

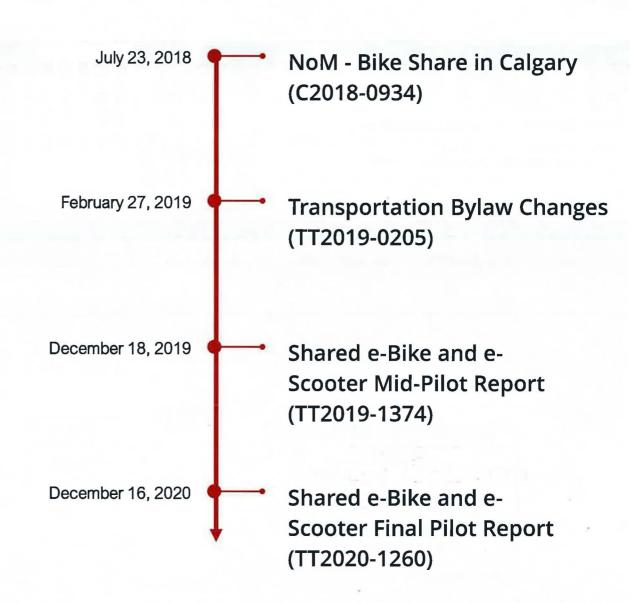




Background

Bike Share in Calgary NoM

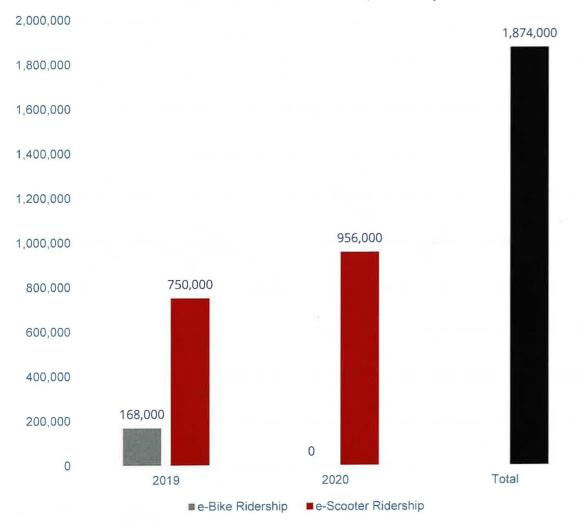
- Two-year pilot
- Program must be owned and operated by a 3rd party
- A permit and fee structure that covers administrative costs to regulate and manage the pilot program
- A pilot consisting of up to 10,000 bicycles, scooters or other personal mobility devices



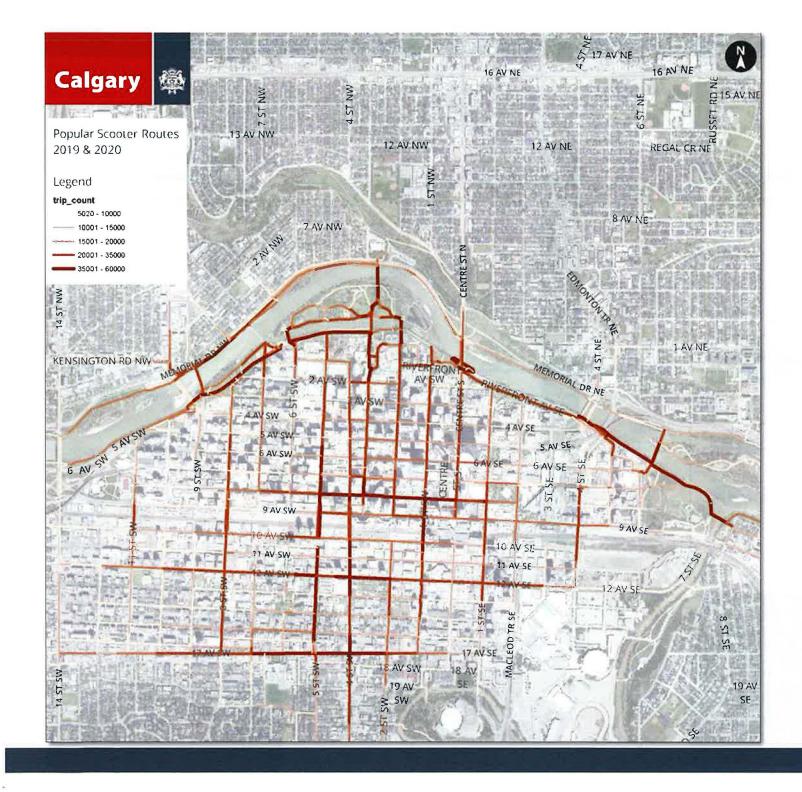


Ridership

e-Bike and e-Scooter Ridership



Company	2019	2020		
₩ Lime	500 e-Bikes 1,000 e-Scooters	1,300 e-Scooters		
BIRD CANADA	500 e-Scooters	1,000 e-Scooters		
ROLL	N/A	500 e-Scooters		



