

Metropolitan Transportation

Commission

Bay Area Metro Center 375 Beale Street San Francisco, CA 94105

Meeting Agenda

Policy Advisory Council Fare Coordination and Integration Subcommittee

Adina Levin, Chair Wendi Kallins, Vice Chair

	Members			
Bob Allen, Zack Deutsch-Gross, Anne Olivia Eldred,				
Christina Gotuaco, Ian Griffiths, Tisha Dee Hartman,				
Richard Hedges, Jonathon Kass, Gwen Litvak,				
Monica Mallon, Adrian Mendoza, and Brian Stanke				
Friday, September 10, 2021	2:00 PM	Yerba Buena - 1st Floor (REMOTE)		

In light of Governor Newsom's State of Emergency declaration regarding the COVID-19 outbreak and in accordance with Executive Order N-29-20 issued by Governor Newsom on March 17, 2020 and the Guidance for Gatherings issued by the California Department of Public Health, the meeting will be conducted via webcast, teleconference, and Zoom for Fare Coordination and Integration Subcommittee members who will participate in the meeting from individual remote locations. A Zoom panelist link for meeting participants will be sent separately to Fare Coordination and Integration Subcommittee members.

The meeting webcast will be available at http://mtc.ca.gov/whats-happening/meetings Members of the public are encouraged to participate remotely via Zoom at the following link or phone number. Fare Coordination and Integration Subcommittee Members and members of the public participating by Zoom wishing to speak should use the "raise hand" feature or dial *9. When called upon, unmute yourself or dial *6. In order to get the full Zoom experience, please make sure your application is up to date. Attendee Link: https://bayareametro.zoom.us/j/85810553149 Telephone (Toll Free) US: 877 853 5247 or 888 788 0099 Webinar ID: 858 1055 3149 International numbers available: https://bayareametro.zoom.us/u/kcOXM8NdHv Detailed instructions on participating via Zoom are available at: https://mtc.ca.gov/how-provide-public-comment-board-meeting-zoom

Members of the public may participate by phone or Zoom or may submit comments by email at info@bayareametro.gov by 5:00 p.m. the day before the scheduled meeting date. Please include the committee or board meeting name and agenda item number in the subject line. Due to the current circumstances there may be limited opportunity to address comments during the meeting. All comments received will be submitted into the record.

The Policy Advisory Council advises the Metropolitan Transportation Commission on transportation policies in the San Francisco Bay Area, incorporating diverse perspectives relating to the environment, the economy, and social equity.

1. Welcome

Adina Levin, Policy Advisory Council Fare Coordination and Integration Subcommittee Chair

2. Roll Call / Confirm Quorum

Quorum: A quorum of this committee shall be a majority of its regular non-ex-officio voting members (8).

- 3. <u>21-1050</u> Minutes of the August 2, 2021 Meeting
 - Action: Subcommittee Approval

Attachments: 03 FCI Minutes Aug 2 2021.pdf

4. <u>21-1051</u> Fare Coordination / Integration Study and Business Case Project Status Update

Project update and preliminary recommendations for discussion.

Information
William Bacon, MTC Co-Project Manager
Michael Eiseman, BART Co-Project Manager

Attachments: 04 Presentation.pdf

5. New Business

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Members of the subcommittee may bring up new business for discussion or addition to a future agenda.

6. Public Comments / Other Business

Note: The subcommittee will not take action on items not listed on today's agenda.

Policy Advisory Council Fare Coordination and Integration Subcommittee Members and members of the public participating by Zoom wishing to speak should use the "raise hand" feature or dial *9. When called upon, unmute yourself or dial *6.

7. Adjournment / Next Meeting

The next meeting of the Policy Advisory Council Fare Coordination and Integration Subcommittee will be held Monday, October 4, 2021, at 10:00 a.m. remotely and by webcast as appropriate depending on the status of any shelter in place orders. Any changes to the schedule will be duly noticed to the public. Meeting Agenda

Public Comment: The public is encouraged to comment on agenda items at Committee meetings by completing a request-to-speak card (available from staff) and passing it to the Committee secretary. Public comment may be limited by any of the procedures set forth in Section 3.09 of MTC's Procedures Manual (Resolution No. 1058, Revised) if, in the chair's judgment, it is necessary to maintain the orderly flow of business.

Meeting Conduct: If this meeting is willfully interrupted or disrupted by one or more persons rendering orderly conduct of the meeting unfeasible, the Chair may order the removal of individuals who are willfully disrupting the meeting. Such individuals may be arrested. If order cannot be restored by such removal, the members of the Committee may direct that the meeting room be cleared (except for representatives of the press or other news media not participating in the disturbance), and the session may continue.

Record of Meeting: Committee meetings are recorded. Copies of recordings are available at a nominal charge, or recordings may be listened to at MTC offices by appointment. Audiocasts are maintained on MTC's Web site (mtc.ca.gov) for public review for at least one year.

Accessibility and Title VI: MTC provides services/accommodations upon request to persons with disabilities and individuals who are limited-English proficient who wish to address Commission matters. For accommodations or translations assistance, please call 415.778.6757 or 415.778.6769 for TDD/TTY. We require three working days' notice to accommodate your request.

可及性和法令第六章: MTC 根據要求向希望來委員會討論有關事宜的殘疾人士及英語有限者提供 服務/方便。需要便利設施或翻譯協助者,請致電 415.778.6757 或 415.778.6769 TDD / TTY。我們 要求您在三個工作日前告知,以滿足您的要求。

Acceso y el Titulo VI: La MTC puede proveer asistencia/facilitar la comunicación a las personas discapacitadas y los individuos con conocimiento limitado del inglés quienes quieran dirigirse a la Comisión. Para solicitar asistencia, por favor llame al número 415.778.6757 o al 415.778.6769 para TDD/TTY. Requerimos que solicite asistencia con tres días hábiles de anticipación para poderle proveer asistencia.

Attachments are sent to Committee members, key staff and others as appropriate. Copies will be available at the meeting.

All items on the agenda are subject to action and/or change by the Committee. Actions recommended by staff are subject to change by the Committee.

MTC's Chair and Vice-Chair are ex-officio voting members of all standing Committees.

Metropolitan Transportation



Commission

Bay Area Metro Center 375 Beale Street San Francisco, CA 94105

Meeting Minutes - Draft

Policy Advisory Council Fare Coordination and Integration Subcommittee

Adina Levin, Chair Wendi Kallins, Vice Chair

Members Bob Allen, Mark Cordes, Anne Olivia Eldred, Christina Gotuaco, Ian Griffiths, Tisha Dee Hartman, Richard Hedges, Jonathon Kass, Gwen Litvak, Monica Mallon, Adrian Mendoza, and Brian Stanke

Monday, August 2, 2021 10:00 AM Yerba Buena - 1st Floor (REMOTE)

1. Welcome

2. Roll Call / Confirm Quorum

- Present: 10 Member Eldred, Member Hedges, Vice Chair Kallins, Chair Levin, Member Mendoza, Member Griffiths, Member Litvak, Member Hartman, Member Kass and Member Gotuaco
- Absent: 4 Member Mallon, Member Allen, Member Stanke and Member Cordes

Policy Advisory Council Member Abigail Cochran resigned from the Council effective immediately.

Policy Advisory Council Members Michael Baldini, Richard Burnett and Michelle Hernandez were also in attendance.

3. <u>21-0759</u> Minutes of the March 12, 2021 and May 10, 2021 Meetings

Action: Subcommittee Approval

Attachments: 03i_FCI Minutes_Mar 12 2021.pdf 03ii_FCI Minutes_May 10 2021.pdf

Upon the motion by Member Griffiths and second by Member Eldred, the Minutes of the March 12, 2021 and May 10, 2021 Meetings were approved. The motion carried by the following vote:

- Aye: 7 Member Eldred, Vice Chair Kallins, Chair Levin, Member Griffiths, Member Litvak, Member Hartman and Member Kass
- Absent: 5 Member Mallon, Member Allen, Member Stanke, Member Cordes and Member Gotuaco
- Abstain: 2 Member Hedges and Member Mendoza

Member Gotuaco arrived after the approval of the Minutes of the March 12, 2021 and May 10, 2021 Meetings.

4.	<u>21-0760</u>	Fare Coordination / Integration Study and Business Case Project Status Update and First Look at Recommendations
	Action:	Information
	<u>Presenter:</u>	William Bacon, MTC Co-Project Manager
		Michael Eiseman, BART Co-Project Manager
	<u>Attachments:</u>	04 Presentationpdf

Michael Baldini spoke on this item. Roland Lebrun spoke on this item.

- 5. New Business
- 6. Public Comments / Other Business

Roland Lebrun was called to speak.

7. Adjournment / Next Meeting

The next meeting of the Policy Advisory Council Fare Coordination and Integration Subcommittee will be held Friday, September 10, 2021, at 2:00 p.m. remotely and by webcast as appropriate depending on the status of any shelter in place orders. Any changes to the schedule will be duly noticed to the public.



Policy Advisory Council Subcommittee on Fare Coordination/Integration September 10, 2021

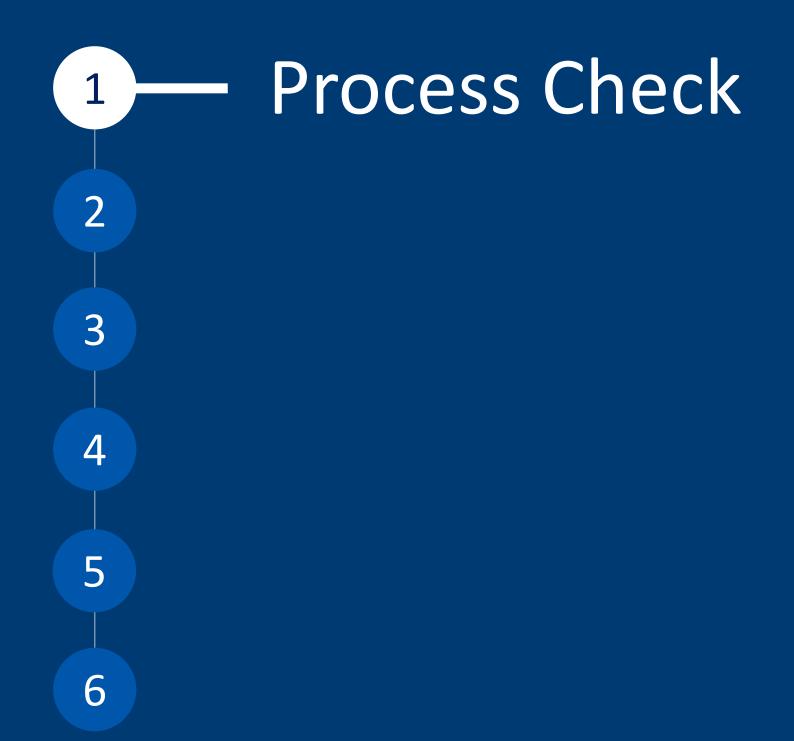


Overview



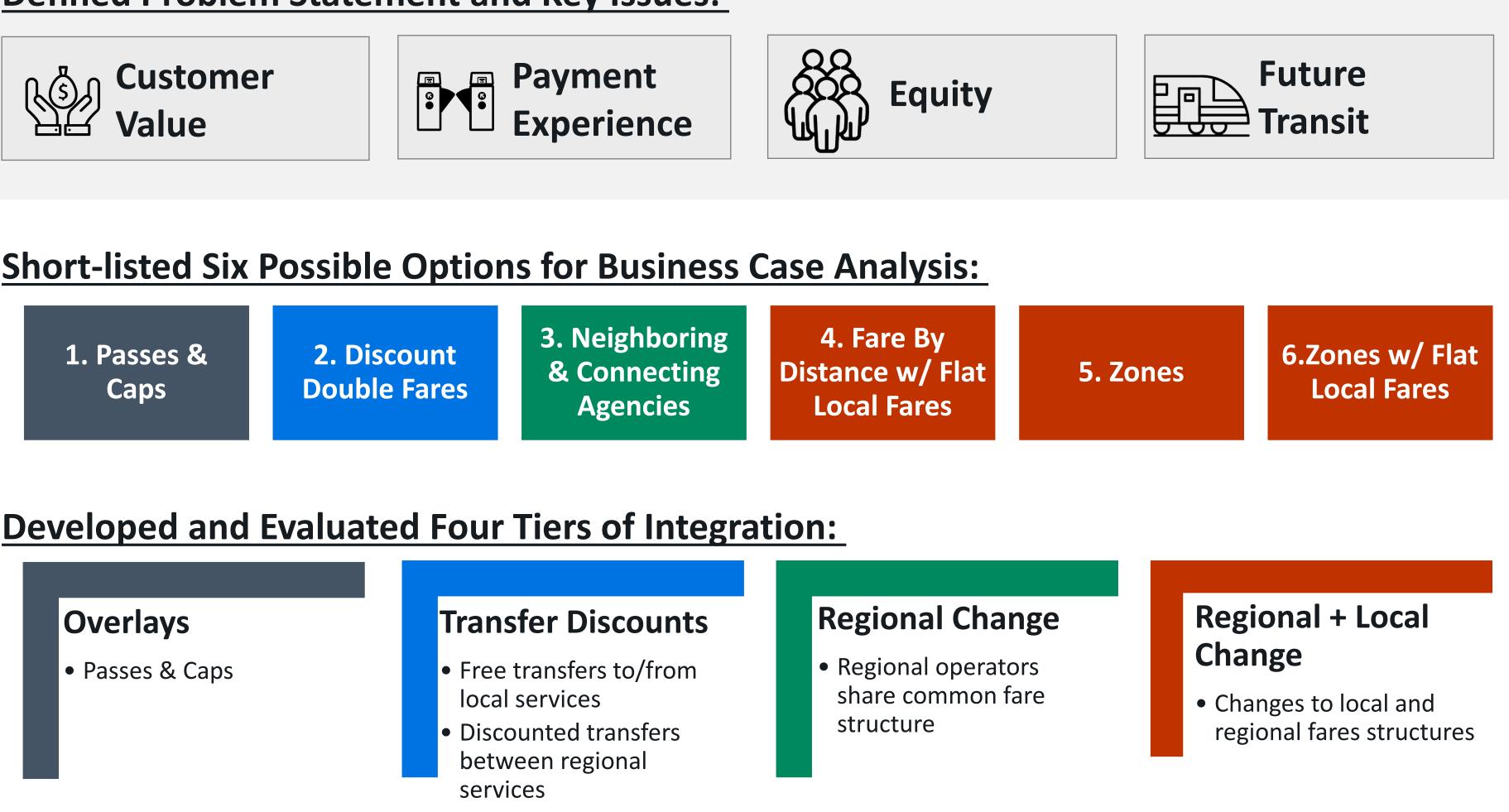




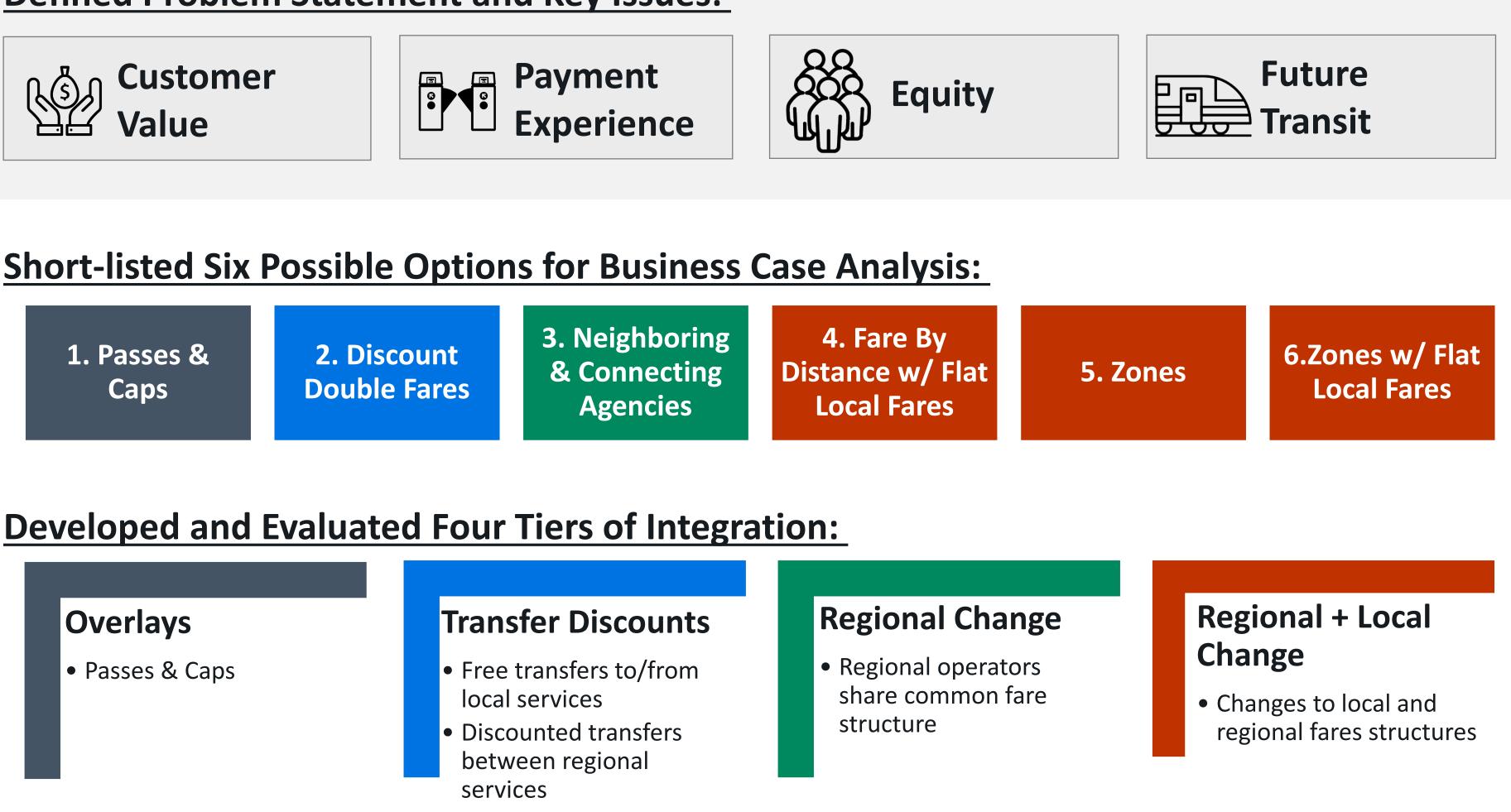


Where have we been

Defined Problem Statement and Key Issues:



1. Passes & Caps	2. Discount Double Fares	3. Neighboring & Connecting Agencies	4. Fare Distance w Local Fa
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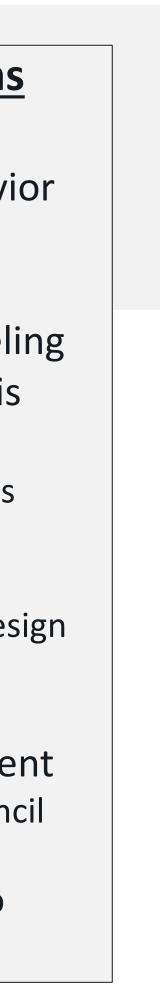


Key Work Streams

- **Regional Travel Behavior** Analysis
- Peer Regions Review
- Travel Demand Modeling
- **Business Case Analysis**
- User Research
 - Narrative Workshops
 - 1-1 Interviews
 - SenseMaker Survey
 - Prototyping & Co-design activities
 - Focus Group

