



SFMTA

# 2021 SFMTA 20-Year Capital Plan

Policy and Governance Committee

September 28, 2021

# Purpose of Presentation

- Provide overview of Capital Plan
- Provide overview of how Capital Needs are developed
- Provide overview of how Capital Plan is used for decision-making

# Overview of 20-Year Capital Plan



## Strategic Plan

- Values for the Transportation System
- Agency Values define our investments

## Capital Plan

- 20-year horizon
- Funding not committed
- Broadly-defined investments with description, timeframe, & cost estimate

## Capital Improvement Program

- 5-year horizon
- At least 90% funding committed
- Specific projects with defined scope, schedule, & budget

# How are Capital Needs developed?

A Capital Need is “A concept for a Capital Project included in the Capital Plan and has a planning-level scope, schedule and cost estimate.”

# Where do Capital Needs come from?



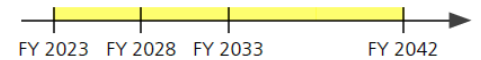
# Example Capital Need

## Motor Coach Replacement (Program)

**Capital Need ID** CN-FT07

**Estimated Cost** \$1,901.9M

**Timeframe**



**Investment Type** Restore

**Description** Entails the replacement of 564 (616) standard and articulated motor coaches with battery electric buses after 2025. This program seeks to replace the existing fleet and future confirmed expansion vehicles to a state of good repair, replacing old equipment with the latest and most advanced zero-emissions technology available. Replacement every 12 years. Potential further expansion of 110 additional coaches would also require one replacement cycle.

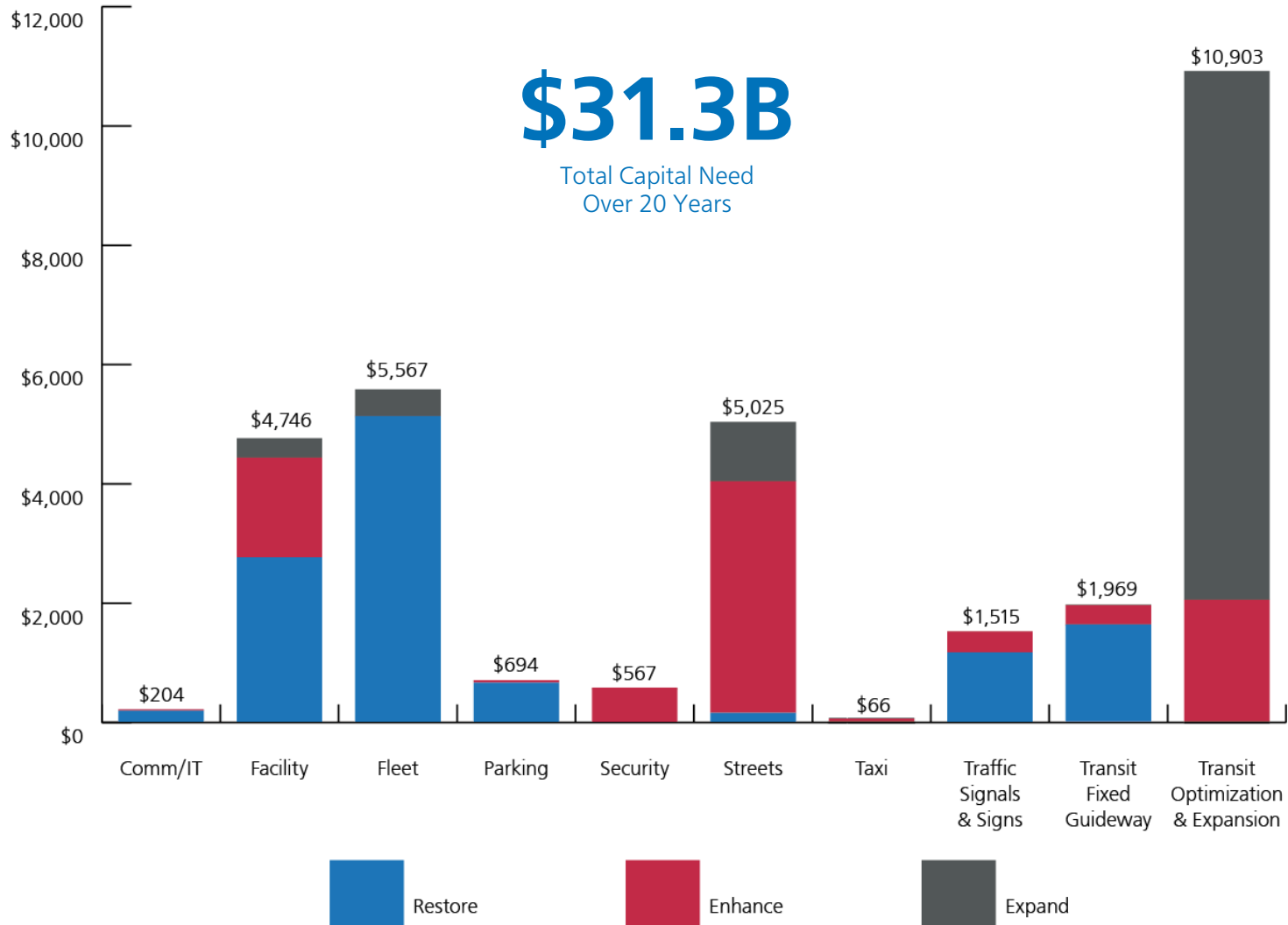
**Justification** The new coaches will offer greater reliability and safety with enhanced transmission-based brake retarders, composite materials, slip resistant flooring, and better mirrors. As a result, this project will improve agency safety and security, as well as improved transit reliability, on-time efficiency, and customer satisfaction. Replacement vehicles purchased: 66 30-foot vehicles; 657 40-foot vehicles; and 436 60-foot vehicles.

