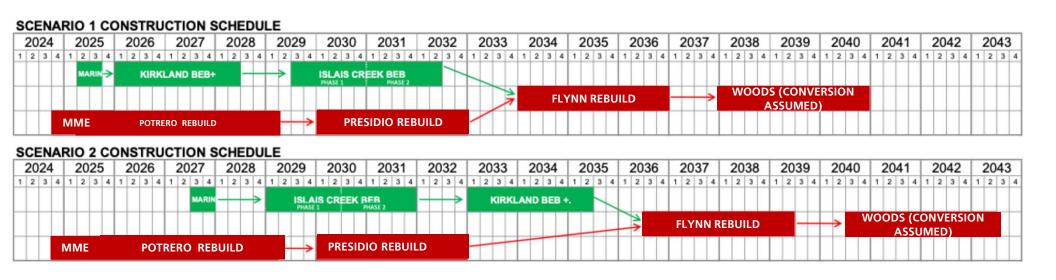
# The bus yard projects are large, complex, costly and have risks:

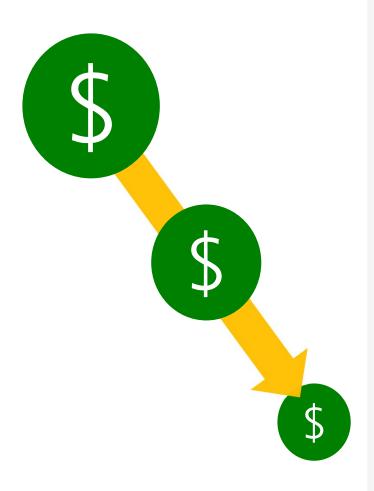
- Funding shortfalls
- Regulatory approvals
- PG&E capacity and timing
- Evolving building codes related to electric vehicles

Given risks, the plan includes **implementation scenarios** with changed sequencing of conversion projects.









# Facilities Framework is a living document. We are learning, iterating and adapting:

- Regular internal coordination
- Pilot projects inform conversions
- Potrero Yard inform rebuilds
- File PG&E applications early
- Funding advocacy
- Joint Development Program





#### **Bus Yard Projects Summary**

Marin

Location: 1399 Marin Street

Site: 3.2 acres Building: 27,000 sf

Ownership: SFMTA leases from SF Port

Current Use: bus acceptance

Facility Plan: Lightly upgrade for interim hybrid bus parking as well as

bus acceptance

Potrero

Location: 2500 Mariposa Street

Site: 4.4 acres

Building: 109,000 sf, built 1914, renovated 1990 Ownership: City owns; SFMTA has jurisdiction Current Use: 40 and 60-foot trolley bus yard

Facility Plan: Rebuild as a 40 and 60-foot trolley bus vard with more capacity, joint development, and possibly paratransit BEV yard.

Kirkland

Location: 2301 Stockton Street and 151 Beach Street

Site: 2.6 acres

Buildings: built c. 1950

Ownership: City owns; SFMTA has jurisdiction

Current Use: 40-foot hybrid bus yard

Facility Plan: Convert to 40-foot BEB yard and complete select up-

grades.

Presidio

Location: 949 Presidio Avenue

Site: 5.4 acres

Buildings: 158,000 sf, built 1912

Ownership: City owns; SFMTA has jurisdiction

Current Use: 40-foot trolley bus yard

Facility Plan: Rebuild as a 40 and 60-foot BEB yard with more capaci-

ty, joint development, and possibly paratransit BEV yard

Islais Creek

Location: 1301 Cesar Chavez

Site: 8.3 acres plus 0.3 open space along water

Building: 18,200 sf built in 2012 and 65,000 sf built in 2017

Ownership: City owns; SFMTA has jurisdiction over property east of Interstate 280 and leases property under and west of interstate from

Caltrans

Current Use: 60-foot hybrid bus yard

Facility Plan: Modify for 60-foot BEB pilot and convert to BEB yard

Flynn

Location: 1940 Harrison Street and 1941 Harrison Street

Site: 6.2 acres and 4800 sf

Building: 266,000 sf built in 1941. City acquired and renovated in 1989

Ownership: City owns; SFMTA has jurisdiction

Current Use: 60' hybrid bus yard

Facility Plan: Rebuild as a 40 and 60-foot BEB yard with more capaci-

ty, joint development, and possibly paratransit BEV yard.