Most Popular Destinations

- Stephen Avenue
- Kensington
- East Village
- 17th Avenue SW
- 4th Street SW
- Eau Claire

Most Popular Routes

- Bow River Pathway
- Stephen Avenue
- 17th Avenue SW
- 5th Street SW
- 12th Avenue S



Key Issues

User Behaviour



Parking



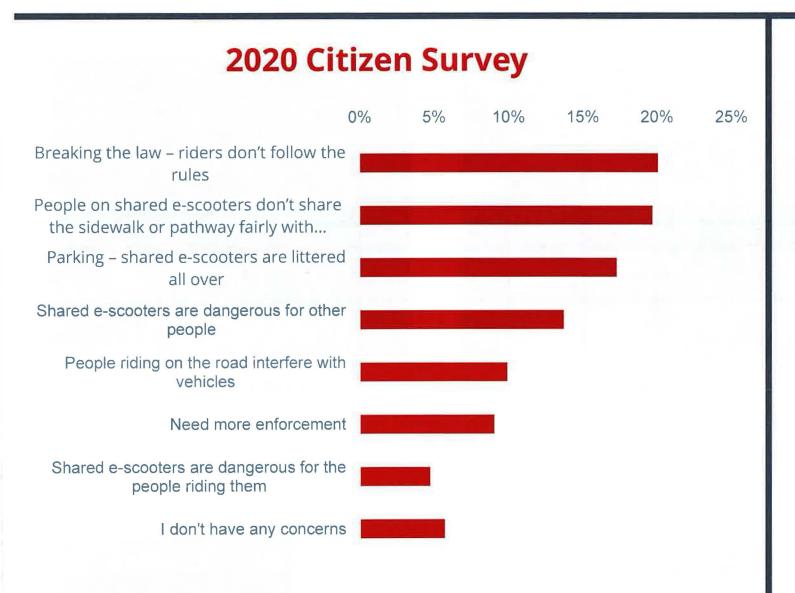
Safety

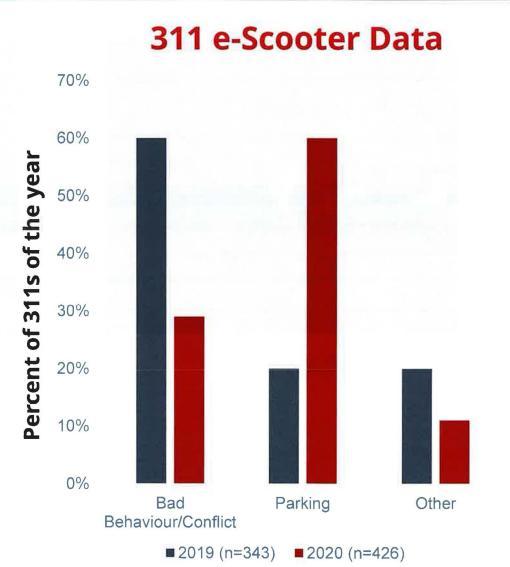


Image credit – The Verge



User Behaviour - Key Data





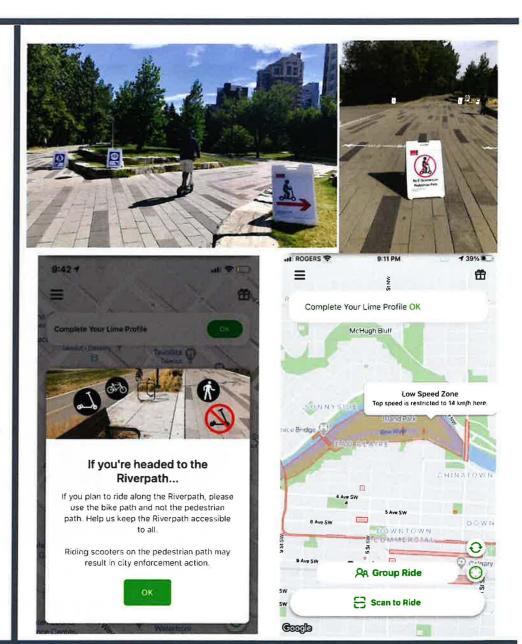


User Behaviour - What we have done



311s in Slow Speed Zones				
Slow Speed Zone	2019	2020		
Kensington	12	2		
Stephen AV	5	2		
Inglewood	1	3		
4 ST SW (Mission)	9	4		
Total	27	11		