# How we estimate capital costs in the Capital Plan

- Based on past similar work, including recent contracts.
- Based on information gathered from specific studies or planning documents.
- Based on cost per unit from existing assets.
- Escalated over time to account for inflation.

# Capital Needs by Capital Program

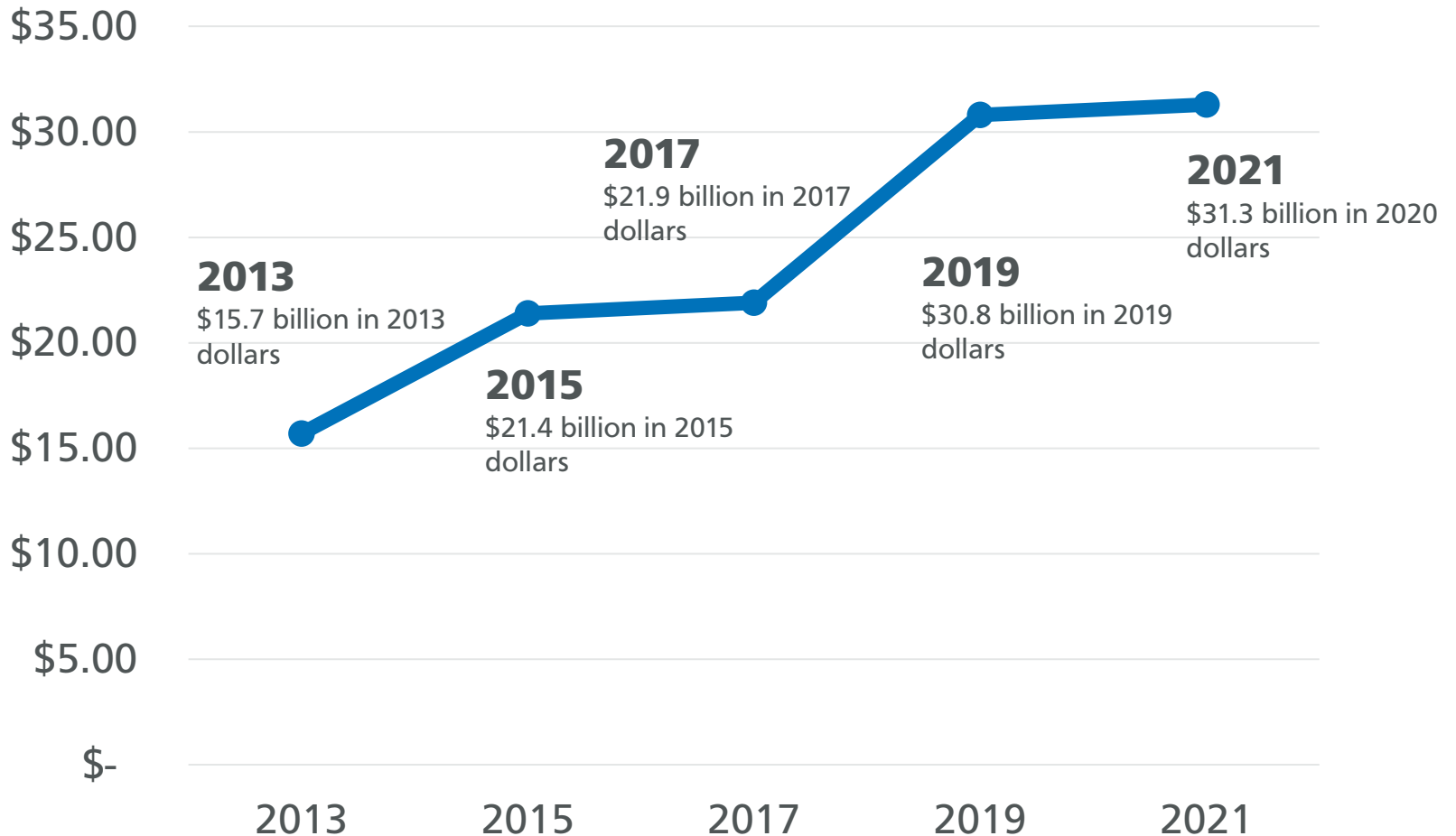
(In \$ Millions)