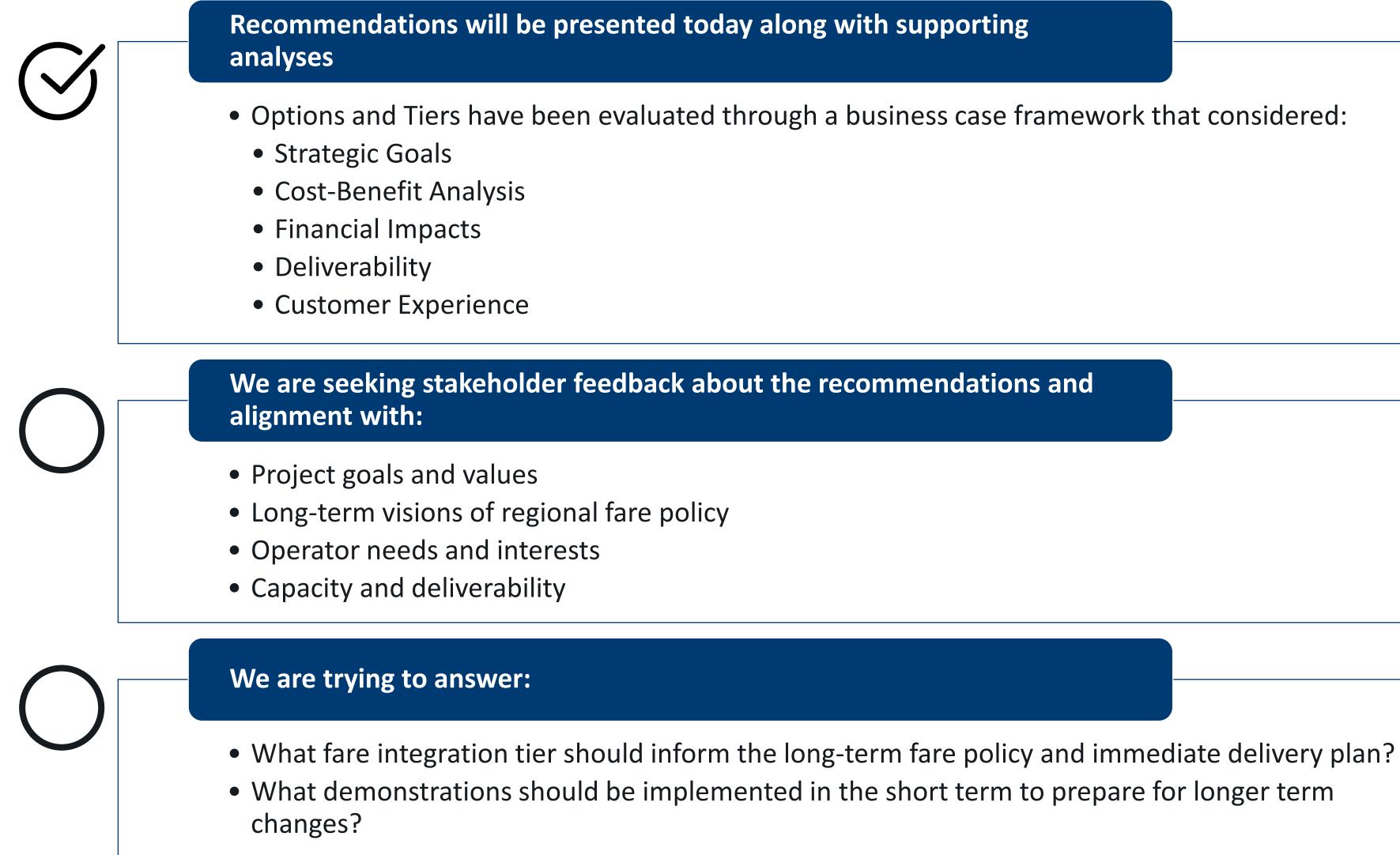
1 - 2 - 3 - 4 - 5 - 6

- Stakeholder Engagement
 - Policy Advisory Council Subcommittee
 - Staff Working Group





Where are we now



3





- 4 - 5 - 6

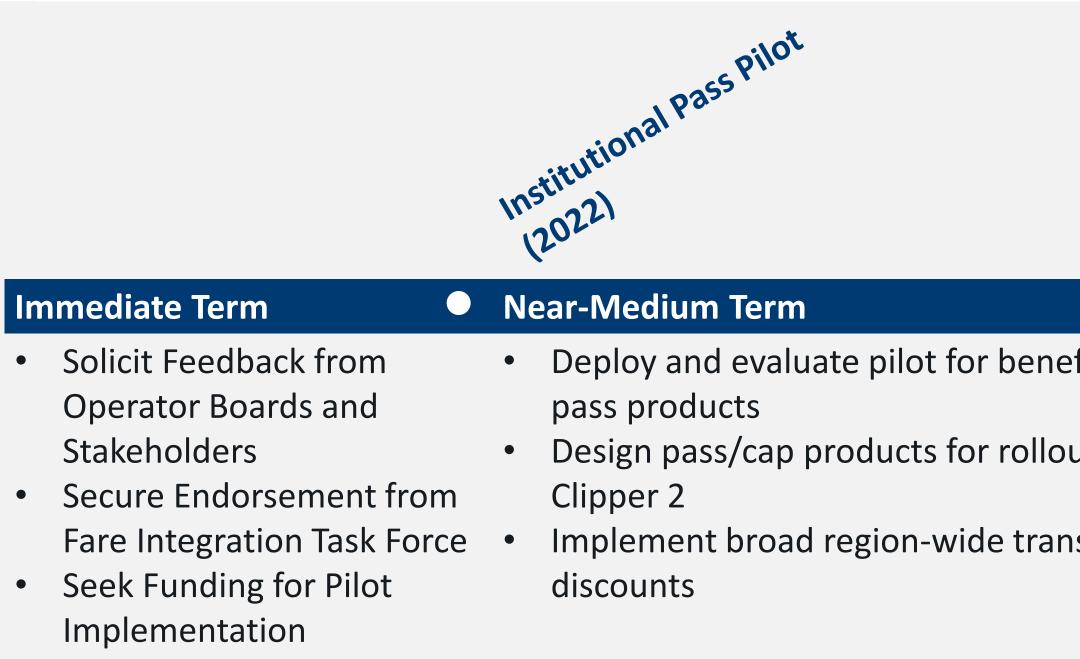




Where are we going

Recommendations For Review Today

- 1. In the immediate term, conduct a pilot of a bulk institutional pass product
- In the medium term (Clipper 2 rollout in Fall 2023), implement region-wide free transfers to/from local 2. services, and discounted transfers between regional services
- In the longer term, continue evaluating benefits and costs of Tier 3 Integration 3.

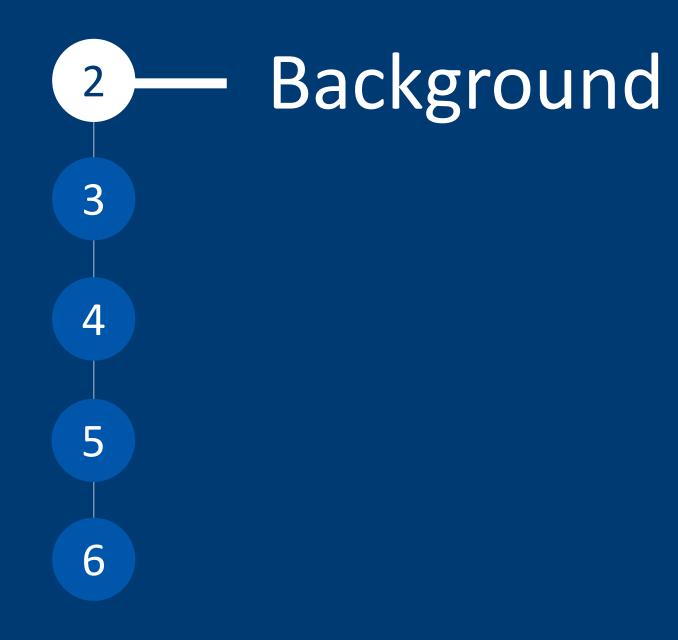




ightarrow	Long Term
efits of	 Advance to Tier 3, with additional decisions to be made on: Specific pricing points for the resulting structure
out with	 Timelines to deliver the structure Resource and level of subsidy to allocate to the structure
nsfer	 Revenue allocation model







Project Problem Statement: Why Focus on Fare Integration?

Fare policy is one among several factors that have constrained the growth of transit ridership in recent years. Current fare policies are informed by funding and governance models that **incentivize locally-focused fares** without providing a coherent set of policies to set fares that support ridership growth.

As a result, Fare Coordination and Integration has a role to play in restoring transit ridership, supporting recovery from the COVID-19 pandemic, and **delivering the transportation system the Bay Area needs** for its coming decades of growth.

The following key issues define how fares impact ridership and contribute to the key challenges which detract from rider experience:

Customer Value

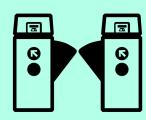


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- 3 -

Current fare policies can lead to a disconnect between the fare charged and the value a customer places on their trip.

Equity



Payment Experience

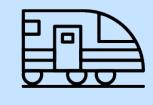
Current fare products, passes, payment technologies, and payment experiences may not be legible.

Key Issues

Current fares may not consistently meet the needs of Equity Priority Communities.

2

Current fares may not optimize the ridership and benefits of proposed transportation investments.



Future Transit











State of Travel Pre-COVID-19

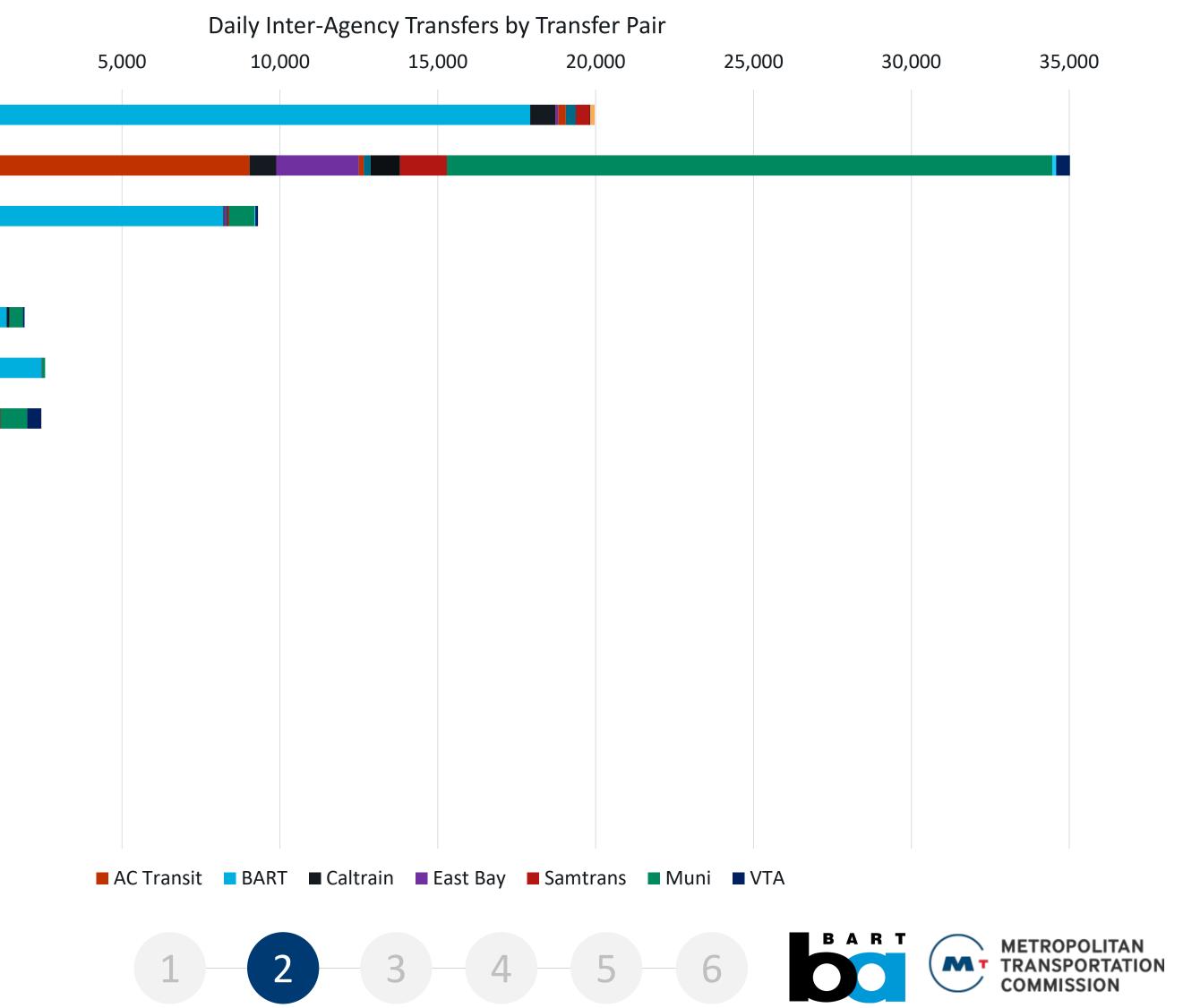
Clipper data was used to estimate the number of trips that use multiple operators under the existing fare structure.

There were nearly 75,000 daily trips made on multiple operators (roughly 7.5% of all trips made using Clipper cards), with most common pairs being: BART - Muni, BART - AC Transit, and BART -East Bay Operators (CCCTA, ECCTA, WCCTA, LAVTA)

Over the course of a month, up to 40% of Clipper cards were used on multiple agencies.

Our analysis has focused on growing multi-agency ^{Go} trips on existing high volume pairs, exploring new agency pairs to grow ridership, and applying passes or products to enable use of multiple operators over the course of a month.

0 Muni BART AC Transit VTA Samtrans East Bay Caltrain Golden Gate Transit Napa Solano Golden Gate Ferry WETA Corridor 101 SMART Union City Sonoma



What can we directly influence through Fare Integration?



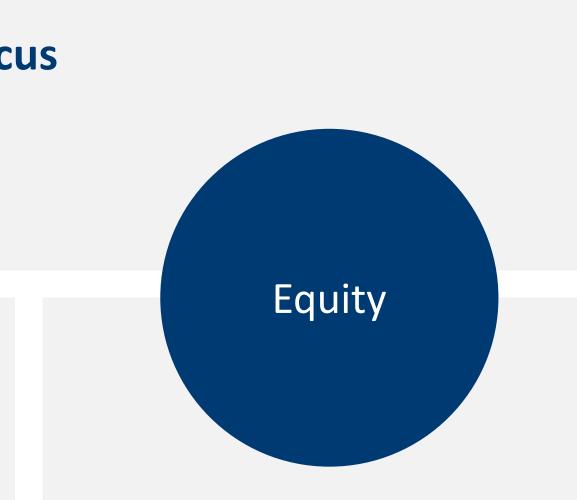
At any given level of cost recovery, does the region's fare structure:

- Offer competitive prices for all types of trips?
- Offer competitive prices for trips that involve more than one agency?

FCIS Developing Areas of Focus

Learnability & Legibility

- Is the fare structure easy to learn and understand?
- Does the learnability and legibility of the fare system encourage people to adopt transit and use it frequently?



- Do different agency approaches to equity initiatives limit or optimize overall impact?
- How do other FCIS focus areas affect Equity Priority Populations in particular?

Important & Related Fare Policy Issue

Affordability

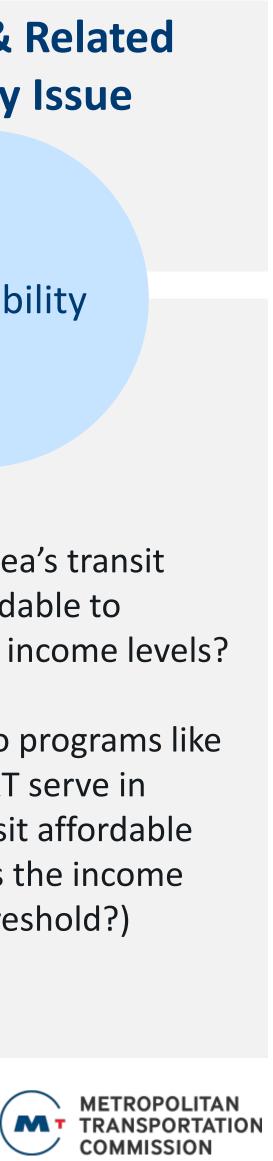
Is the Bay Area's transit system affordable to people at all income levels?

What role do programs like Clipper START serve in making transit affordable (e.g., what is the income eligibility threshold?)

2

3

4 - 5 - 6



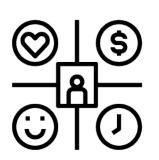
Business Case Approach 4 5 6

Analysis Approach

A business case framework is being used to make recommendations based on:



The overall benefits of integration



The comparative benefits of each tier



For tiers with multiple options, the specific benefits of each option and best option within a tier

Evaluation to determine the value and benefit of a fare structure



Strategic Dimension

Why pursue fare integration?

- Advance key regional policies and goals
- Higher ridership, equity, financial sustainability, customer experience, and change in VMT

Socio-Economic Benefit Cost Dimension



What is the value of fare integration?

> Monetizing the strategic benefits to estimate their overall value to the Bay Area

Reviewing financial impacts and risks and potential funding strategies

What are the financial requirements for successful integration?



Fare Structure Organization

Reviewing financial impacts, risks and funding strategies

How can fare integration be implemented and managed?

Delivery and Operation Dimension



Evaluation to determine the risks and requirements required to deliver a structure

3







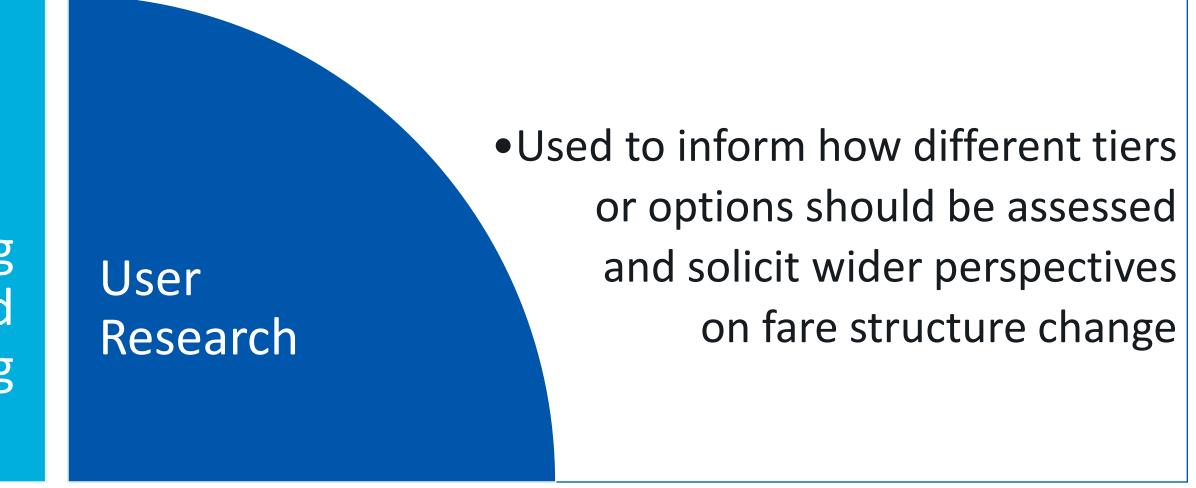
What is considered in a business case?