39 Bylaw Tickets







User Behaviour - What we will do



San Francisco

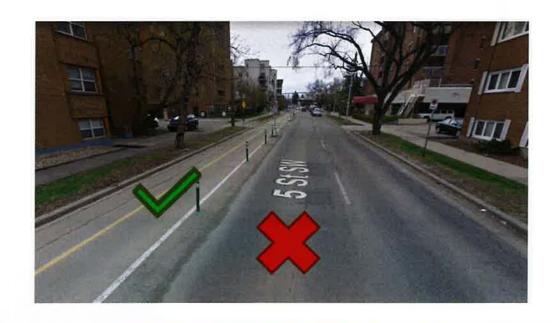
Unique Identification Number Requirement



User Behaviour - What we will do





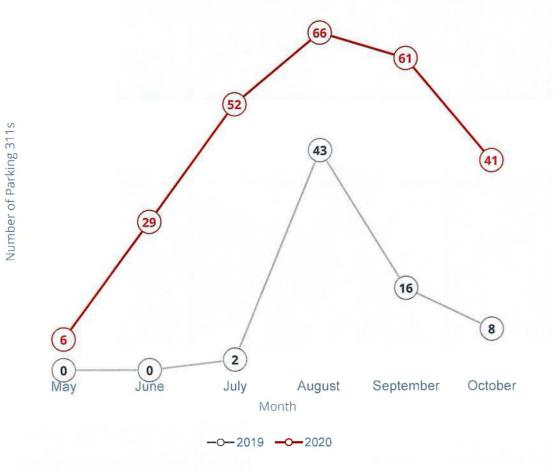




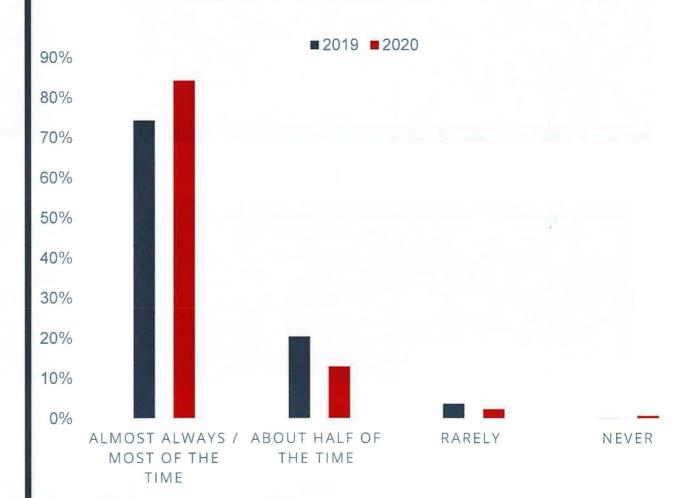


Parking - Key Data

E-Scooter Parking 311s



Ability for users to find an e-Scooter





Parking - What we have done







- 30 Zones Trialed
- 2.5% of users ended trips in zones
- 10% of scooters deployed by companies in zones



188 Tickets in 3 Month Period



Parking - What we will do

1,500 Permitted e-Scooters



Fine Companies Directly



Parking in a Smart Beacon parking area

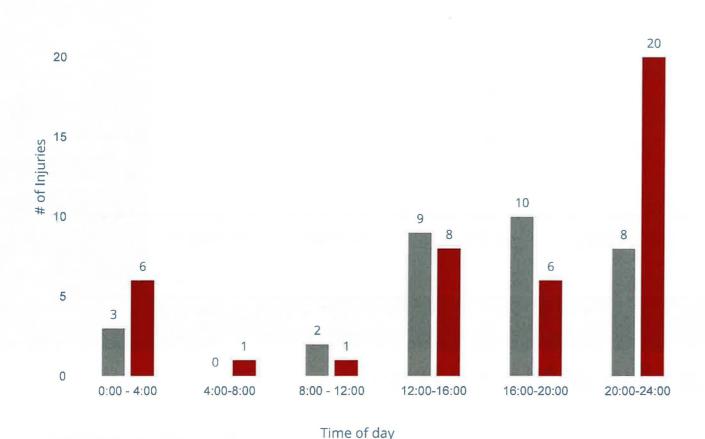
\$20 per device fee to build device infrastructure + working with the companies to incentivize better parking



