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

Spring
- Goals, Technology Categories, Draft Strategies

May/June
- Smart Strategies
  - TWG
  - PPLC + TWG

June/July
- Actions, Technology Toolbox
  - TWG

Summer
- Final New Mobility Strategy Pilot/Next Steps
  - PPLC + TWG

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 Framework

<table>
<thead>
<tr>
<th>New Mobility Goal</th>
<th>Goal Statement</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Multimodal and High-occupancy</strong></td>
<td>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.</td>
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<tr>
<td><strong>Safety</strong></td>
<td>Improve traveler safety and reduce conflicts between modes.</td>
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<tr>
<td><strong>Environment</strong></td>
<td>Support system and environmental sustainability, promote convenient non-auto modes, and reduce vehicle miles traveled.</td>
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<tr>
<td><strong>Equity and Accessibility</strong></td>
<td>Be easily and equitably accessible to all travelers, including disadvantaged populations.</td>
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<td><strong>Service Quality</strong></td>
<td>Support and complement convenient and reliable public transit options and offer high quality travel options.</td>
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<td><strong>Cost-efficiency</strong></td>
<td>Promote a positive fiscal impact on infrastructure investments and delivery of publicly-provided transportation services</td>
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<tr>
<td><strong>Connectivity</strong></td>
<td>Improve connections across jurisdictions, offer seamless connectivity through improved modal transfers, and better connect and integrate land use, housing, jobs and transportation.</td>
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<td><strong>Economy</strong></td>
<td>Support vibrant communities and engage in fair labor practices.</td>
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<tr>
<td><strong>Data Sharing and Security</strong></td>
<td>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.</td>
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</table>
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.

<table>
<thead>
<tr>
<th>Opportunity</th>
<th>Risk</th>
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<tbody>
<tr>
<td>Promote the opportunities brought by advances in technology and mobility</td>
<td>Mitigate the risks associated with advances in technology and mobility</td>
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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


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**Example Smart Strategy**

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

*Image of scooters.*
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.

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<th>Cost-efficiency</th>
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</table>
**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

**Questions?**
Backup Slides

Actions

• Policies, programs, or projects that are intended to support the identified strategies

• Actions generated through “strategy-down” and “action-up” approach

• Each action will have a timeframe, implementation role and responsibility, and a description of how the action supports the strategy(s)
Example: **Electrification**

**Goals**
- Environment
- Cost-Efficiency

**Strategies**
- Promote the electrification of the vehicle fleet
- Maximize utility of existing infrastructure
- Identify infrastructure risks brought by advances in new mobility and technology
- Consistent infrastructure standards across communities

**Electrification Strategy**

- Connected
- Electric
- Technology Category

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Example: **Mobility Hub**

**Goals**
- Multimodal and High Occupancy
- Connectivity
- Economy

**Strategies**
- Better connect travelers to transit
- Promote a full mobility ecosystem
- Improve access to transit
- Promote frictionless mobility
- Provide better level of service, experience, and reduced cost for transit passengers
- Create agility and flexibility in using of new technologies

**Mobility Hub**

- Connected
- Shared
- Electric
- Technology Category
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