 Used for understanding how each tier or option could impact ridership and revenue and potential wider benefits of structure change

Forecasting and Modelling

 Used to inform how different tie or options should be assessed and solicit wider perspectives on fare structure change

Stakeholder Engagement



Agency Engagement

 Used to inform how different tiers or options should be assessed and confirm key strategic, financial, and implementation considerations



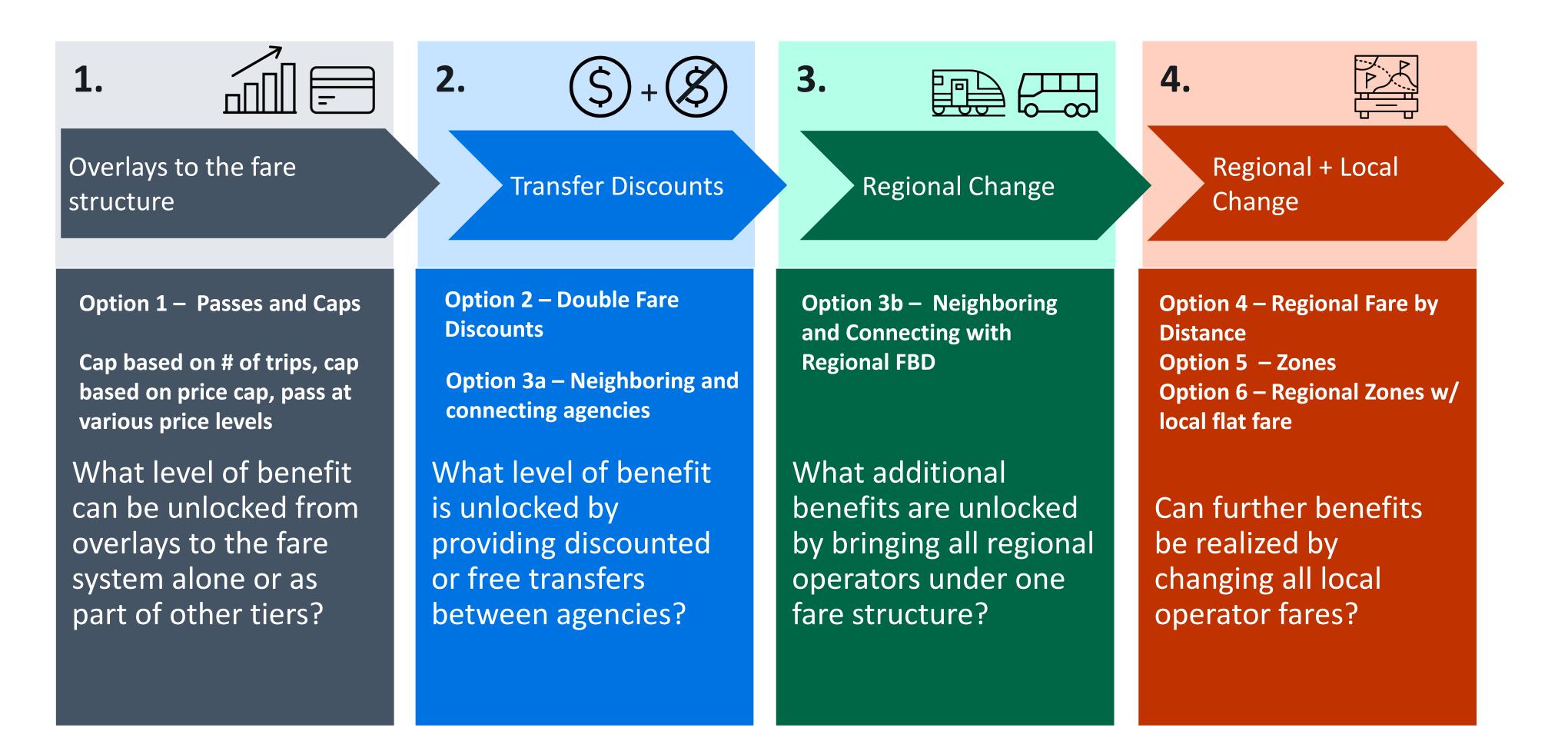






Fare Integration Options and Tiers

integration in the Bay Area.



The fare integration business case assesses the benefits, costs, and requirements associated with increasing tiers of fare policy

3 4 5 6



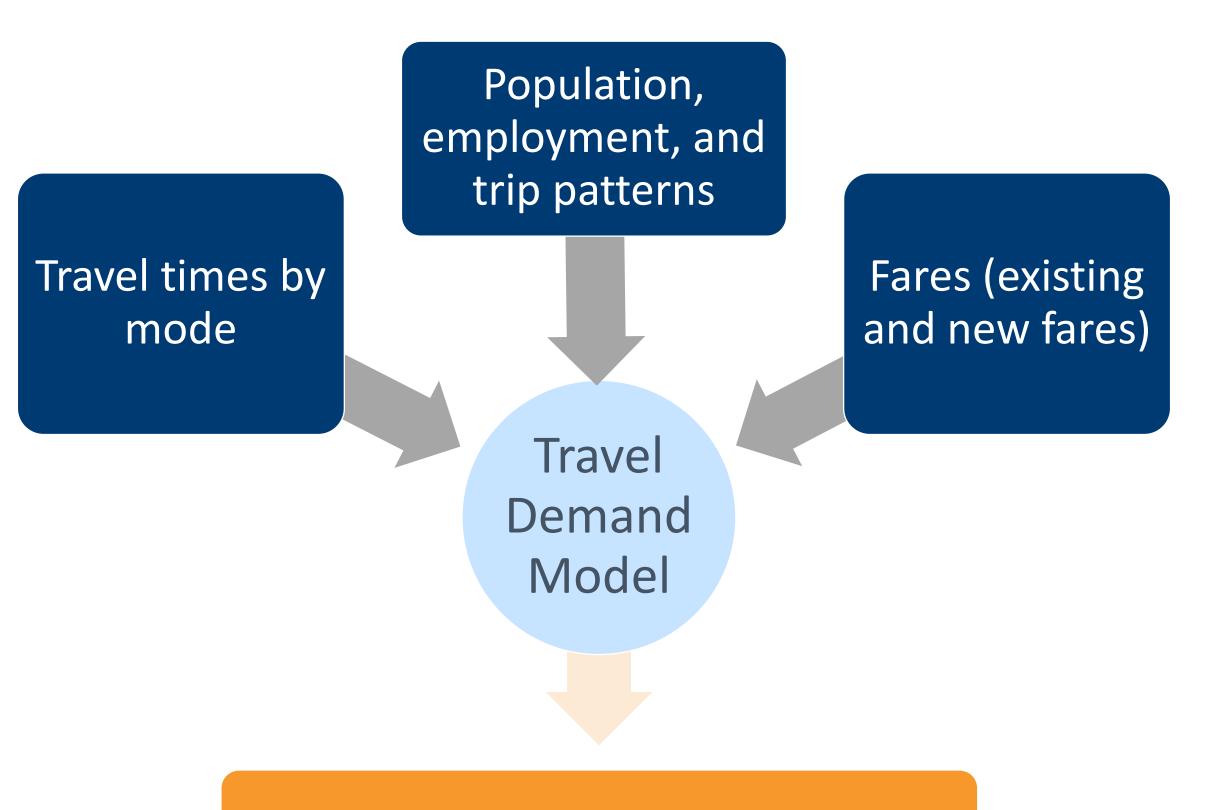


Role of Modeling in Business Case Analysis

FCIS is a strategic study that aims to explore the potential benefits of fare integration in the Bay Area and if there is an optimal structure that:

- Offers benefits above and beyond the existing approach to fares
- Is feasible to deliver and operate

MTC's regional travel demand model was used to ensure consistency with other regional planning exercises and was used to assess the potential benefits of each fare policy or structure option.



Incremental benefits and changes in ridership and revenue

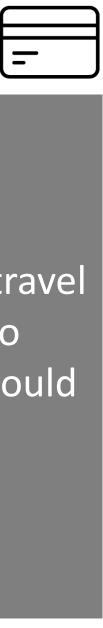


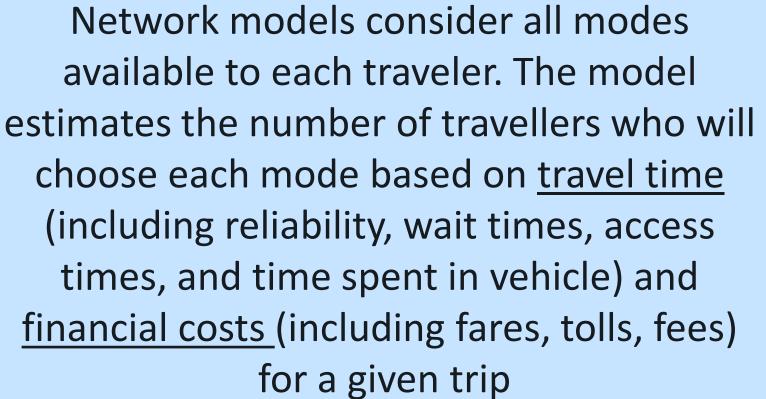


Network Model Overview



Network models consider all modes available to each traveler for a given trip





The fare modeling approach holds all travel times constant but changes fares to determine how a new fare structure could lead to behavior change









How is subsidy assessed in this analysis?

Each option can be delivered by either providing additional subsidy or by using strategic price increases to cover lost revenue (for example: lost revenue from removing transfer double fares) – this reduces the total revenue burden from customers.

This study considered three revenue scenarios to disentangle the impact of repricing trips that currently face a fare integration price barrier from the impact of repricing trips that do not face a price barrier through increased subsidy.

Throughout this presentation, comparator options of -2.5% and -5% fare revenue across the region are used to illustrate how direct investment in the existing fare structure compares to investment in the options.

Revenue Scenarios

- Testing fare options based on pricing proposals 1. (example: Pricing proposal by Seamless Bay Area)
- 2. Testing fare options to require the same subsidy as removing all price based fare barriers (see Option 2)
- 3. Testing fare options to be revenue neutral – meaning no new subsidy would be required and all revenue losses from repricing trips must be financed by fare increases to other travelers



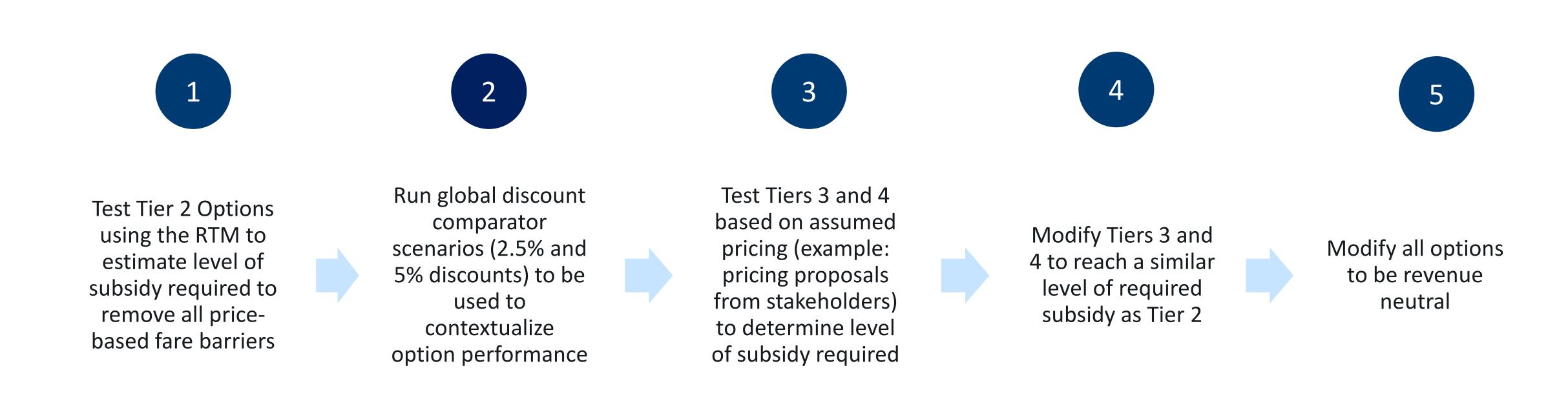






Analysis Approach: Modelling Subsidy Scenarios (Options 2-6)

A five step analysis process was developed to test each fare option:



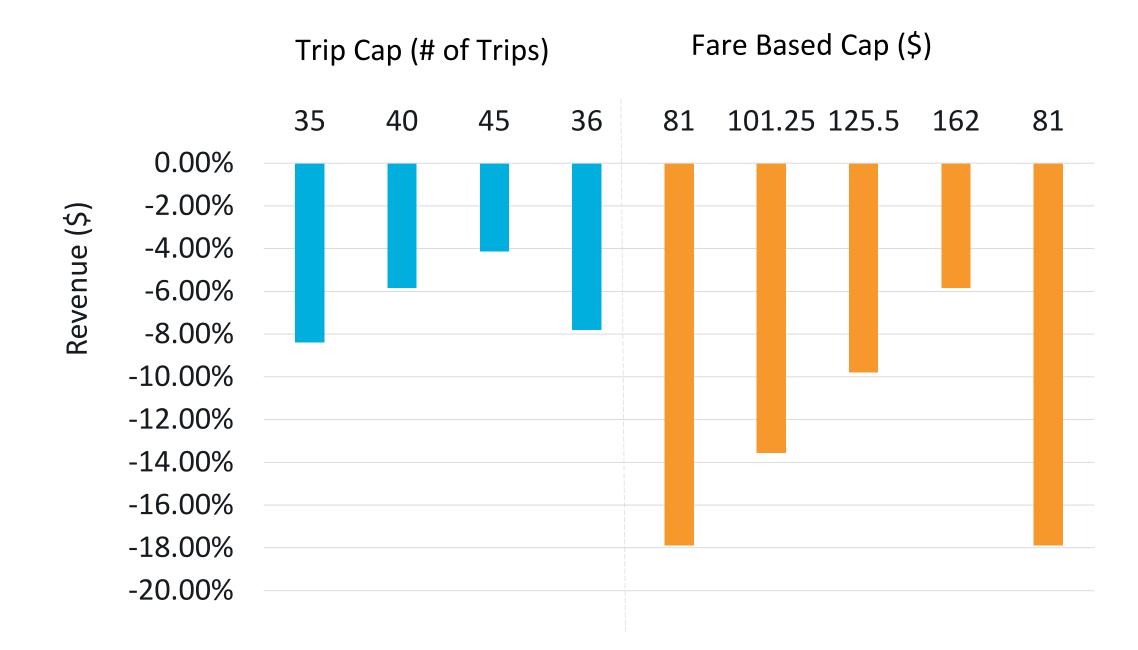


4 Emerging Findings 5 6

Tier 1 – Overlays – Modeling and Option Analysis – Initial Findings

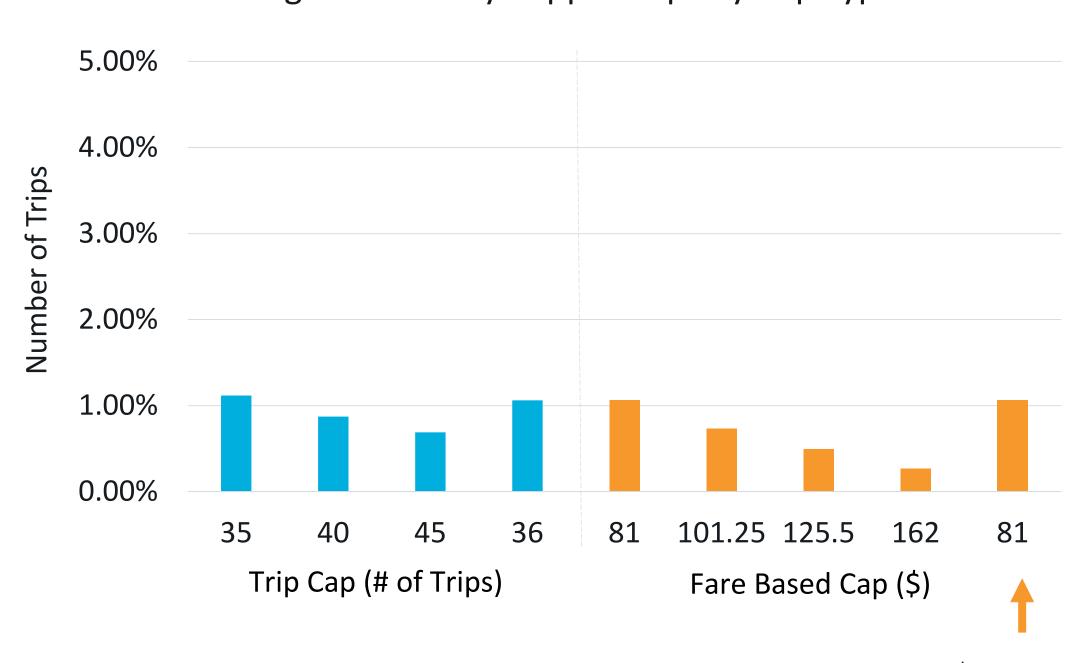
Trip-Based Cap

Change in Monthly Clipper Revenue by Cap Type



Trip based products or caps tend to achieve as much ridership as a fare based cap but with much lower revenue impacts. As a result, they have been identified as the basis for further development.

Fare-Based Cap



Change in Monthly Clipper Trips by Cap Type

80th percentile fare paid



Tier 1 – Overlays – Modeling and Option Analysis

Tier 1 Options that were deprioritized

- A single priced product or single value cap for the region
- These options are not flexible enough for the variable fares (Caltrain, BART, SMART, etc) in the region and will either be too expensive (if priced for longer trips) for customers or lose significant revenue (if priced for shorter trips)

Tier 1 Options that are suggested for further development

- Multiple passes (example: a pass for all trips \$5.00 or less, \$7.00 or less, etc.) or trip based caps (example: cap after 40 complete linked trips)
- These options balance customer willingness and ability to pay with mitigating revenue losses

Tier 1 Option Included in Business Case

- The initial results for Tier 1 included in this deck are an incremental uplift to Tier2 to illustrate how Tier 1 can augment performance of other Tiers.
- This is a 'multi pass' option modelled after the Puget Pass in Seattle (Washington) where multiple passes are offered that give unlimited travel for all trips under a set price – if a customer uses he pass for a more expensive trip they pay an additional fare







Strategic Dimension – how do the options support policy objectives?

The Strategic Dimension evaluates each option based on the stated policy goals for Fare **Coordination and Integration.**

Four focused metrics, derived from the problem statement and broader local/regional/State policies, have been used to assess strategic performance.

Combined these metrics answer the questions:

- Can Fare Integration address the problem • statement?
- What are the trade offs between options for addressing the problem statement?