25

Safety - Key Data

Injuries Requiring EMS - Time of Day



2019 2020

- 71 out of 75 people injured during the pilot were riding on an e-Scooter; three incidents involved pedestrians and one incident involved a person cycling
- The average age of a person injured was 35 years.
- Common causes of injuries occurred due to losing control, removing a hand or foot while in motion, and environmental hazards in the built environment such as riding over gravel, potholes or transitioning over a curb.
- Alcohol was a factor in at least 28 of the injuries
- There were 0 fatalities and 0 admissions to the ICU



Safety - Key Data

Injuries Requiring EMS - Comparison

Type	2019 (July 8 to October 31)			2020 (May 22 to September 30)				
	E-Scooter	Bicycle	Vehicle	Motorcycle	E-Scooter	Bicycle	Vehicle	Motorcycle
Emergency	33	197	502	103	42*	484	617	166
ICU	0	4	17	3	0	3	og e 111200 ju	5
Fatality**	0	1	3	0	0	3 3 3	рилора 4 да в в	susau -1
Surgery	8	33	51	35	24	109	79	57

09/01/2019

^{*}There were an additional 25 e-Scooter injuries requiring EMS that did not contain detailed patient records in 2020.

^{**}Fatality numbers do not include those who died on site. There were no e-Scooter fatalities.



Safety - What we have done



Bird Canada – Distributing Free Helmets in 2019

Safety video

Watch this video to learn a few safety tips you should know while scooting on Calgary's sidewalks, pathways and bicycle lanes.





Safety - What we will do

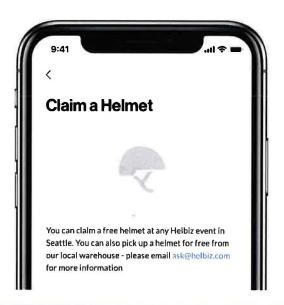
Competitive Process

Seattle - Attach a description and illustrative images of the helmet distribution plan:

- incomplete= disqualified
- complete=0
- complete, incentivizes use while riding=1
- complete, requires use while riding, examples from other cities=2-3











Going forward - Program Funding

Current: Permit Fee Based

\$60 per e-Scooter

+ Security Deposit

2-year pilot

\$163,000 Costs

\$177,000 Revenues

Future: Permit + Trip Fee

\$0.15 per Trip

\$20 per device per operating year for

infrastructure

+ Security Deposit

Future Costs Estimate – per year

\$60,000 Staff Time + \$30,000 Infrastructure

Will need 400,000 rides per year + 1,500

devices



Summary of Changes

- Requiring a unique identification number on every device
- Allowing shared e-Scooters on low speed / low volume roadways
- Limiting the number of e-Scooters to 2019 levels (1,500 Devices)
- Allowing The City to issue parking fines directly to the companies
- Taking in company funding to allow for more parking infrastructure
- Moving to a permit fee + per trip fee to fund the program



Recommendations

RECOMMENDATION(S):

That the Standing Policy Committee on Transportation and Transit recommend that Council:

- 1. Allow private sector operation of shared micromobility services with the conditions that:
 - a) Operators must cover City administrative costs to regulate and manage the program; and
 - b) Obtain City permission and follow all requirements in order to operate
- Give three readings to the proposed bylaw to amend the Calgary Traffic Bylaw 26M96 (Attachment 3)





Current Fee Schedule

D. <u>Fee Schedule</u>

A summary table of the fees is provided below.

Fee Type	Fee Amount	Fee Information		
Application for Permit	\$600 per application \$300 per re-application.	 Fees due at time of application Re-applications are for requests to increase fleet sizes 		
Street use Permit	\$50 per Electric Scooter based on approved fleet size	Due before a Permit is issued or when fleet size increases		
Electric Scooter education and encouragement	\$10 per Electric Scooter	Due before a Permit is issued or when fleet size increases		
Security deposit	\$25 per Electric Scooter to a maximum of \$15,000 per Permit Holder	Due before a Permit is issued or when fleet size increases		



E-Scooter Caps

City	State	Per Operator Scooter Cap		
Alexandria	VA	200		
Arlington	VA	675		
Atlanta	GA	2,000		
Austin	TX	4,500		
Charlotte	NC	400		
Chicago	IL .	250		
Cincinnati	ОН	400		
Cleveland	ОН	400		
Columbus	ОН	500		
Dallas	TX	4,000		
Denver	CO	684		
Indianapolis	IN	1,000		
Kansas City	МО	1,000		
Los Angeles	CA	6,500		
Louisville	KY	450		
Memphis	TN	900		
Miami	FL	744		
Milwaukee	WI	750		
Nashville	TN	500		
Oakland	CA	1,000		
Orlando	FL	200		
Phoenix	AZ	300		
Portland	OR	525		
Salt Lake City	UT	600		
San Antonio	TX	1,000		