Muni Metro East Expansion Area

Location: 601 25th Street

Site: 4-acre parcel adjacent to 13-acre MME vard Ownership: City owns; SFMTA has jurisdiction

Building: Undeveloped parcel

Current Use: Some material storage

Facility Plan: Upgrade for interim bus storage, then could expand light

rail yard

Woods

Location: 1095 Indiana Street and 1001 22nd Street

Site: 8.2 acres

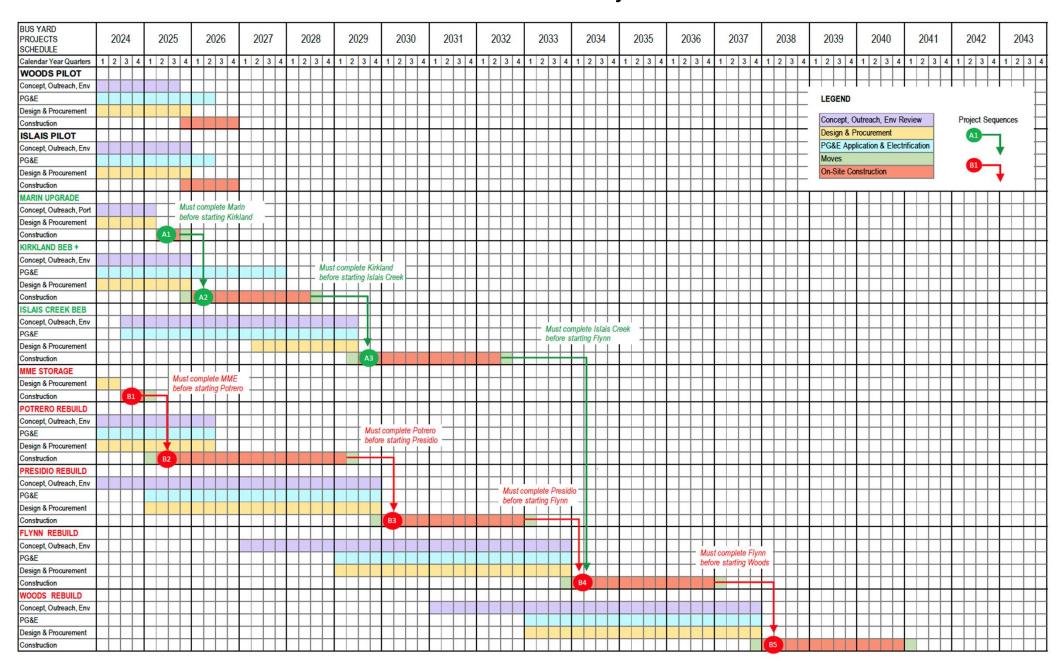
Building: 158,000 sf opened 1974-1978

Ownership: City owns; SFMTA has jurisdiction

Current Use: 40-foot hybrid bus yard and specialized maintenance facility Facility Plan: Modify for 40-foot BEB pilot and either convert to BEB yard or rebuild as a 40 and 60-foot BEB yard with more capacity, joint

development, and possibly paratransit BEV yard.

## Scenario 1 Bus Yard Projects Schedule



#### Fleet Transition and Facilities Timing

- Battery Electric Buses (BEB)Electric Trolley Buses (ETB)
- Hybrid Buses (HB)



BEB Pilots

■ BEB Conversion

■ Rebuild

Schedule based on Scenario 1



#### **Needs and Goals**



2022 SFMTA Rollout Plan, showing an ABB pantograph

# **Electrification Needs**

- State and SFMTA policy requires redeveloping facilities to support transitioning an all-electric fleet.
- The California Air Resources Board's Innovative Clean Transit regulation mandates a 100% zero emissions fleet by 2040.
- Transitioning to battery-electric buses requires:
  - Charging infrastructure
  - New electrical service
  - Grid improvements (dependent on utility partners, SFPUC and PG&E)



Our facility replacement program is pay-go. We cannot transition to zero emission fleets without the facilities.

Federal Bipartisan Infrastructure Law increased funding, but:

- It expires in 2026
- Fleet has been priority over facilities

Potrero, Kirkland and Presidio Projects reapplying for FTA grants

- Potrero: Bus/Bus Facilities
- Kirkland: Low No Emissions
- Presidio: RAISE Planning (notice of award on 4<sup>th</sup> try in Jan. 2025)