Legend

Analyzed with

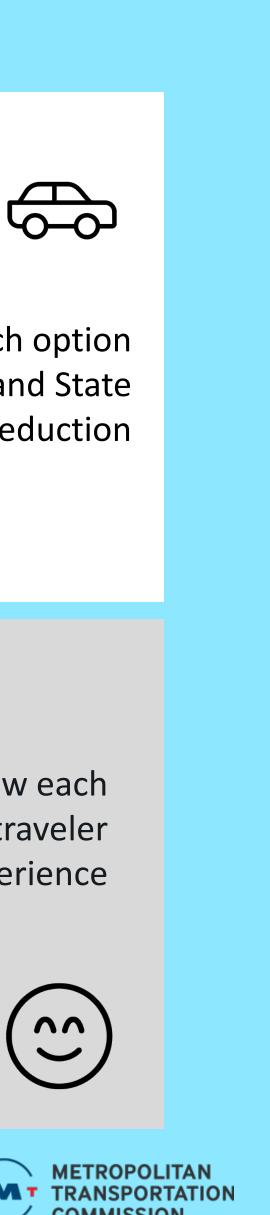
Analyzed with Customer Research



Ridership Development

Assessing the extent to which each option can increase ridership by removing integration fare barriers

VMT Reduction



Assessing how each option supports regional and State goals for VMT reduction

Focused **Metrics**

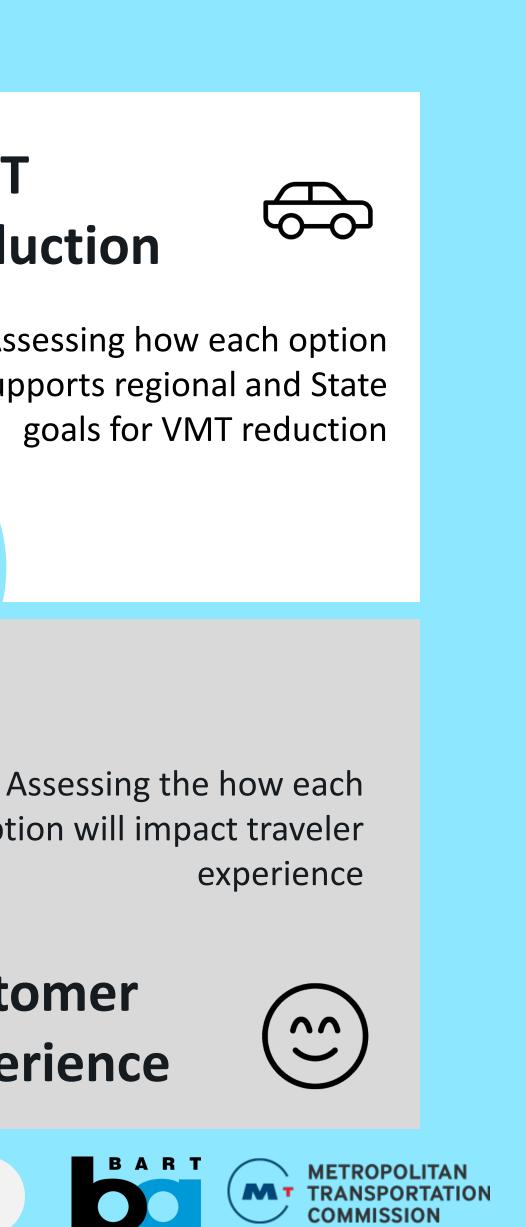
Assessing the impacts and benefits of each option to equity policies and objectives

Equity

1 - 2 - 3 - 4 - 5 - 6

option will impact traveler

Customer Experience



Strategic Metric 1 – Ridership Development

Each fare structure option was modelled with TM1.5 to assess its potential impact on ridership to the region.

Options in Tiers 1 and 2 only impact customers who face an integration price barrier, while Tiers 3 and 4 also impact customers who only use one operator today.

As a result, ridership impacts have been divided into two categories:

- **Integration Ridership** changes in ridership for trips on multiple agencies
- **Non Integration Ridership** changes in ridership on single agency trips due to increases or decreases for fares

This metric is focused on increasing ridership that currently faces an integration fare barrier.



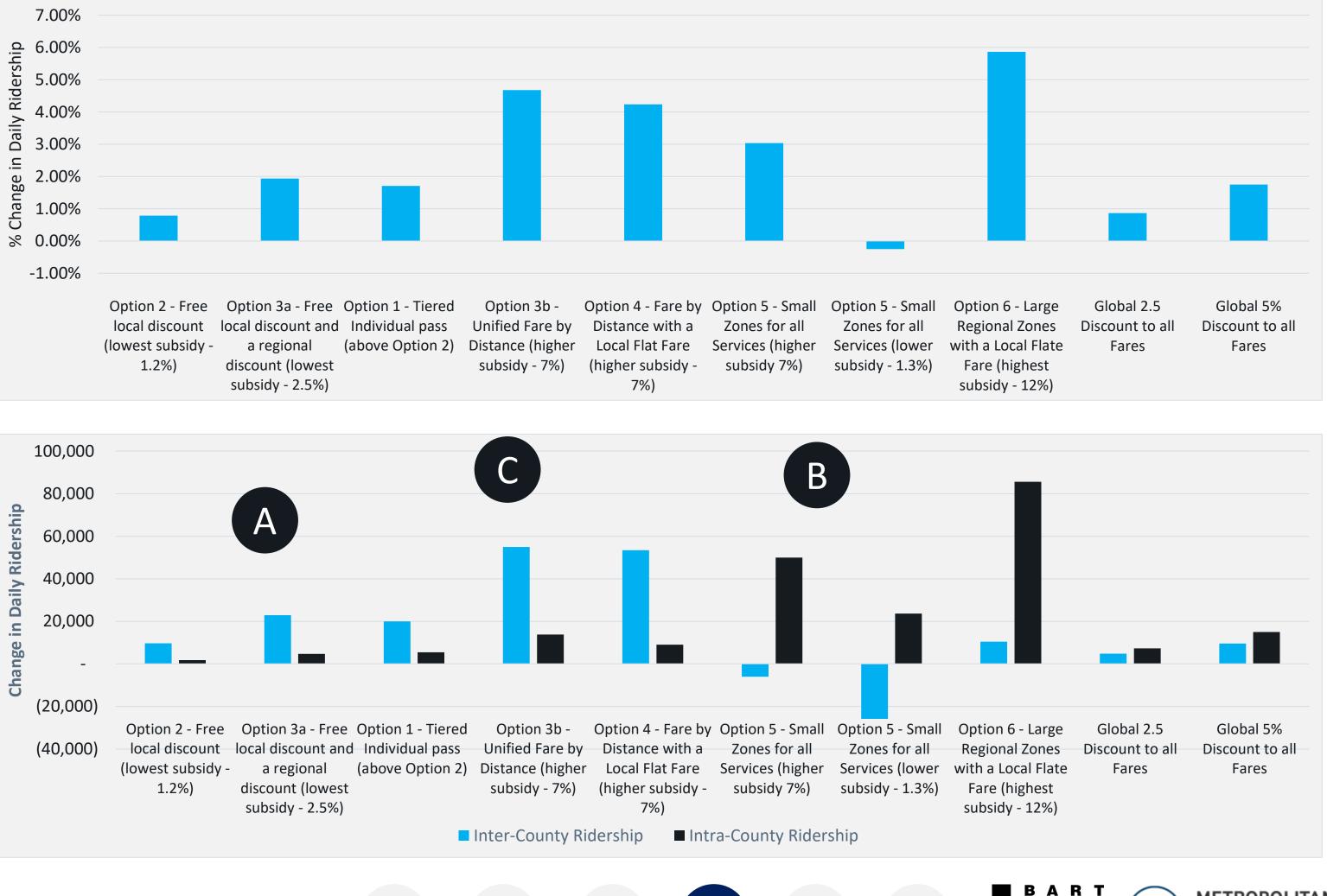
Strategic Metric 1 – Ridership Development

Key Findings

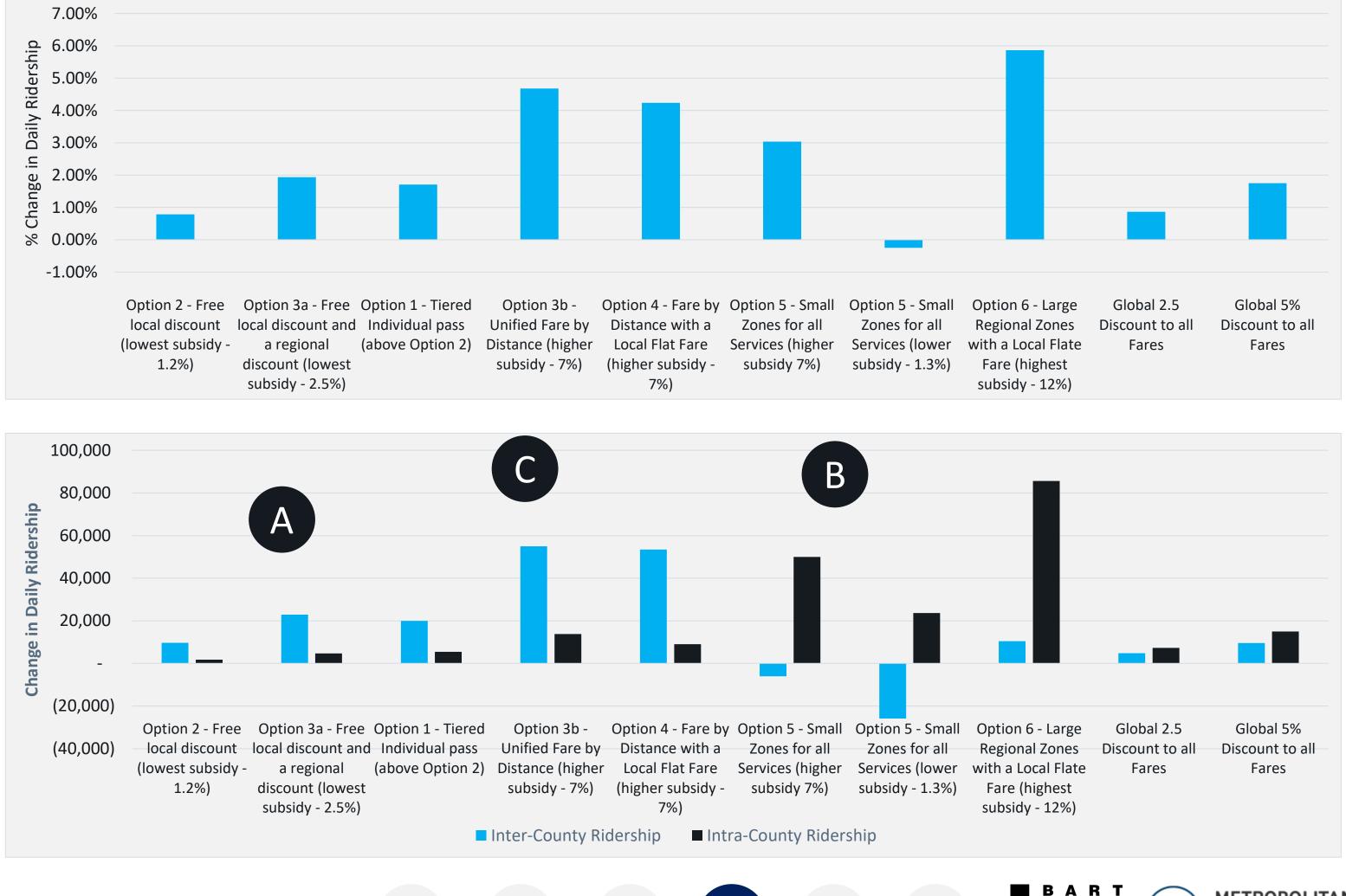
Inter-agency transfer discounts (Options 2) and 3a) promote inter–county ridership (~11,000 to 25,500 passengers per day)

At \$70m per year of new subsidy, option 5 В generates intra-county/single operator ridership (~50,000 trips per day). Option 5 loses ridership at lower levels of subsidy, and with high subsidy gains intra-county but loses inter county ridership

At ~\$70m per year in new subsidy, Option 3b generates nearly 69,000 new riders per day of which 55,000 are inter-county trips



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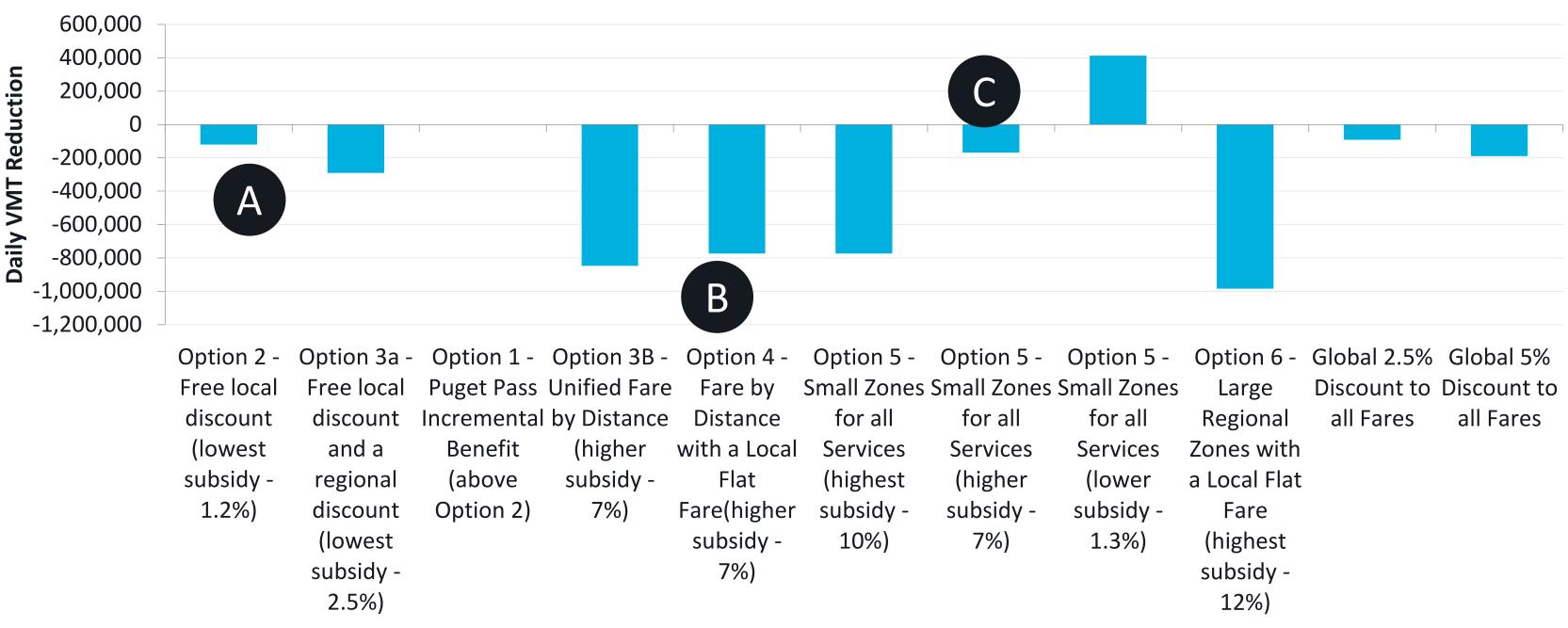




Strategic Metric 2 – VMT Reduction

Reducing vehicle miles travelled is a key policy theme at the local, regional, and State level.

VMT reductions vary between options based on the types of trips that are generated by fare policy changes.





Integration focused options (2, 3a) tend to have higher VMT reduction per new trip because the majority of trips are longer distance trips using a combination of regional and local modes

Key Findings



longer distance travel



lower

Option 3 and 4 have the highest VMT reduction as their ridership growth is focused on the regional network and includes

Option 5 generates mostly shorter distance Muni trips and has a net loss of ~6,000 inter-county trips, so its impact on VMT is

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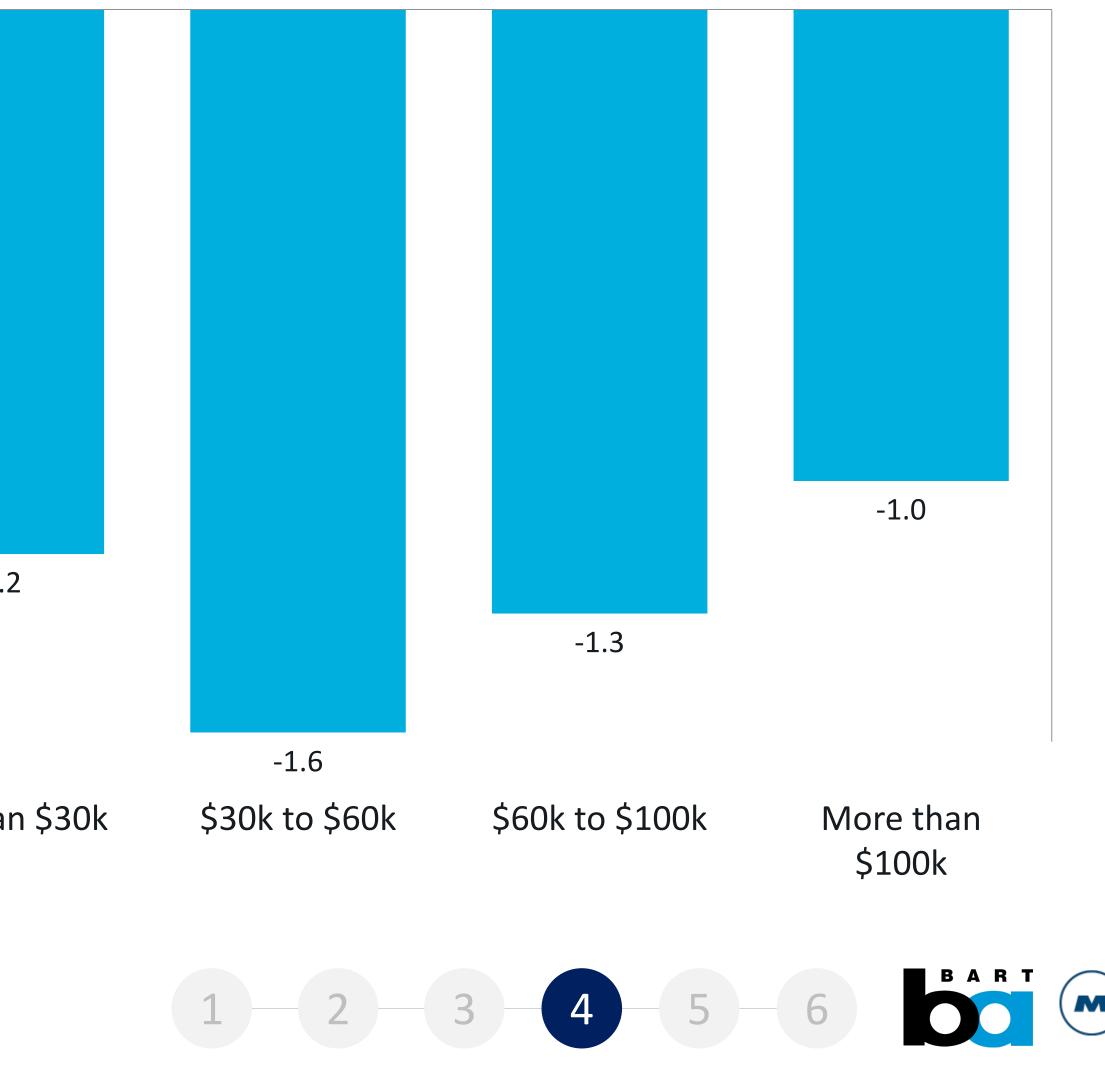


Strategic Metric 3 – Preliminary Equity Findings for Tier 2 Discounts

	The average fare across all transit riders decreased by between 1 and 1.6		% (change	
	percent	0.0			
	The middle two income groups	-0.2	_		
	experience the greatest average fare	-0.4			
decrease, decreasing betw 1.6 percent versus baseline	decrease, decreasing between 1.3 and 1.6 percent versus baseline	-0.6	_		
		-0.8	_		
		-1.0	_		
		-1.2	_	-1.2	2
		-1.4	_		
		-1.6			