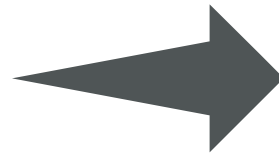


# Capital Plan Over the Years

Capital Need Total by Year  
(in billions for corresponding year)



# How is the Capital Plan used for decision-making?

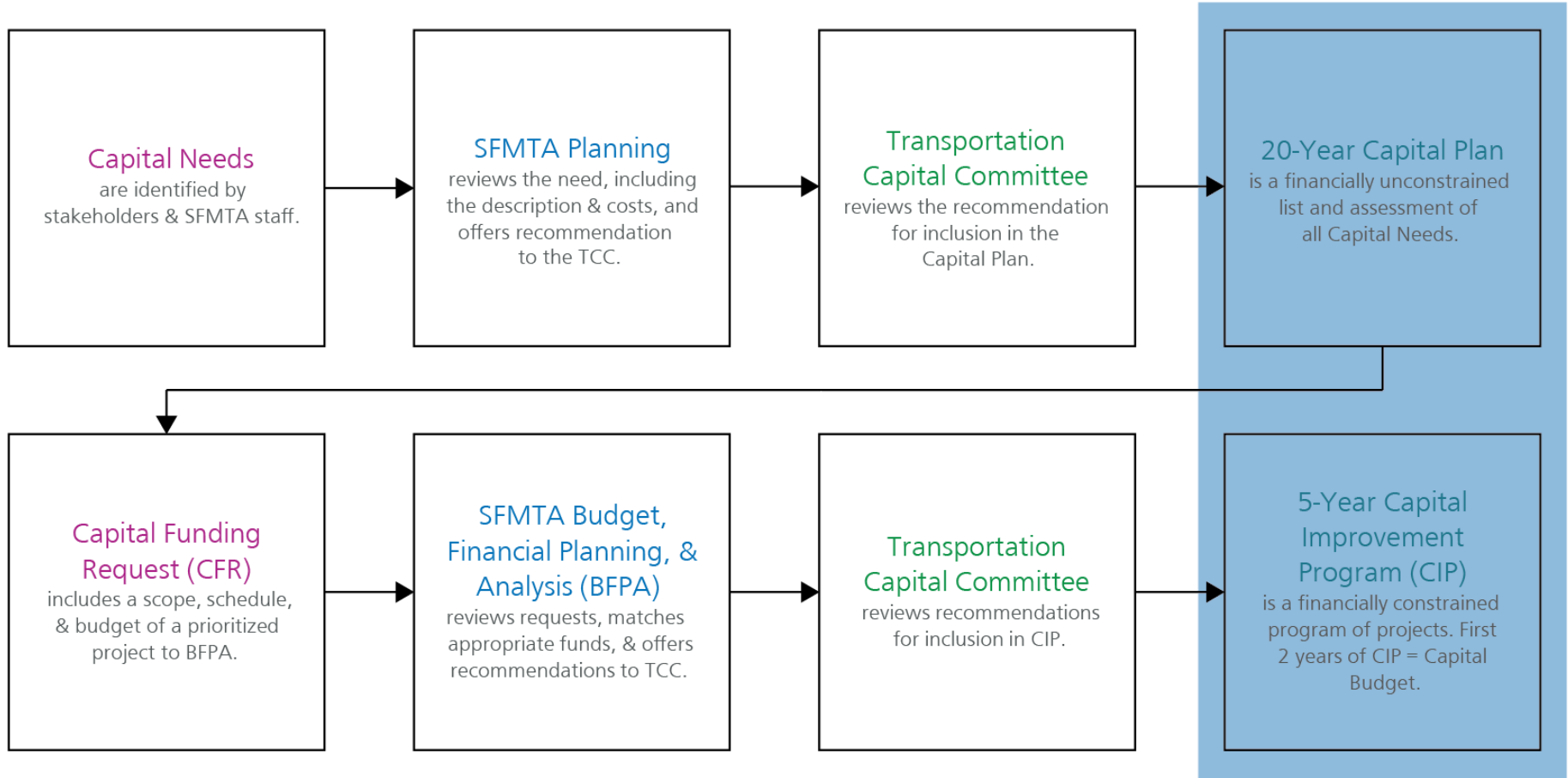


# How do we use the Capital Plan after it is approved?



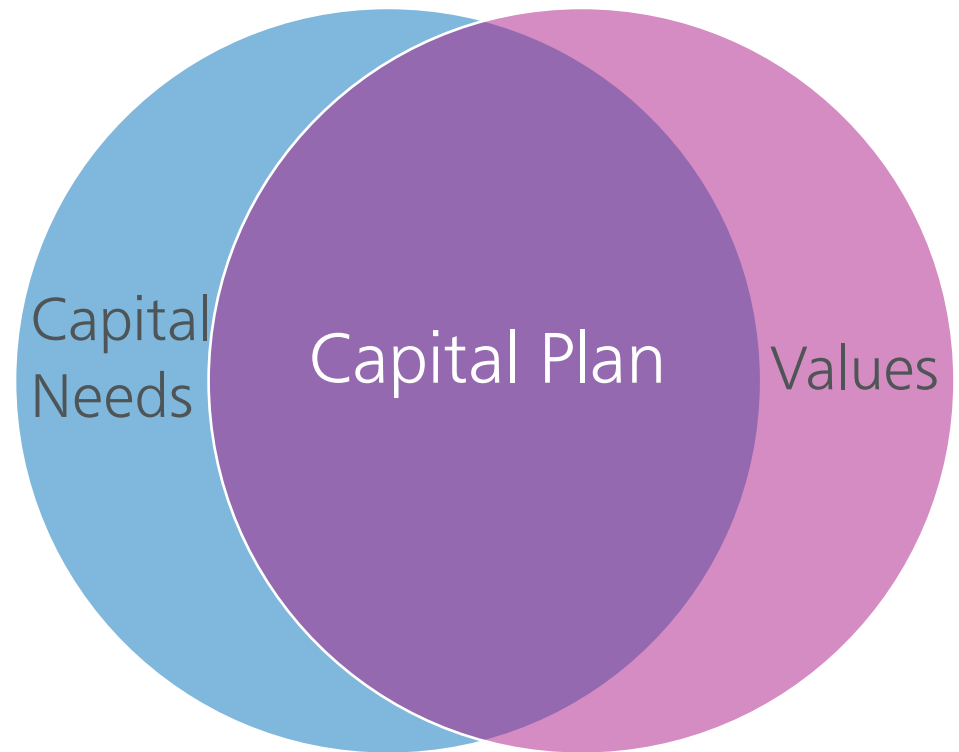
# SFMTA Capital Planning and Project Development Process

SFMTA Board Approves



# Next Steps

- Assess Capital Needs based on Strategic Plan Values
- Incorporate Capital Needs assessment into Capital Plan
- Seek SFMTA Board approval of full Capital Plan



# Questions?