Calgary 🕸







Commercial Areas

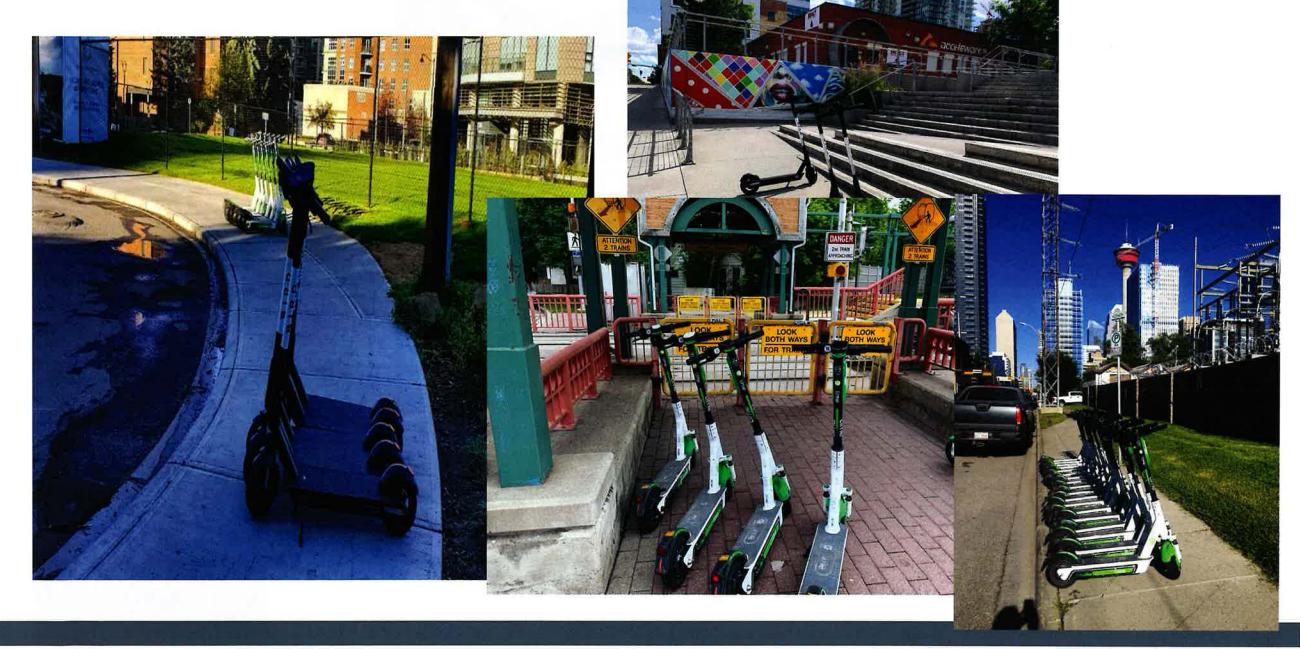




Bad Parking Example

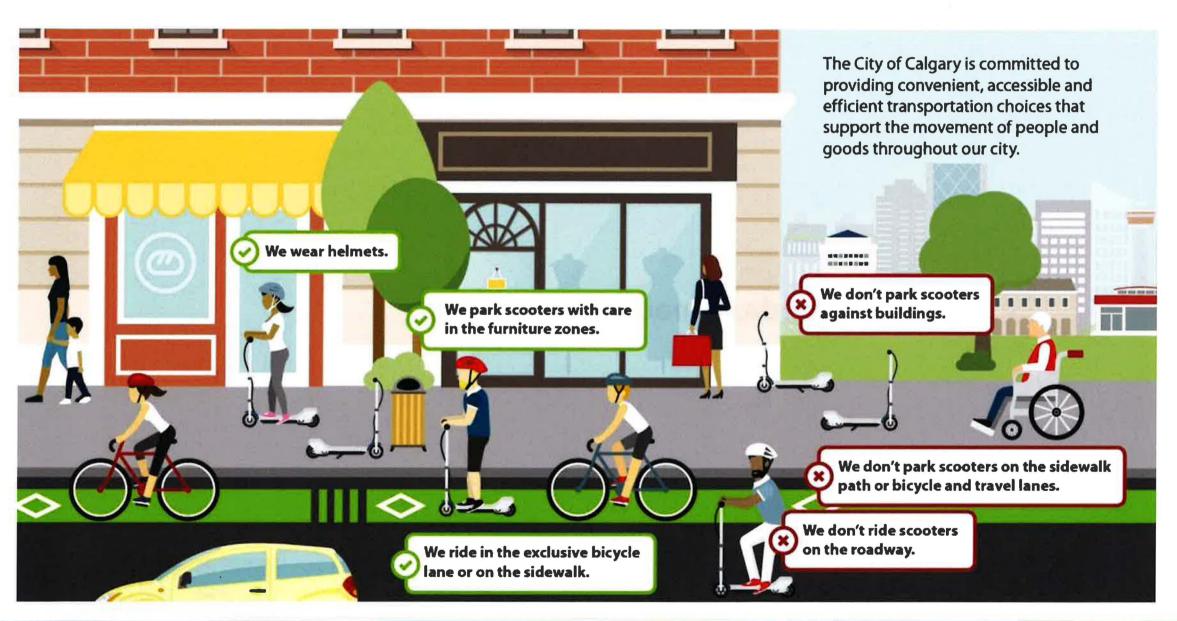