Less than \$30k

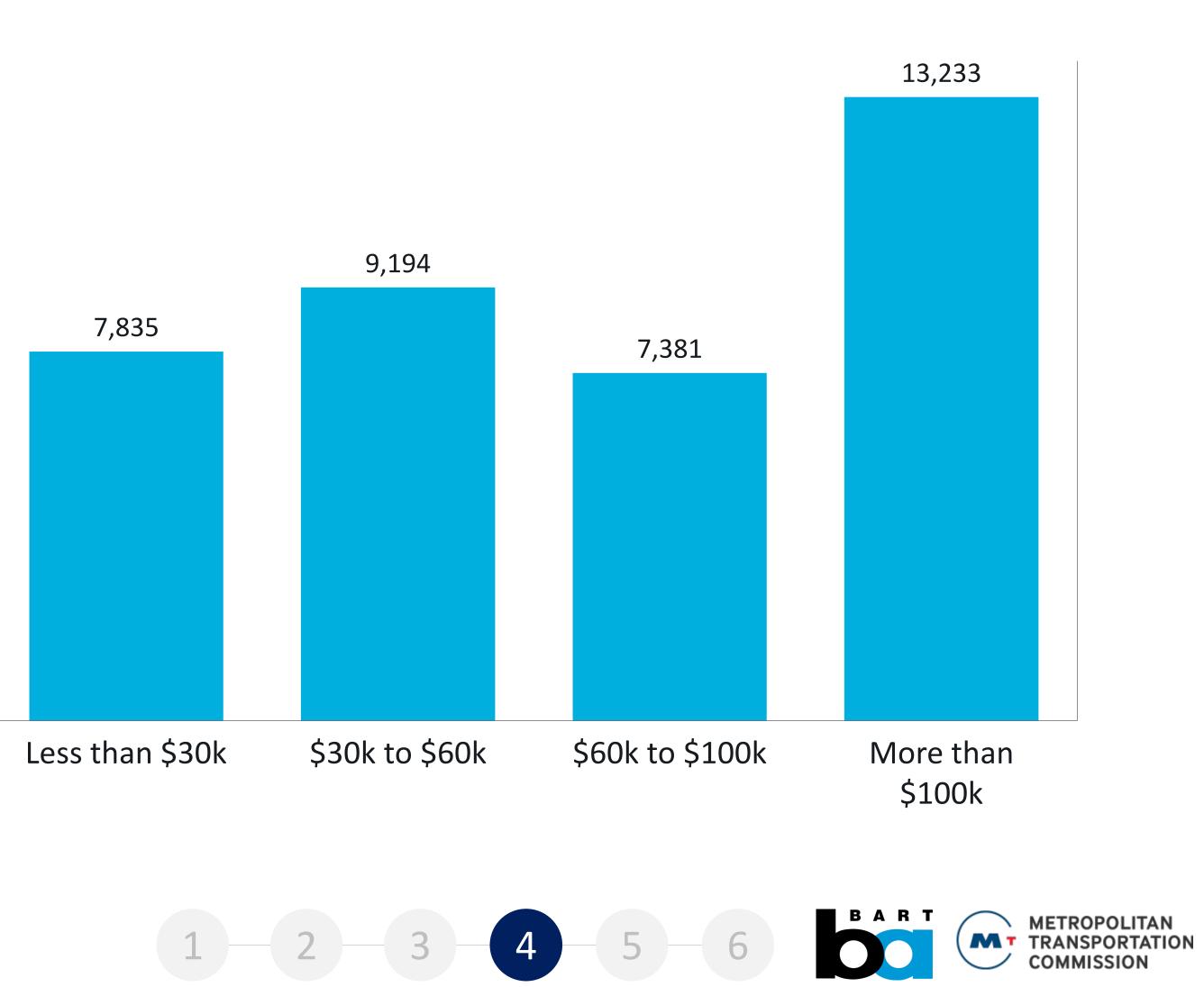
in average fare (2021 \$): Priority vs. Baseline





Strategic Metric 3 – Preliminary Equity Findings for Tier 2 Discounts

While the highest income group experienced the smallest percent	-	Total subsidy nee	ded per day (202	2 1 \$)
change in fares, it needs the greatest	14,000			
 amount of new subsidy The average transit fare decreased 	12,000 -			
only 1% for the highest income group, less than any other group	10,000 -		9,194	
 Yet, this group is ~60% larger than any other 	8,000 -	7,835		
 In total, the daily new subsidy needed is largest for the highest income group 	6,000 - 4,000 -			
 The subsidy is in line with the transit ridership income 	2,000 -			
distribution: 36% of all subsidy goes to the highest income group and 35% of all transit riders earn \$100k+	0 –	Less than \$30k	\$30k to \$60k	\$

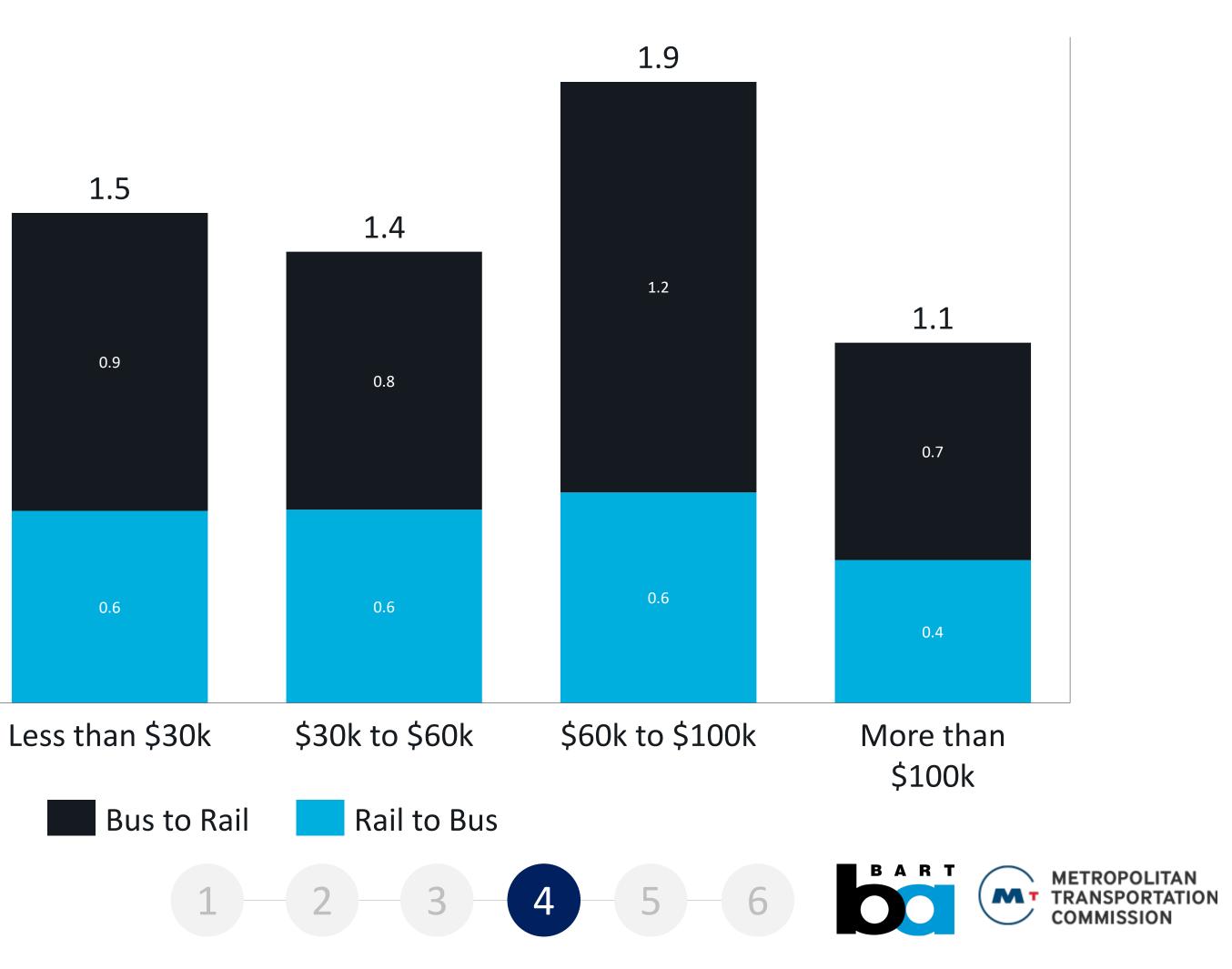




Strategic Metric 3 – Preliminary Equity Findings for Tier 2 Discounts

Approximately 4 percent of transit riders switched bus to rail for at least one of their	
trips. About 2 percent switched from rail to bus.	2.0
 Across all income groups, more individuals switch modes from bus to rail—rather than from rail to bus 	1.5 -
 This is a positive equity outcome as more individuals make use of a higher-level transit mode with more frequent and faster service 	1.0 –
 The lowest income group experiences the second highest shift from bus to rail, with nearly 0.9% of transit riders shifting to rail 	0.5 –
 The \$60k - \$100k group sees the highest bus to rail shift at 1.2% 	0.0

of transit riders switching transit modes





Strategic Metric 4 – Customer Experience

The problem statement for the FCIS identified customer experience as a key integration barrier.

- The FCIS team worked extensively with travelers to identify how this barrier impacts their use of multiple operators (either for one trip or for different trips over the course of a week/month) and how they perceived each option.
- Customers were asked to review each option under a range of scenarios and provide rankings and qualitative feedback on its value, fairness, and legibility.

This metric synthesizes this customer research to define:

- The likely impacts that each option will have to traveler experience and traveler willingness to use multiple operators
- Key customer identified pros and cons of each option \bullet



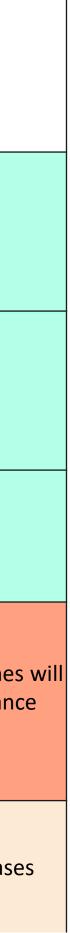
Customer Impacts: Summary

Option	Value	Legibility	Fairness
		Mixed feedback – some passes may	
Option 1 - Caps and Passes	Generally positive	be more complicated to understand than others	Generally Positive
Option 2/3a – Transfer Discounts	Generally positive	Generally positive, some concern about learning multiple fares and figuring out which one is discounted	Generally Positive
Option 3B - Unified Fare by Distance (same feedback for regional component of Option 4)	Generally Positive	Mixed feedback – stated need for tools to interpret structure (similar to BART today)	Generally Positive
Option 5 - Small Zones for all Services (same feedback for regional component of Option 5)	Mixed feedback, trending negative – concerns on how zones may raise fares for local services	Mixed feedback –concerns about number of zones and quickly figuring out fare, customers stated they will need help	Mixed feedback, trending negative – concerns on zones impact fares that are flat today or use fare by distanc (BART)
Options 4/6 – Local Flat Fare Component	Generally positive	Generally positive	Mixed feedback– some concerns about fare increase











Strategic Dimension – Summary

	Daily Ridership Growth				
Option	Low Subsidy (~1-2.5%)	Higher Subsidy (~6- 7%)	Highest Subsidy (~10+%)	Equity Impacts	Customer Experience
Option 2 - Free local discount (local to local, local to regional)	+11,500 trips/day	N/A		Net savings for equity priority populations	Generally Positive
Option 3a – Option 2 + fixed discount for regional to regional trips	+25,500 trips/day	N/A		Net savings for equity priority populations	Generally Positive
Option 1 - Puget Pass Incremental Benefit (above Option 2)	+25,000			Mixed impacts for equity priority populations	Generally Positive
Option 3B - Unified Fare by Distance	TBC	+68,800 trips/day	TBC	Net savings for equity priority populations	Generally positive with some issues to resolve
Option 4 - Fare by Distance with a Local Flat Fare	TBC	+ 62,500 trips/day	TBC	Mixed impacts for equity priority populations	Generally positive with some issues to resolve
Option 5 - Small Zones for all Services	-2,100 trips/day	+ 44,000 trips/day	+75,400 trips/day	Mixed impacts for equity priority populations	Mixed feedback
Option 6 - Large Regional Zones with a Local Flat Fare	TBC	TBC	+86,000 trips/day	Mixed impacts for equity priority populations	Generally positive with some issues to resolve

Legend

Weaker	Moderate	
performance	performance	ce

Stronger Performance





2 - 3 - 4 - 5 - 6

1



Strategic Dimension – Key Findings

The Strategic Dimension notes the following key trade-offs:



Integration focused options (Tiers 1-2) tend to generate higher integration ridership and do not require fare increases for any travellers



Tier 3 options generate comparable ridership to Tier 4 options without changing local operator fares – this ridership is driven by free transfers and a single fare structure for all regional trips, which allows combined use of all regional operators as one network



Tier 4 (options that change all fares across the region) tend to have a more complex effect on ridership as most trips see a fare change – some changes may encourage ridership (see San Francisco) while others may discourage ridership





Financial Dimension – what is the financial impact of each option?

The Financial Dimension evaluates each option based on its impact to funding and finance for transit.

It is focused on the following impacts:



Required subsidy (total) – strategic estimates of the total lost revenue from each fare option



Cost per new rider – the level of subsidy required for each new trip

Combined these metrics answer the questions:

- What level of financial commitment is required to deliver integration?
- How cost effective is each option?
- How does the subsidy required for fare integration compare to other investments?

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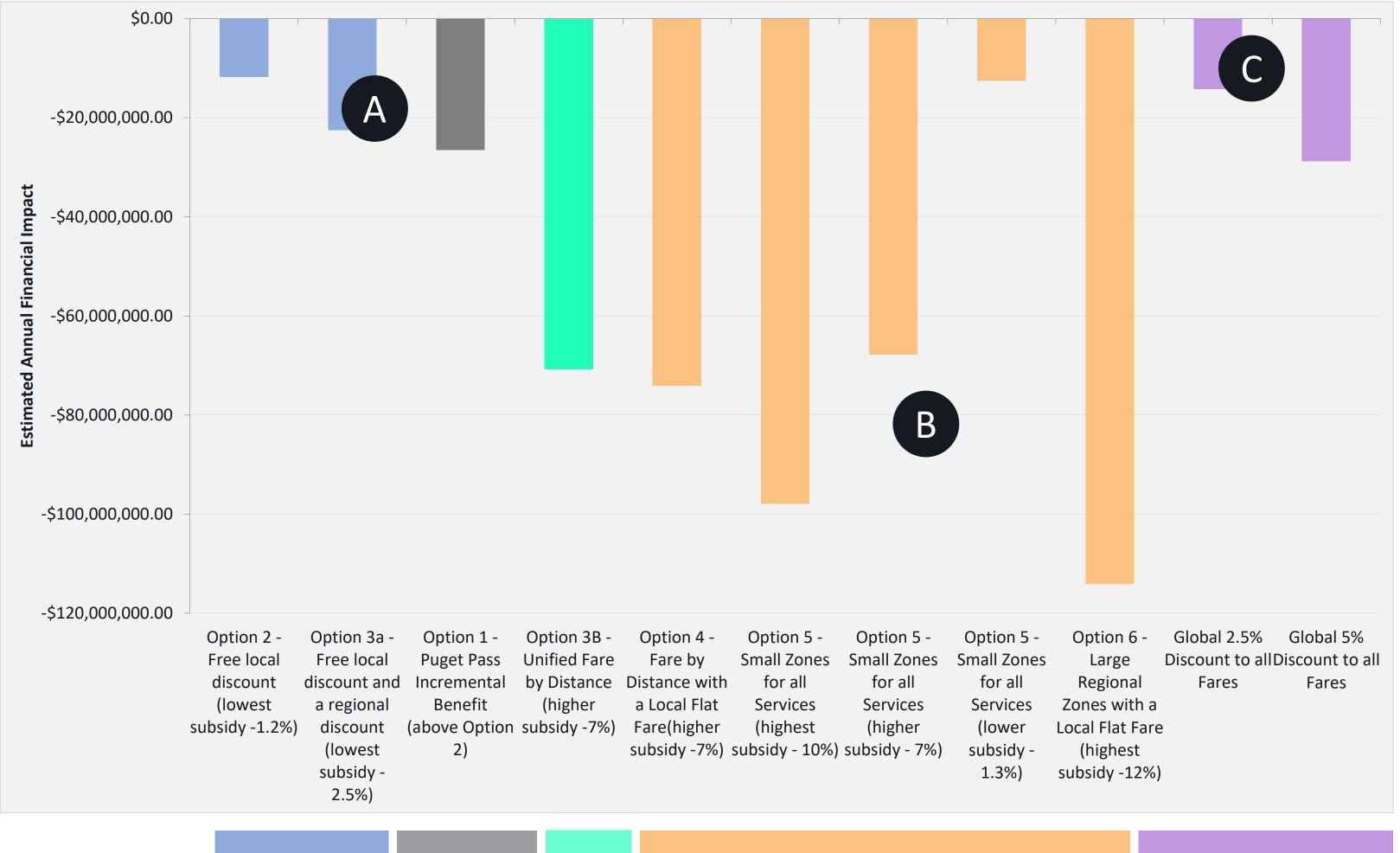


Financial Metric 1 – Required Subsidy

Tier 1

Tier 3

Tier 2



Tier 4

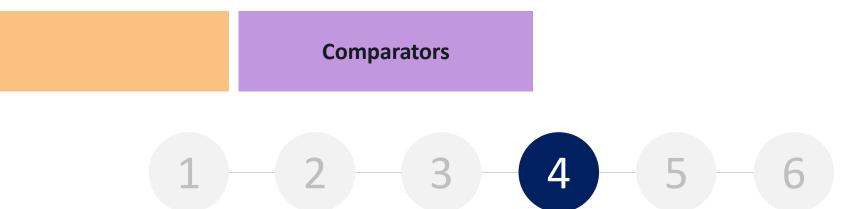
Findings

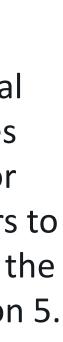


Β

The cost of only addressing fare barriers ranges between \$12-\$25 million per year based on initial estimates

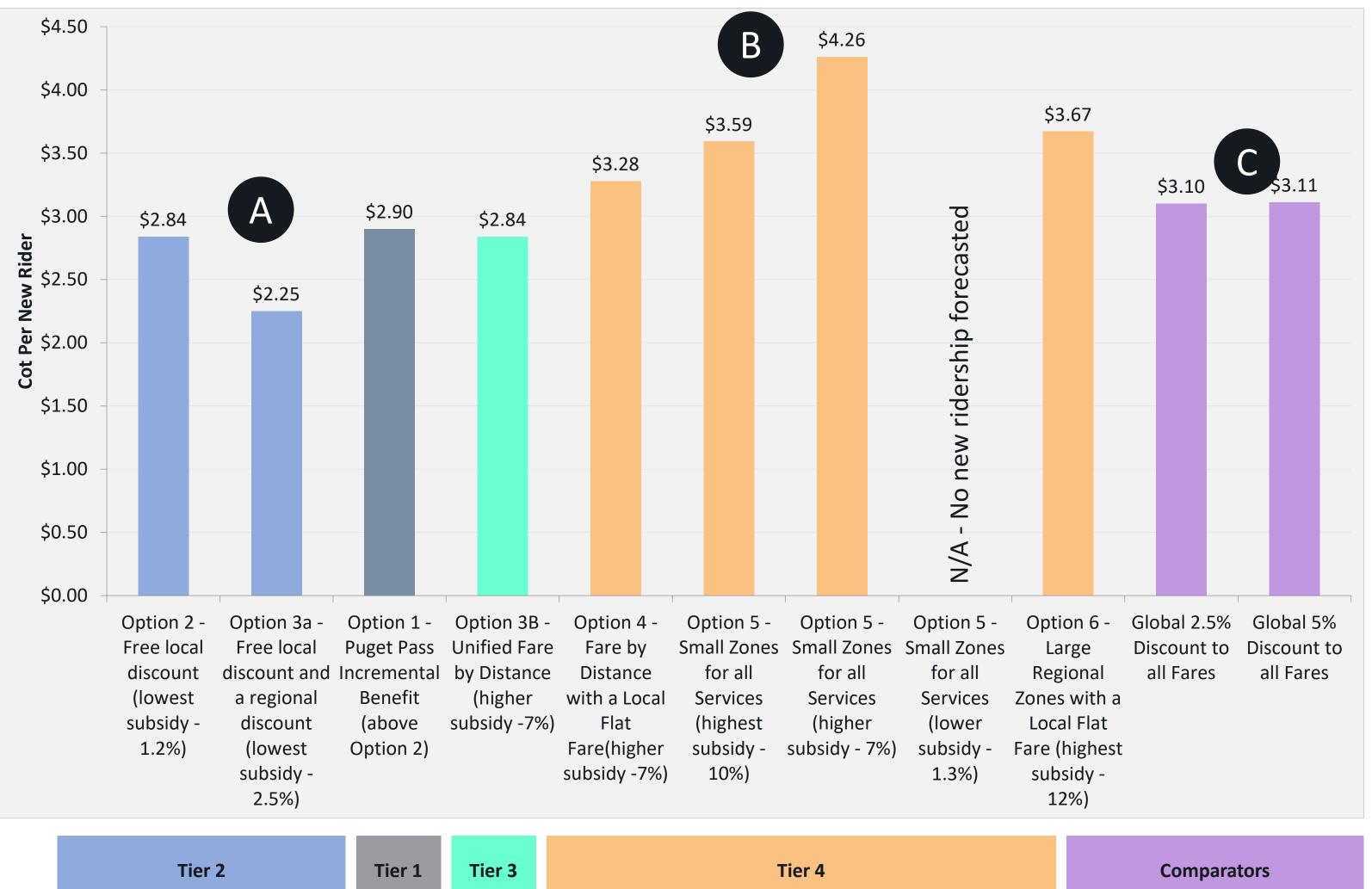
Broader standardization regional standardization of fares requires either significant new subsidy or raising fares for many customers to offset lost revenue as shown in the 1.3% subsidy scenario for Option 5.







