



ALAMEDA COUNTY TRANSPORTATION COMMISSION

New Mobility Framework



A Presentation to the Alameda County Transportation Commission
June 25, 2020

Presentation Overview

- Background
- Key Outcomes of the Framework
- New Mobility Goals
- Example Smart Strategies
- Next Steps

Background

- The New Mobility Framework is being developed to facilitate implementation of emerging transportation technologies and services in Alameda County.
- The Framework constitutes the technology policy element of the 2020 Countywide Transportation Plan.
- Development of the Framework is being guided by a Technology Working Group (TWG) comprised of members of local jurisdictions from each Planning Area and transit agencies.



Key Outcomes of the Framework

How will Alameda CTC use this Framework?

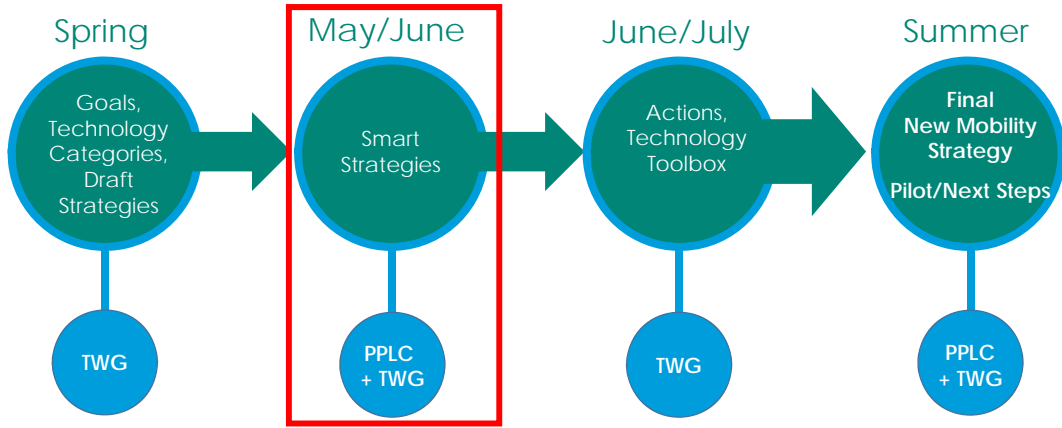
- Inform agency work plan
- Resource for jurisdictions and agencies
- Guidance and coordination on technology-related issues

What are key outcomes of the framework?

- A consolidated set of strategies for addressing new mobility
- A catalogue of actions to consider for implementing the strategies
- Additional resources for technology implementation and planning



Framework Schedule



Framework Elements

Goals

(Countywide Plans)

- Multimodal & High Occupancy
- Safety
- Environment
- Equity & Accessibility
- Service Quality
- Cost-efficiency
- Connectivity
- Economy
- Data-sharing & Security

Technology Categories

- Connected
- Electric
- Shared
- Autonomous
- Data

Strategies

(Opportunities & Risks)

- Actions
- Policies
- Programs
- Projects

Desirable outcome



New Mobility Goal **Goal Statement**

Multimodal and High-occupancy

Complement public transit and shared trips, and support active transportation, by providing convenient travel options while considering the urban, suburban and rural contexts of Alameda County.

Safety Environment

Improve traveler safety and reduce conflicts between modes.

Support system and environmental sustainability, promote convenient non-auto modes, and reduce vehicle miles traveled.

Equity and Accessibility

New mobility services should advance equity through Alameda County’s diverse populations, be easily accessible and affordable for all travelers, and distributed appropriate to the local context throughout the County.

Service Quality

Support and complement convenient and reliable public transit options and offer high quality travel options to promote a high quality of life for community members.



New Mobility Goal

Goal Statement

Cost-efficiency

Promote a positive fiscal impact on infrastructure investments and delivery of publicly-provided transportation services

Connectivity

Improve connections across jurisdictions, promote efficient goods movement, offer seamless connectivity through improved modal transfers, and better connect and integrate land use, housing, jobs and transportation.

Economy

Support vibrant communities and engage in fair labor practices.

Data Sharing and Security

Engage and collaborate to share all relevant data to improve the transportation system and agency efficiency, and protect the traveling public and infrastructure from cyber security threats.



Smart Strategies

Our approach for advancing the goals

Smart Strategy: Broad approaches to address the anticipated opportunities and risks posed by the new mobility technologies and services.

Opportunity ←————→ Risk

Promote the opportunities brought by advances in technology and mobility

Mitigate the risks associated with advances in technology and mobility



Smart Strategies

Our approach for addressing the goals

- Strategies are **outcome oriented**.
- Strategies build on CTP work, and were developed to **support identified goals**.
- Most strategies will address **more than one goal** (cross-cutting).
- Each strategy will be **supported by a series of actions** (policies, programs, or projects) that will lead to the realization of the strategy.



Example Smart Strategy

Goal: Multimodal and High Occupancy

Use advances in technology to improve the effectiveness, affordability, and ease of access to transit



Example Smart Strategy

Goal: Safety

Ensure new mobility services and technologies are safe for travelers and all other users of the right of way



Example Smart Strategy

Goal: Environment

Promote the electrification of the vehicle fleet



Example Smart Strategy

Goal: Cost-Efficiency

Maximize utility of existing infrastructure



Example Smart Strategy

Goal: Connectivity

Facilitate communication, agreements, and partnership between agencies and jurisdictions operating within the county



Summary Comments from PPLC and ACTAC

- Equity is critical: ensure the framework addresses equity proactively and appropriately.
- Be sure to address:
 - Goods movement and delivery strategies to reduce impacts while supporting the economy
 - Curb management strategies
 - Pricing as a tool to guide transportation behavior and choices
 - Importance of a level playing field between private mobility operators and transit
 - Role of Alameda CTC regarding advocacy and coordinating legislative agenda



Next Steps

What will happen next?

- Work with TWG to finalize strategies
- **Develop actions** (policies, programs, projects/pilots) to support the strategies
- Develop a **“toolkit” of best practices** for member communities and agencies to use when implementing technology projects
- Bring to **Commission in the fall**



New Mobility Goals

Multimodal and High-occupancy	Cost-efficiency
Safety	Connectivity
Environment	Economy
Equity and Accessibility	Data Sharing and Security
Service Quality	



Questions?