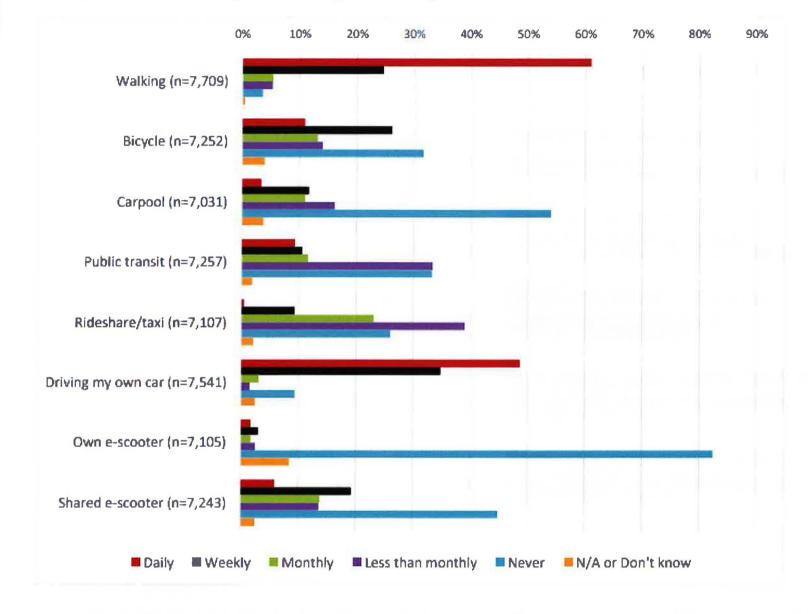
Current Rules





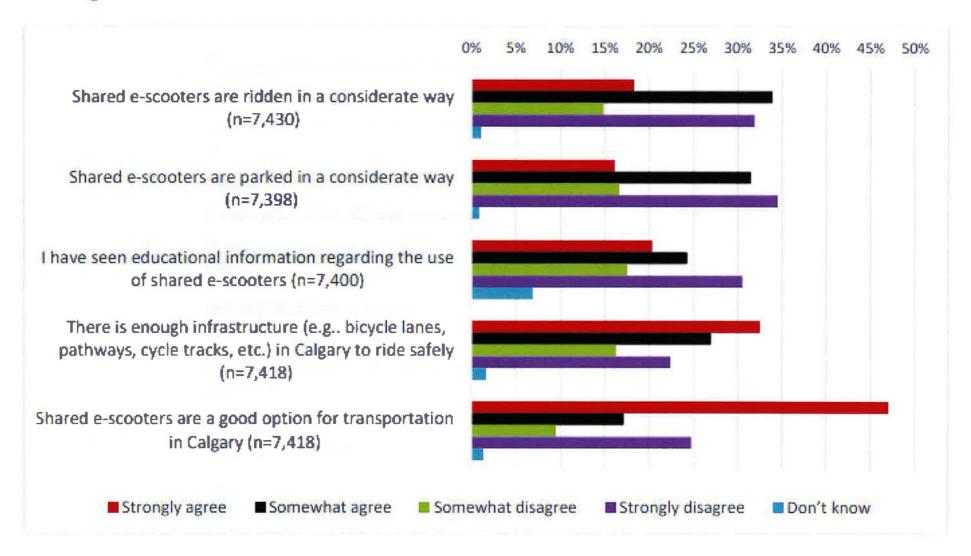
2020 - What we heard report

1. In general, how often do you travel using the following?