Financial Metric 2 - Cost Per New Rider



Findings

4

3

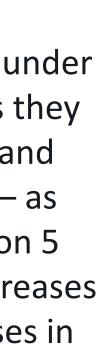
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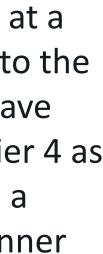
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Direct investment in integration barriers (Tier 2, Option 3) has the lowest cost per new rider

- Widespread changes proposed under Β Option 5 are more expensive as they lose ridership in some markets and also generate growth in others – as level of subsidy applied to Option 5 decreases the cost per rider increases as there are more ridership losses in key regional markets
- Comparator tests illustrate that at a С regional scale, direct discounts to the existing structure are likely to have greater value for money than Tier 4 as they do not raise/lower fares in a structured – but arbitrary – manner

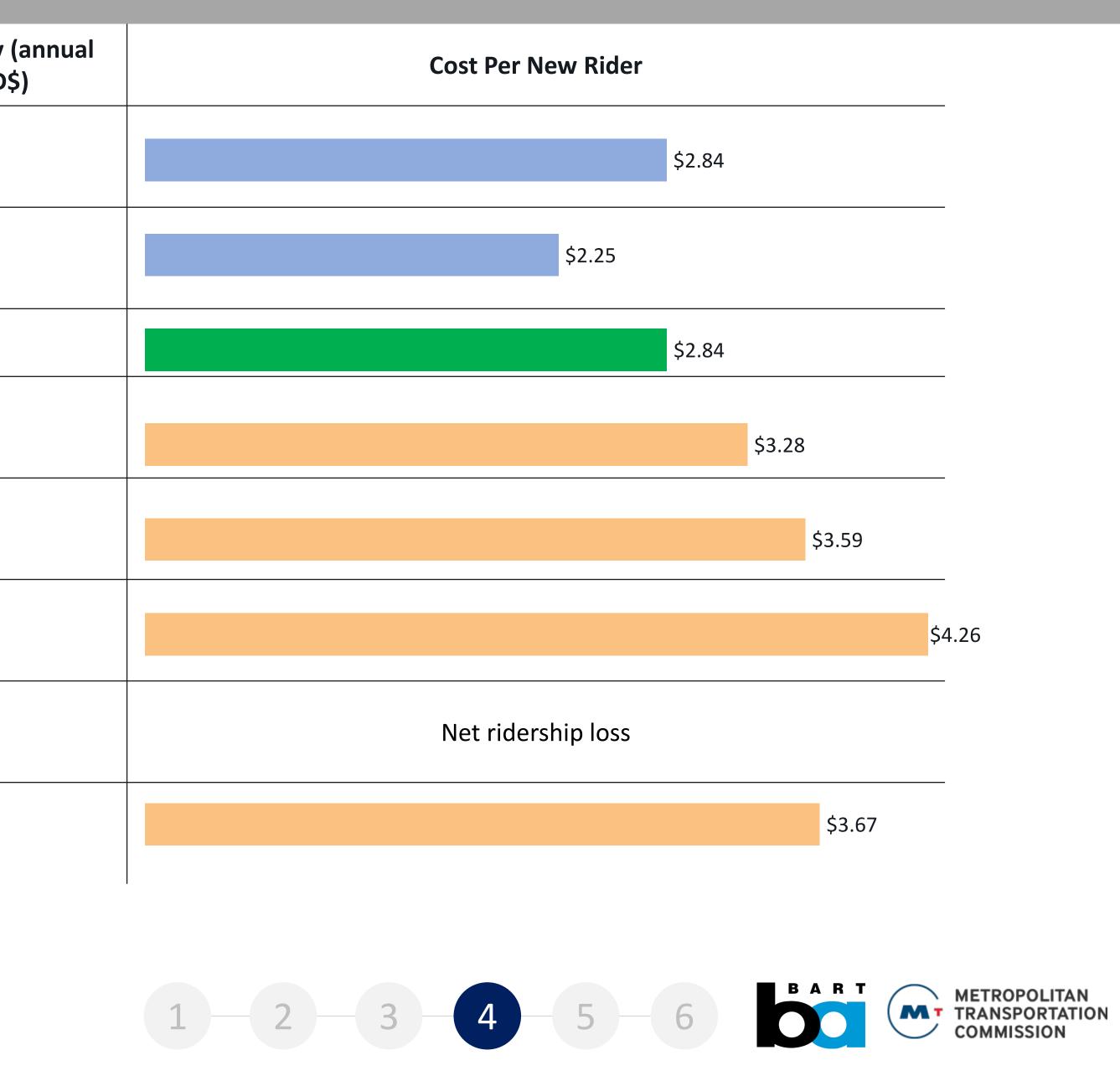






Financial Evaluation Summary

Options	Required Subsidy (million USD\$
Option 2 - Free local discount (local to local, local to regional)	\$11
Option 3a - Free local discount and a regional discount	\$13
Option 3B - Unified Fare by Distance	\$70
Option 4 - Fare by Distance with a Local Flat Fare	\$75
Option 5 - Small Zones for all Services (highest subsidy - 10%)	\$100
Option 5 - Small Zones for all Services (higher subsidy - 7%)	\$70
Option 5 - Small Zones for all Services (lower subsidy - 1.3%)	\$12.5
Option 6 - Large Regional Zones with a Local Flat Fare	\$115





Delivery and Operation Dimension – what is required to successfully deliver each option?

Delivery and Operation Dimension assesses each option based on the key changes required across the following dimensions:





Management – how will issues, risks, challenges, and changes will be managed over time?

Technology – how is it implemented and procured?





Operations and Infrastructure-how it will 'run' on a day to day basis and what infrastructure is required?

Customers – what level of change management is required for customers?

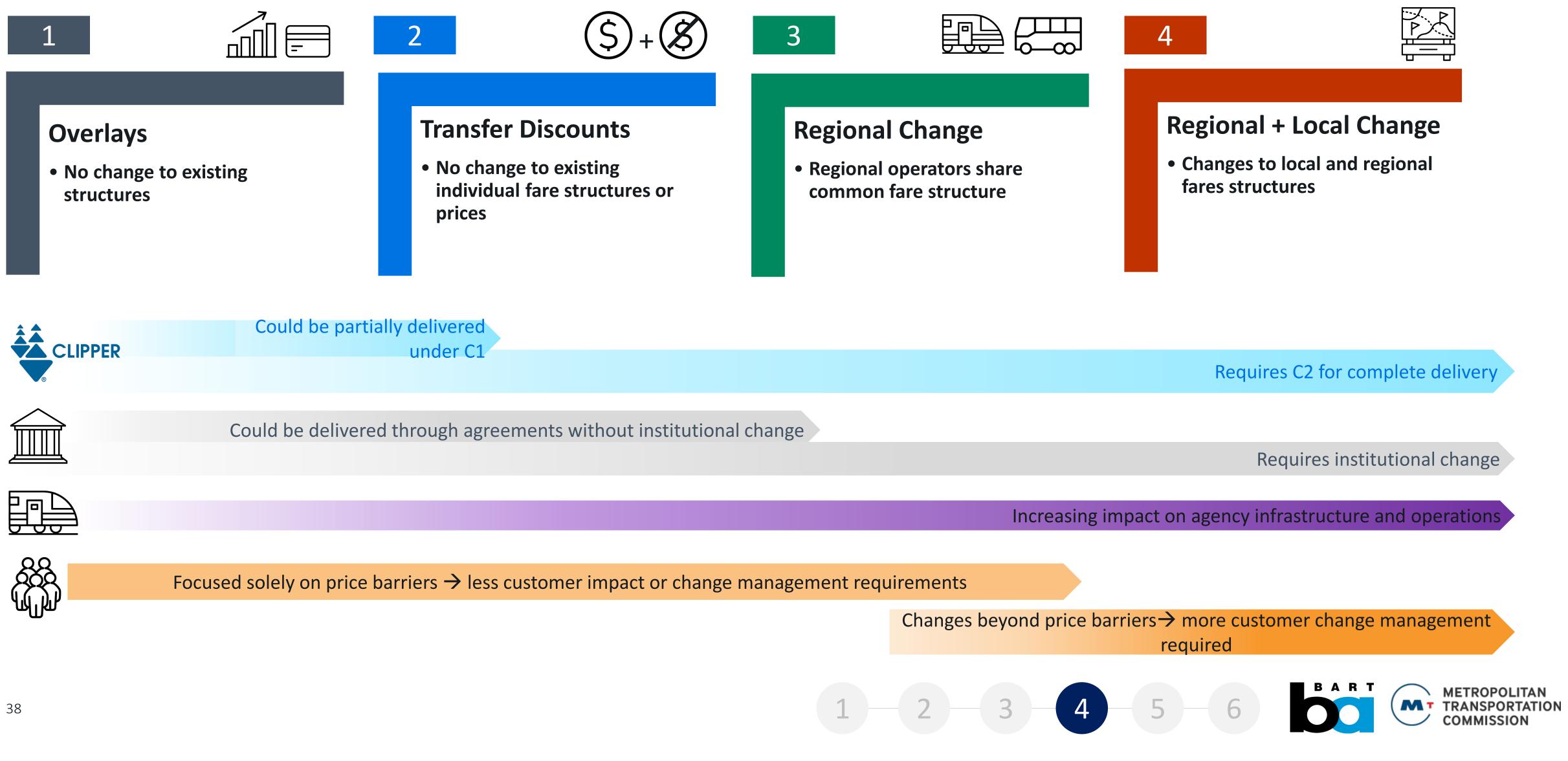








Delivery Evaluation Findings - Overall





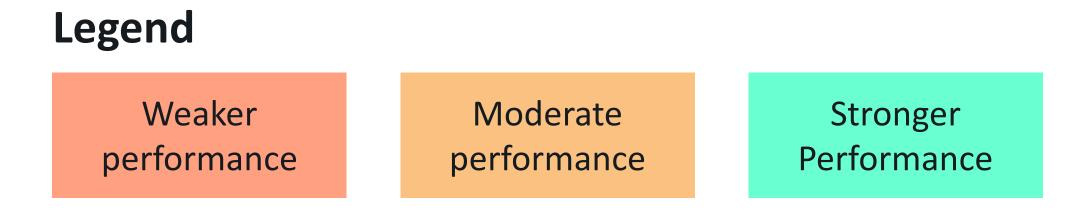






Delivery and Operation Dimension Evaluation Summary

Tier	Options	Management	Technology	Agency Infrastructure and Operations	Customers
1	Option 1 - Caps and Passes	Low	Low	Low	Low
2	Option 2 - Free local discount (local to local, local to regional) Option 3a – Transfer Discounts (local to local, local to regional, regional to regional)	Low/Medium	Low	Low	Low
3	Option 3B - Unified Fare by Distance	Low/Medium	Medium	Medium	Low/Medium
4	Option 4 - Fare by Distance with a Local Flat Fare Option 5 - Small Zones for all Services Option 6 - Large Regional Zones with a Local Flat Fare	High	Medium/High	High	Medium/High



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Overlays to Fare Structure (Incremental Performance when Layered on Tier2) 1

Option 1 – Passes and Caps

What was tested?

Both price- and trip-based caps, as well as a tiered individual pass at a range of prices or value points

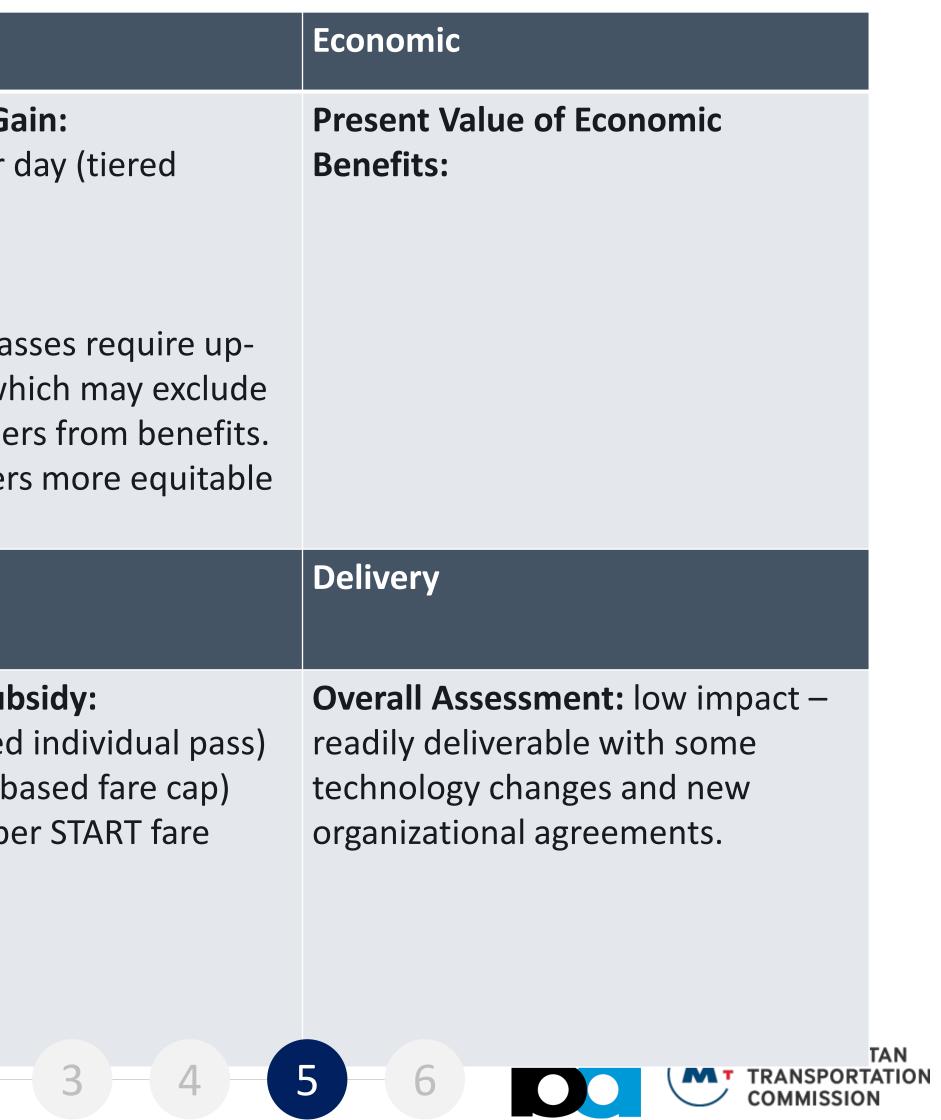
What did we learn?

- Tiered passes and caps are required to minimize revenue loss for regional operators while generating new ridership but may be more complex for customers to understand
- Customers are interested in a pass or product that applied to multiple operators
- A single trip cap or monthly pass with a set price for all travelers will either not generate ridership (if priced too high) or lose significant revenue (if priced too low)
- Further work needs to be completed to explore caps vs. passes this work should explore balancing with ridership potential and available subsidy



Strategic	Economic
Daily Ridership Gain: +25,000 trips per day (tiered individual pass)	Present Value of Economic Benefits:
Equity Impact: Passes require up- front payment, which may exclude lower income riders from benefits. Fare capping offers more equitable benefits.	
Financial	Delivery
Total required subsidy: \$40 million (tiered individual pass) \$80 million (trip-based fare cap) \$15 million (Clipper START fare capping)	Overall Assessment: low impact – readily deliverable with some technology changes and new organizational agreements.

- 2 -





What was tested?

- Option 2 100% discount for all local to local transfers (trips using multiple providers pay only one fare)
- Option 3a 100% discount for all local to regional transfers (trips using regional and local only pay the total regional fare)

What did we learn?

- The local to regional transfer market is the largest integration market in the Bay Area, local to local transfers are a smaller opportunity, but can support equity goals and overall fairness
- Combined, discounted transfers could generate up to 13,000 new transit trips a day with the lowest cost per new rider of Tiers 2-4
- These options are the least complex to implement and performed well in customer research, where customers valued their simplicity and reflection of fairness and value (reducing penalties to use multiple operators when required)



Strategic	Economic
Daily Ridership Gain: Option 2 (-1.2% subsidy): 11,500 trips per day Option 3(-2.5% subsidy): 25,500 Equity Impact: Net savings for equity priority populations; some additional subsidy to higher income riders	Present Value of Economic Benefits:
Financial	Delivery
Total required subsidy: Option 2 (-1.2% subsidy): -\$11.7m Option 3(-2.5% subsidy): -\$22.5m Cost per new rider:	 Overall Assessment: low impact Readily deliverable within planed Clipper 2 Requires multi-agency MOU
Option 2 (-1.2% subsidy): \$2.84 Option 3(-2.5% subsidy): \$2.25	
1 - 2 - 3 - 4 -	5 6 B A R T METROP





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Changes to Regional Service Fares and Local Discounts 3

Option 3b – Neighboring and Connecting Agencies with regional service integration

What was tested?

- 100% discount for all local to local transfers (trips using multiple providers pay only one fare)
- 100% discount for all local to regional transfers (trips using regional and local only pay the total regional fare)
- All regional services use a single distance or zonal structure (no transfer fees) \rightarrow test used a BART structure for all services
- Subsidy of \$70 million, future tests underway to better compare to T

What did we learn?

- Has ability to increase ridership beyond Tier 2 to up to 68,000 new trips per day (\$70 million in subsidy) but cost per rider increases, however cost per rider is significantly lower than Tier 4 options
- Additional riders are long distance travellers making use of the combined regiona network or use of re-priced regional services
- Customers identified this option is generally perceived as fair and reflects the value of a trip taken, however they noted additional tools would be required to fully understand it
- This option has moderate delivery requirements and could be delivered in stages (example: combining fares for two operators to start) or all at once



Strategic	Economic
Daily Ridership Gain: -7% subsidy: 68,000 trips per day	Present Value of Economic Benefits:
Equity Impact: With significant new subsidy, some riders with lower incomes would see fares rise to achieve regional standardization	
Financial	Delivery
Total required subsidy: -7% subsidy: ~\$70 m/year	Overall Assessment: low impact/medium impact
Cost per new rider: -7% subsidy: \$2.84	 Requires new agreements or governance structure for regional service Requires new technology Requires some regional customers to learn a new structure

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4 Changes to Regional and Local Fares

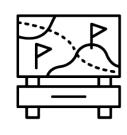
Option 4 – FBD on Regional, Flat Fare on Local

What was tested?

- FBD curve for all regional operators
- Single flat fare for all local operators no transfer fees (100% discount to local fare) when using regional
- Subsidy of \$75m/year, , future tests underway to better compare to T2

What did we learn?

- Ridership impacts similar to T3 although slightly lower as the FBD fare curve for this option must be higher to offset lost revenue from the local flat fare and maintain a comparable subsidy as T3 for comparison
- This option has higher cost per new rider than T3 but lower cost per new rider than Option 5 (Tier 4), this means it is generally more financially efficient than zones for all modes but less financially efficient than retaining individual local fares with free inter-operator transfers
- Customers noted that a local flat fare would be easier to understand than a free transfer but also noted it may lead to unfair changes in fares
- This option is more complex to deliver than T2/T3 due to governance requirements but easier to implement than T5 because it does not require extra readers on each bus



Strategic	Economic
 Daily Ridership Gain: -7% subsidy: 62,500 trips per day Equity Impact: Without significant new subsidy, some riders with lower incomes would see fares rise to achieve regional standardization 	Present Value of Economic Benefits:
Financial	Delivery
Total required subsidy: -7% subsidy: \$75 million / year Cost per new rider: -7% subsidy: \$3.28	 Overall Assessment: high impact Requires significant management and governance change for a sustainable structure Requires significant changes to agend operations Requires new technology on most regional operators (tap in, tap out)

5





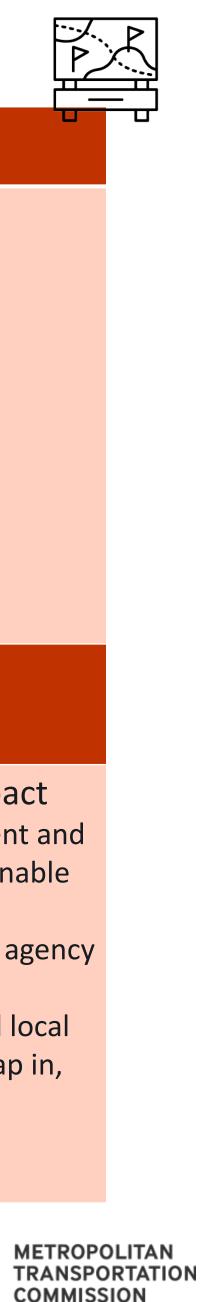


What was tested?

- 81 zones
- Fares increase based on number of zones travelled
- Zonal ad-fares are the same for all modes
- Three levels of subsidy \$100m/year, \$70m/year, \$12.5m/year

What did we learn?

- Ridership impacts are complex and vary from operator to operator due to the 'region-wide changes' (where some trips increase and other decrease in fare) included in this proposal
 - At \$70m per year, this option has a net loss of inter-county ullettrips and gains 44,000 net new trips (of these 50,000 gross are in San Francisco using bus and LRT)
 - At \$10-15M per year, this option has a region wide net loss in lacksquareridership (-2,000 trips) but it retains a net gain of 23,000 intercounty trips offset a loss of 25,000 inter-county trips
- This option has the highest cost per new rider and most challenging delivery requirements
- Customers noted that the number of zones included may be hard to understand and that the option does not inherently reflect value and fairness



Strategic	Economic	
Daily Ridership Gain: -10% subsidy: +75,400 -7% subsidy: +44,000 trips -1.25% subsidy: net loss of 2,000 trips per day Equity Impact: Without significant new subsidy, some riders with ower incomes would see fares rise to achieve regional standardization		
Financial	Delivery	
Total required subsidy: -10% subsidy: \$100m/year -7% subsidy: \$70m/year -1.25% subsidy: \$12.5m/year Cost per new rider: -10% subsidy: \$3.58 -7% subsidy: \$4.26 -1.25% subsidy: net ridership loss	 Overall Assessment: high impact Requires significant management ar governance change for a sustainable structure Requires significant changes to ager operations Requires new technology on all loca and most regional operators (tap in, tap out) Requires extensive change management for customers 	

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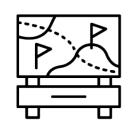


What was tested?

- 81 zones
- Fares increase based on number of zones travelled
- Zonal ad-fares are the same for all modes
- Two levels of subsidy \$100m/year and \$70m/year, , future tests underway to better compare to T2

What did we learn?

- Ridership impacts are complex and vary from operator to operator due to the 'region-wide changes' (where some trips increase and other decrease in fare) included in this proposal
 - At \$70m per year, this option has a net loss of inter-county trips and gains 44,000 net new trips (of these 50,000 gross are in San Francisco using bus and LRT)
 - At \$10-15M per year, this option has a region wide net loss in ridership (-2,000 trips) but it retains a net gain of 23,000 intercounty trips offset a loss of 25,000 inter-county trips
- This option has the highest cost per new rider and most challenging delivery requirements
- Customers noted that the number of zones included may be hard to understand and that the option does not inherently reflect value and fairness



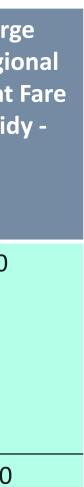
Strategic	Economic		
 Daily Ridership Gain: 12% subsidy: 86,000 Equity Impact: Without significant new subsidy, some riders with lower incomes would see fares rise to achieve regional standardization 	Present Value of Economic Benefits:		
Financial	Delivery		
Total required subsidy: 12% subsidy: \$115 million / year Cost per new rider: 12% subsidy: \$3.67	 Overall Assessment: high impact Requires significant management and governance change for a sustainable structure Requires significant changes to agent operations Requires new technology on all location and most regional operators (tap in, tap out) Requires extensive change management for customers 		
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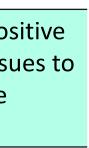




Performance Summary – Relative Performance

		-							
Dimension	Metric	Option 2 – Discounts (local/local, local/regional free discount) (Low Subsidy -1.3%)	Option 3a (O2 + region/regional discount) (Low Subsidy -2.5%)	Option 3b – Integrated Regional Structure with free local transfers (higher subsidy – 7%)	Option 4 – Integrated Regional Structure with local Flat Fare (higher subsidy – 7%)	Option 5- Small Zones for All Services (highest subsidy -10%)	Option 5- Small Zones for All Services (higher subsidy – 7%)	Option 5- Small Zones for All Services (Low Subsidy -1.3%)	Option 6 – Large Zones for Regio with Local Flat I (highest subsidy 12%)
Strategic	Ridership	11,500	25,500	68,000	62,500	75,400	44,000 (includes 50,000 new intra- county trips but - 6,000 inter county trips)	-2,000	+86,600
	VMT	-120,000	-290,000	-850,000	-775,000	-170,000		+412,000	-984,000
	Equity	Topic of d	iscussion with the Sub	committee: How best 1	o reflect equity in a si	ngle measure when a	Il options provide posi ⁻	tive financial and acce	ess benefits?
	Experience	Generally positive feedback	Generally positive feedback	Generally positive with some issues to resolve	Generally positive with some issues to resolve		Mixed feedback		Generally positivity with some issue resolve
Economic	BCR								
	NPV	Economic benefits still under analysis as of September 10, 2021							
Financial	Subsidy	\$10m	\$22.5 m	\$70m	\$75m	\$100m	\$70m	\$12.5m	\$115m
	Cost per New Rider	\$2.84	\$2.97	\$2.84	\$3.28	\$3.59	\$4.26	No new riders	\$3.67
Implementation	Overall Risk and Impact Assessment	Low impact	Low Impact	Medium impact	High impact	High impact	High impact	High impact	High impact
Legend									
Wea ₄₇ perforn		Moderate performance	Stronge Performa		1	2 3 -	4 - 5 -	6 BART	METROPO TRANSPO COMMISS









Overall Summary: Tier Performance



Overlays

- **Strengths** predictable impacts (ridership, revenue), readily deliverable
- Potential Issues and Weaknesses – frequency or opt-in based, does not support ridership growth outside of those who purchase the pas or hit the cap



Transfer Discounts

- **Strengths** resolves integration price barriers, simple rules, complete coverage, deliverable under C2
- Potential Issues and Weaknesses – customers still interact with multiple structures, does not fully solve experiential barriers



Regional Change

- Strengths same as Tier 2, however all regional trips use one structure which may augment customer experience and lead to additional ridership
- Potential Issues and Weaknesses – more challenging to implement and manage without governance changes

4



Regional + Local Change

- **Strengths** one structure for region may improve customer experience
- Potential Issues and Weaknesses – Many riders experience fare changes (either higher prices or new subsidy) not directly related to promoting multi-agency travel
- Requires significant governance changes, expanded infrastructure, and change management at the customer and agency level





Emerging/Draft Recommendations

1



Phase A - Pre Clipper 2

- Pilots All-agency institutional/employer pass pilot
- Continued evaluation of a tiered pass product or trip based cap

2

Option 3a – Double Fare Discount (local/local, local/regional, regional/regional)

Phase B - Clipper 2 Launch

- Provide a free (or discounted) transfer between all operators (local and regional)
- Consider implementation of a tiered pass product or trip based cap if sufficient subsidy is available







Option 3b – Continue to evaluate options for integration of fares for regional services

Phase C – Long Term Post C2

- Continue to assess benefits and costs of Tier 3 Fare Integration (standardized fare structure for regional services)
- Advance this option in the context of broader evaluation of post-COVID ridership, role in the region, and funding strategy for regional services





Recommended: Regional Institutional/Employer Pass Pilot

Bulk pass program definition

- All agency / all-you-can-ride passes that institutions or employers buy in bulk
- Price set to achieve subsidy parity with other fares; pricing likely based on business location
- Modelled on Puget Sound Region's Orca Business Passport program
- Comparable to agency-specific passes offered today (ie Caltrain, AC Transit, VTA, others)

Pilot Goals

- Evaluate a barrier-free all agency transit pass to build toward broader fare integration in 2023
- Engage Bay Area institutions and business community in transit success
- Promote post-COVID transit recovery
- Collect data that could be used as the basis for revenue model for permanent program













Recommended: Regional Institutional/Employer Pass Pilot

Phase 1 (2022)

- Focus on colleges and universities
- Leverage existing agency relationships to establish program quickly

Phase 2

- To be designed and implemented based on learnings from Phase 1, and tentatively to include:
 - Expansion to include private employers and affordable housing residents
 - Work with business organizations and NGO's

Challenges

- Similar offerings tend to serve either students or white-collar workers program will need a strong equity focus to achieve balance
- Significant administrative cost / staffing requirements
- Clipper 1 implementation requires 100% of agencies to sign-on
- Revenue risk pilot will require funding to backstop agency revenue

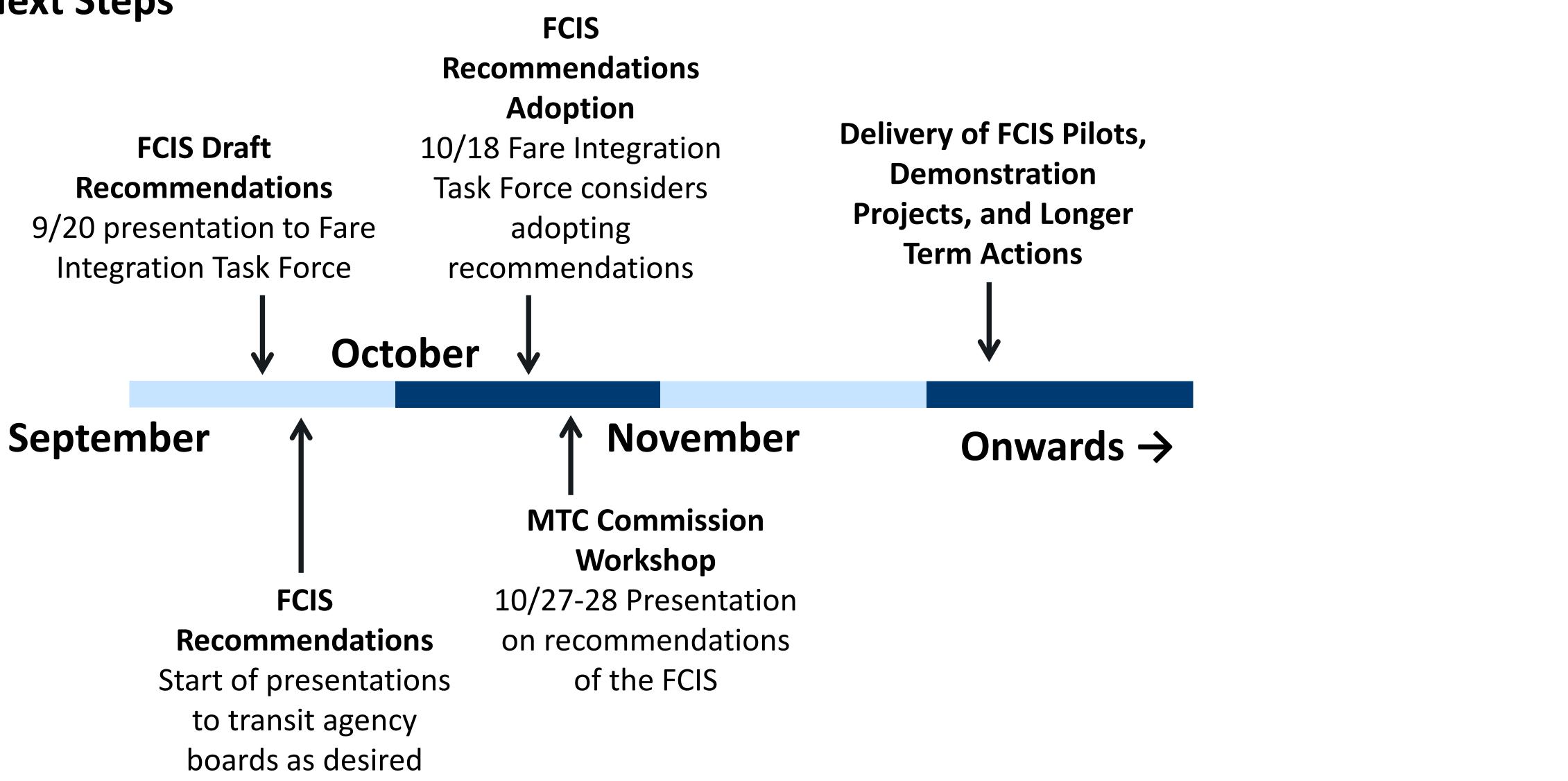








Next Steps

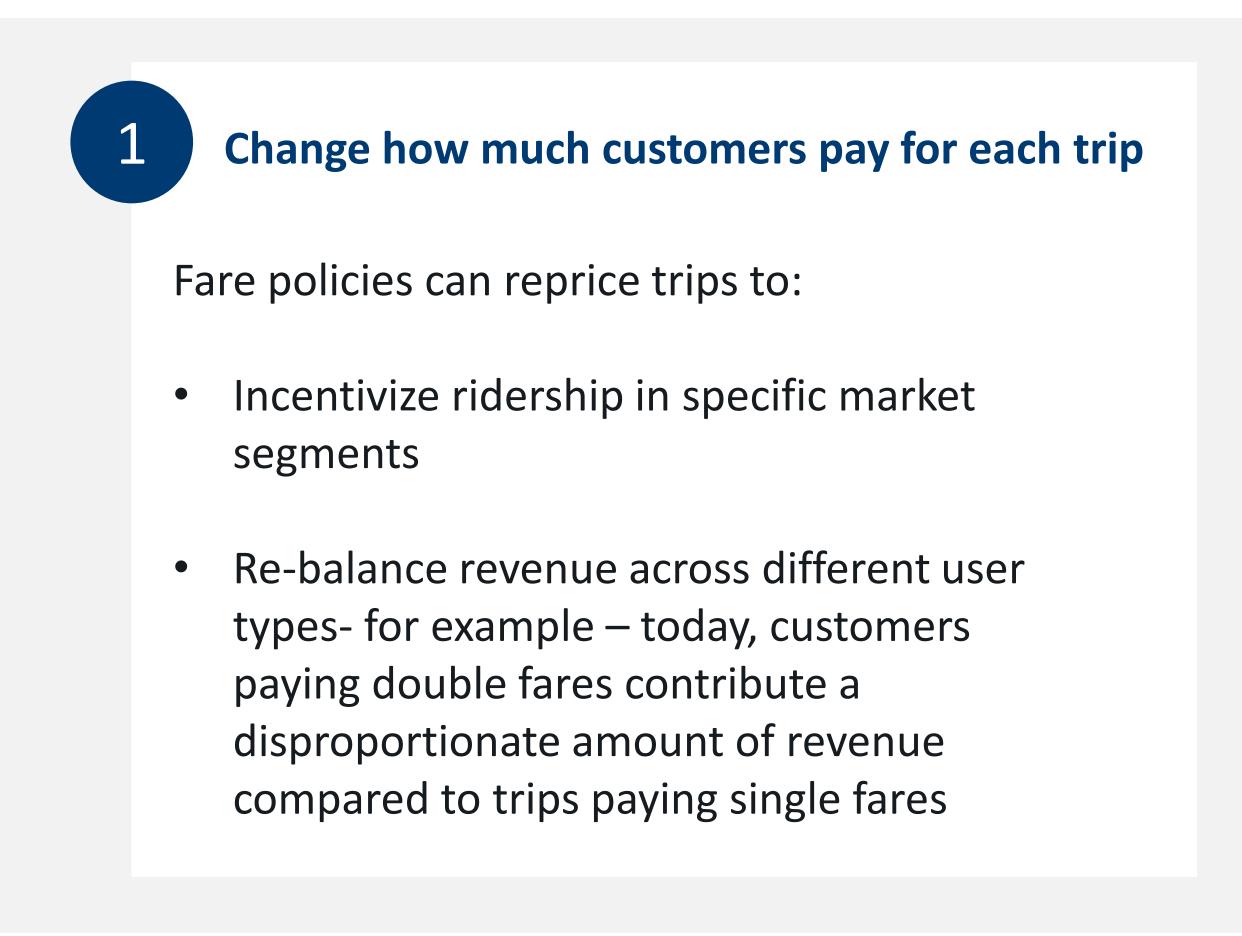




Appendix

What policy tools can be used to implement fare integration?

Price barriers, learnability/legibility, equity, and affordability can all be influenced through two types of fare integration policy changes.



2 Change the amount of subsidy

Decision makers can deploy additional subsidy to support fare integration:

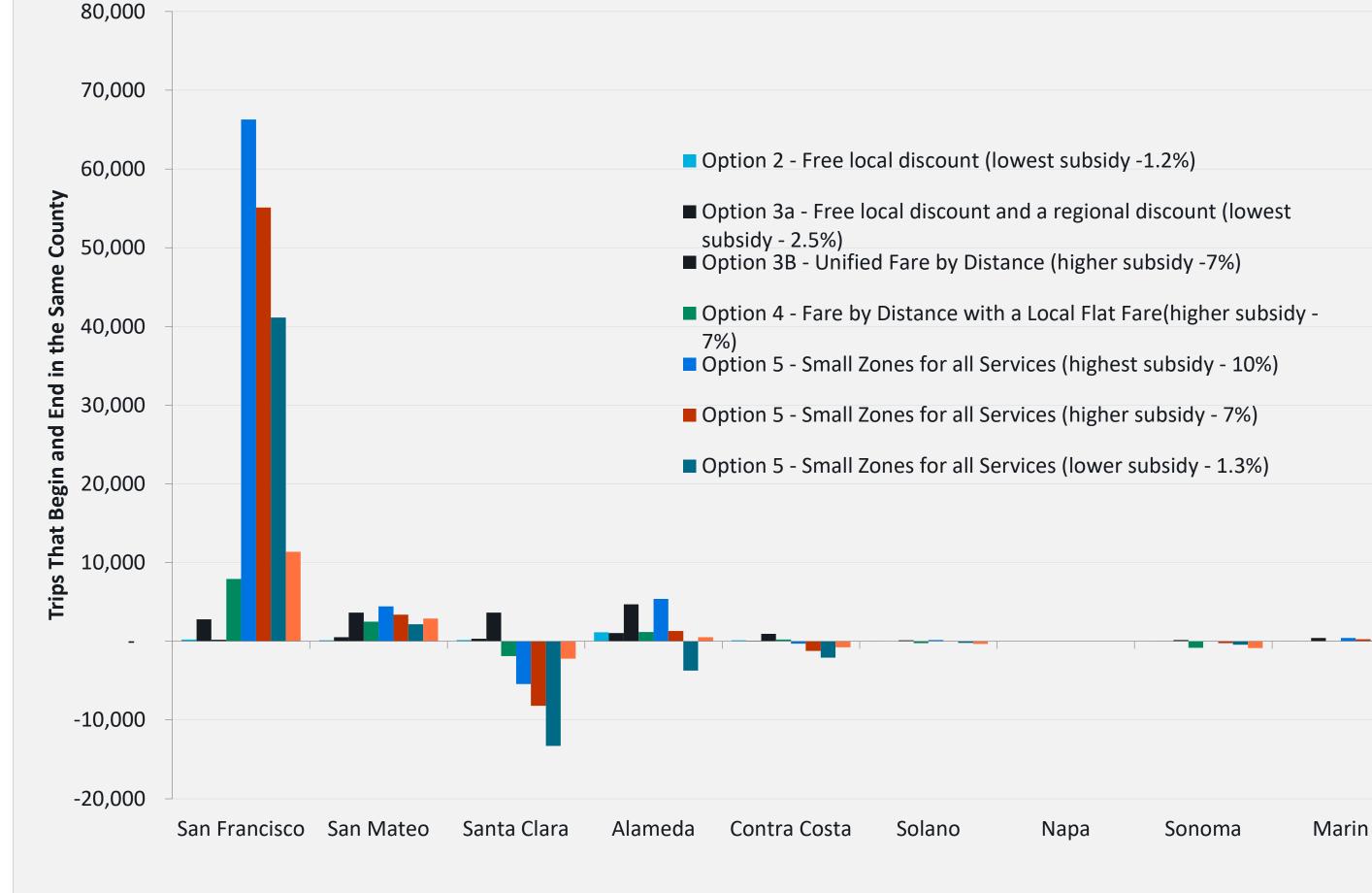
- Replacing revenue lost from removing pricing barriers
- Supporting delivery of capital and operational changes required for integration



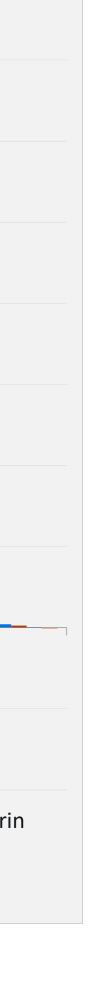
Ridership Comparison: Trips that Begin and End in the Same County

 A deep dive into ridership changes for trips that start and finish in the same county notes the following:
 The majority of new ridership generated by the high-subsidy variant of Option 5 - Zones is in San Francisco (~60,000 new trips using bus or LRT), with other counties seeing smaller changes and Santa Clara County seeing a net

- changes and Santa Clara County seeing a net loss of ~5,500 trips per day, with lower levels of subsidy these losses are more significant
- Option 3b generates moderate increases in travel within counties – typically for longer distance trips
- Option 2/3a generates fewer trips within one county, and all net new trips make use of multiple operators



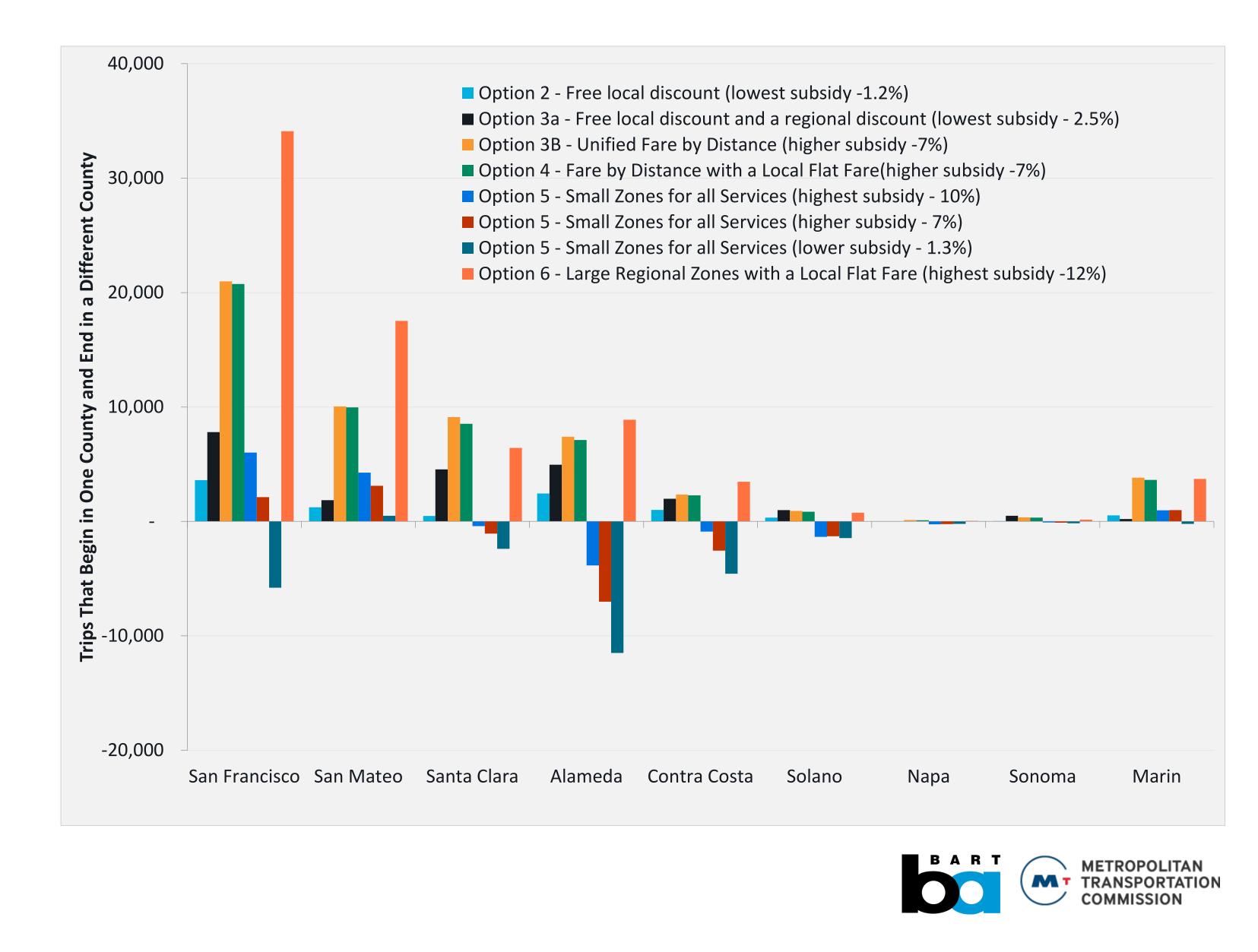




Ridership Comparison: Trips that Start and Finish in Different Counties

A deep dive into ridership changes for trips that start and finish in different counties (see graph to right, x-axis is origin county) notes that:

- Option 5 zones generates trips starting in San Mateo (and finishing elsewhere) and San Francisco (finishing elsewhere) but loses ridership for trips starting in Alameda, Contra Costa, Napa, and Sonoma due to how the zonal structure adversely impacts pricing - under a lower subsidy scenario losses are more significant
- Option 2/3a does not have any trip losses and enables ridership growth in all counties except for Solano and Marin
- Option 3b enables broader ridership growth at a comparable level of subsidy to the lower-subsidy variant of Option 5

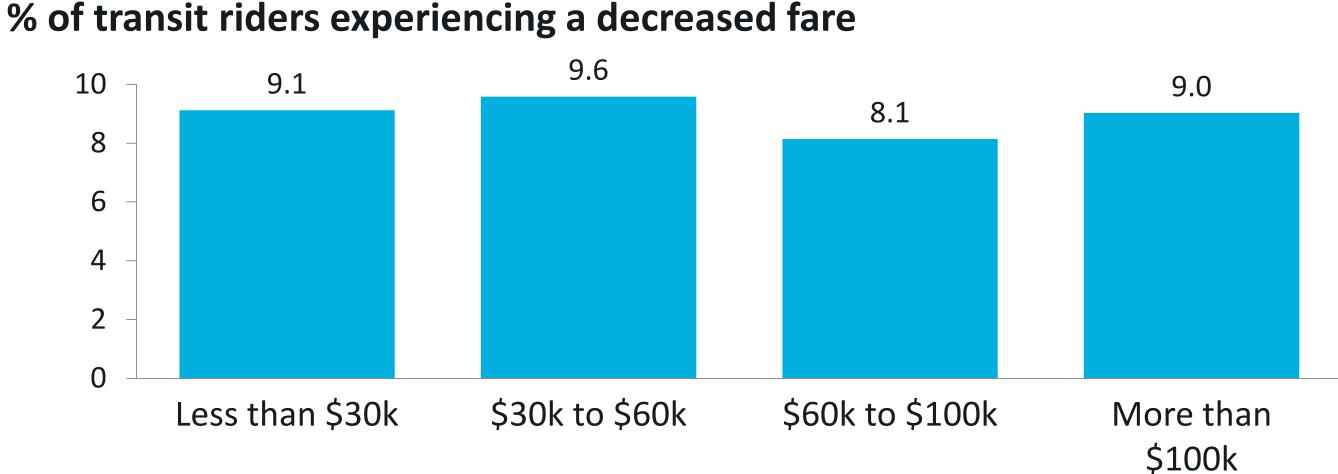


Strategic Metric 3 – Preliminary Equity Findings for Tier 2 Discounts

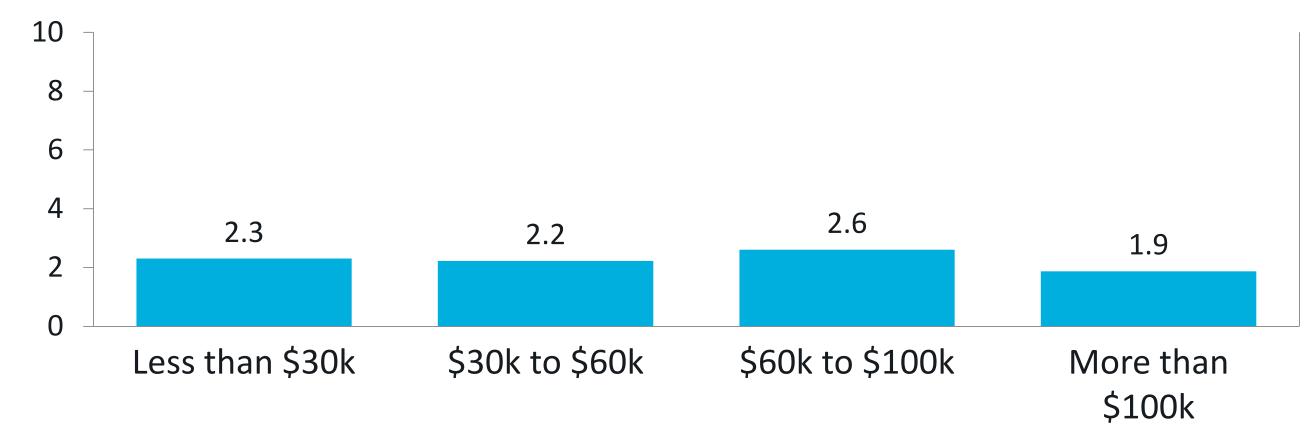
Equity impacts are a key consideration for the formulation of fare policies. This metric will review the extent to which each policy impacts priority areas for equity policy in the Bay Area.

Under the Tier 2 Discount, about 12% of transit riders saw a change to their transit fares. Most of them experienced a fare decrease.

Those making an income less than \$60k have the greatest share of individuals who experience a fare decrease, which is a positive equity outcome.



% of transit riders experiencing an increased fare







Management – low impact

Can be delivered with agency to agency agreements

or

Can be delivered and managed centrally across the region \rightarrow increased revenue allocation and pricing complexity

Technology – low impact

Can be delivered with existing technology or with C2



Agency Infrastructure and Operations – low impact

- Minimal changes can be rolled out with operator training on the passes with some investment in marketing and communications
- Could also be marketed and communicated centrally

Customers – low impact

If a pass, it is opt in and will require marketing advertising

or

If a cap, the cap should be advertised broadly but will automatically apply to customers and will not require additional action to access



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		_

2 Transfer Discounts – Delivery Requirements

Management – low impact / medium impact

Can be delivered with agency to agency agreements

or

- Can be delivered and managed centrally across the region
- Will require a formula for revenue allocation either centrally or on agency pair basis

Technology – low impact

Can be delivered with existing technology on a limited basis or completely with C2 under the initial roll out



Agency Infrastructure and Operations – low impact

- Minimal changes can be rolled out with operator training (to message the discounts) and supporting advertising material
- Could also be marketed and communicated centrally

Customers – low impact

- Only customers using multiple agencies are impacted – change management would focus on explaining the discount, although it is applied automatically
- If a general region-wide discount rule is applied (example: only pay highest fare, only pay regional fare) change management is simpler to roll out



3 Regional Change – Delivery Requirements

Management – low impact / medium impact

Can be partially delivered with agency to agency agreements – for example, two regional operators making a single fare structure

or

□ Can be delivered centrally across the region → one manager is responsible for setting fares and developing a formula for revenue allocation

Technology – medium impact

Requires C2 and new fare setting approaches for one or more agencies



Agency Infrastructure and Operations – medium impact

- Requires new fare collection infrastructure, marketing materials, and staff training for all agencies that are integrated
- This could be done on an agency by agency basis or centrally

Customers – low impact / medium impact

 End fare structure will either be FBD or zones across all regional operators – all operators already use a form of FBD or zones, so the change management process would focus on helping a select set of customers understand the new structure and make best use of it





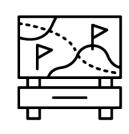
4 Regional + Local Change Zones on All Modes – Delivery Requirements

Management – high impact

- Fare setting authority would need to be transitioned from local agencies and regional agencies to a central manager to ensure sustainable change (agreements are unlikely to sustain a regional fare structure over the long term)
- Requires an overhaul of revenue allocation and/or subsidy/funding allocation

Technology – medium impact / high impact

- Requires C2 and new fare setting approaches for all agencies
- Region wide zones would require tap off or a 'check out' function on buses



Agency Infrastructure and Operations – high impact

- Requires a range of new fare collection infrastructure, marketing materials, and staff training for all agencies across the region – likely requires a centralized approach
- Check out function on buses could have boarding / alighting impacts and operational impacts over the short to medium
- As fares change, some operators will require additional funding to cover shortfalls in fare revenue while maintaining level of service

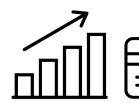
Customers – medium impact / high impact

- Customers will have to learn FBD/zones for regional (see previous slide)
- Customers will either learn a flat fare for local (limited impact) or a zone structure which is more complex and will have wide-ranging changes for trips that used to be under an operator flat fare



Customer Experience - Overlays

Overall Lessons Value For new or infrequent riders, this option may be easier to understand compared to other options as one rule applies to all services. Good value as it always guarantees a discount of some sort Riders perceive caps as greater value than a pass, especially amongst those whose transit trips were random while passes were preferred when the travel routine was Fairness predictable and involved frequent trips. • Cap: Flexible, feel good about taking extra trips (over the cap) knowing they're Deemed as most fair most often, including low-income participants. "free". Legibility Pass: Convenient, peace of mind, assume or expect a significant discount for paying upfront **Cap**: participants had issues understanding or had a different understanding of how Riders' preferred cap/pass duration depend on how they plan and budget (e.g. caps work weekly, monthly) **Pass**: while not as challenging as caps, some participants did misunderstand or have Rolling duration for cap/pass maximizes its value, but can be challenging for riders to a different understanding of what passes offered remember the start and end of the duration.





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Overall Lessons

- Riders perceive value in getting part of their trip for free but may feel that the discount is small in comparison to the total trip cost (e.g. paying for a long trip on a regional service).
- While it can be easy to understand conceptually, it may not be easy for a rider to know what to pay unless they know which service is the most expensive.



Value

Cap: value comes in free trips after cap and its perceived flexibility

Pass: provides peace of mind, but deep discounts expected

Fairness

□ Not explored in current research

Legibility

Conceptually easy to understand but may be impacted if in the future it isn't "only" paying for the most expensive part of the trip"









Overall Lessons

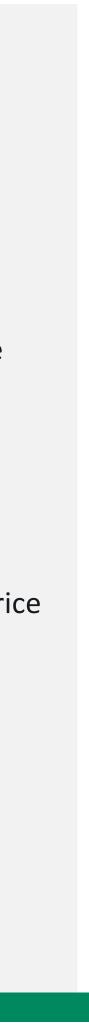
- While riders may find it fair to pay by mileage, they also feel fares may be exper for long trips, even when there is a distance-based cap in place.
- With the cap, riders know their fare will not exceed a certain price, but fares for that don't reach the cap may fluctuate more based on distance changes.
- Framing transfers to local services as "free" gives riders a sense of value.



	Value
nsive	May feel expensive but cap and free transfers to local services are good value
r trips	Fairness
	Deemed as most fair after Option 2, but this view is not shared by low-income participants
	Legibility
	Conceptually easy to understand, but will need tools to determine distance/price









Customer Experience - Regional + Local Change Zones on All 4 Modes

Overall Lessons

- It is easy to understand and remember the price of fares for local services.
- There are concerns that the single flat fare is higher than current local service prices, making it unfair to some riders in the Bay Area.
- Framing transfers to local services as "free" gives riders a sense of value.
- While riders claim this option is easy to understand, they often don't consider what happens for regional services or misunderstand that regional services are also a flat fare.



Value

Good value for local-service-only trips, free transfers are good value

Fairness

Concerns about local service fares increasing in certain areas

Legibility

Conceptually easy to understand for trips only pertaining to local services, but erroneously apply the same rule to regional services