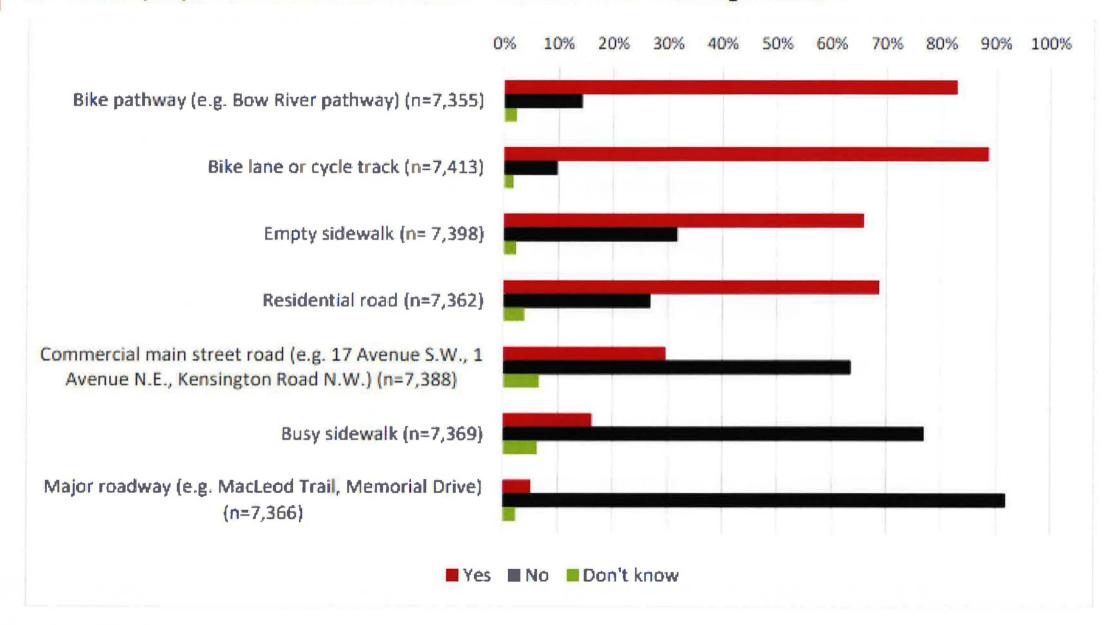


Cal

Thinking about the day to day use of shared e-scooters, how much do you agree or disagree with the following statements:

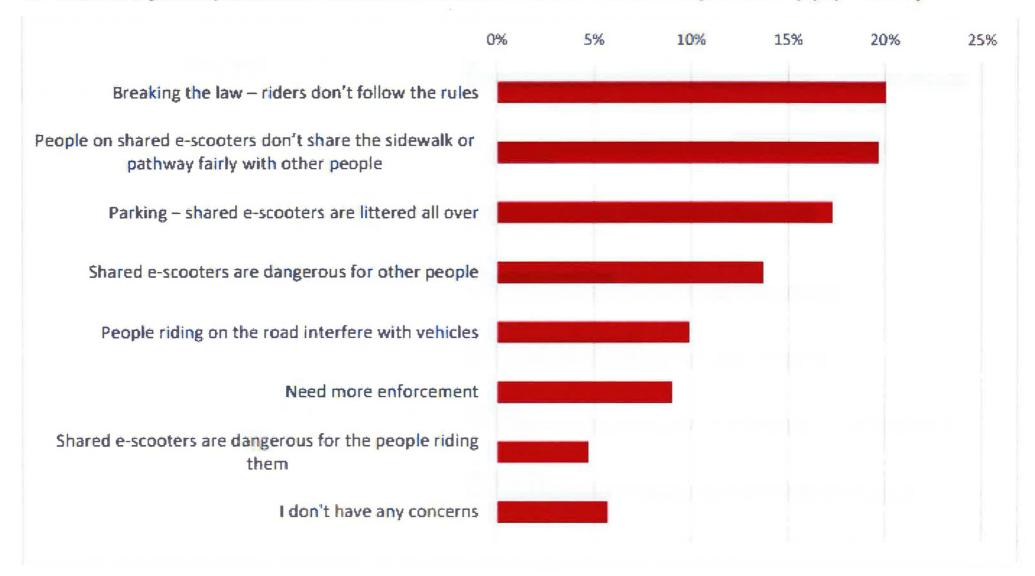


3. Should people be allowed to ride shared e-scooters in the following locations?



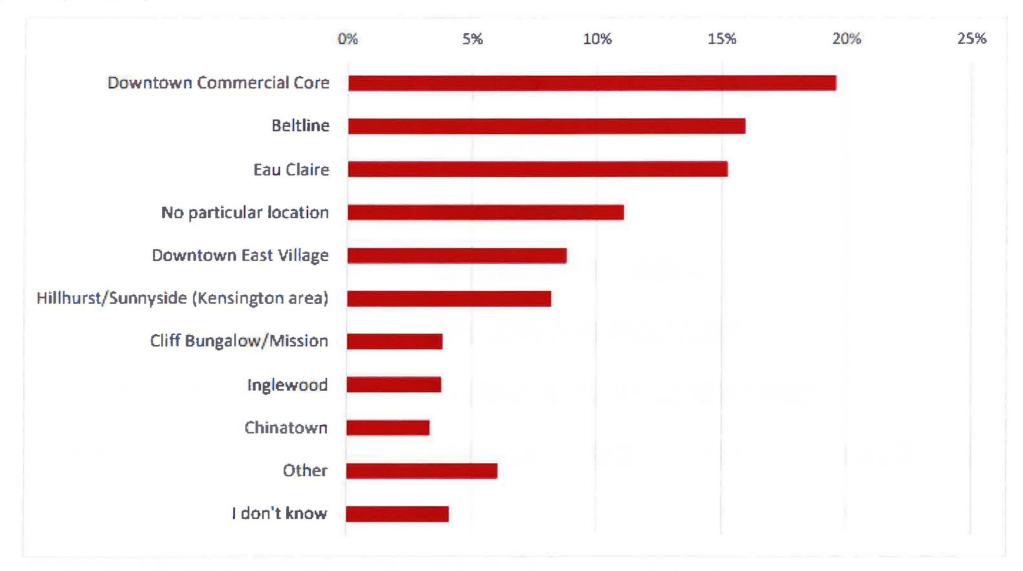


4. What are your top concerns with shared e-scooters? Please select up to three (3). (n=6,875)

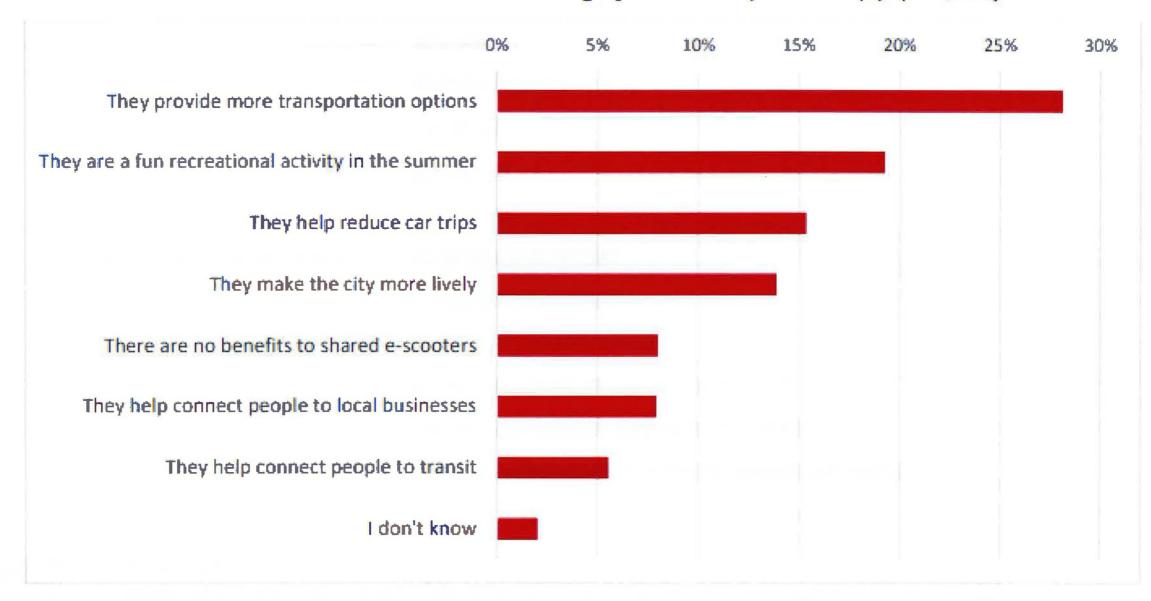


Calg

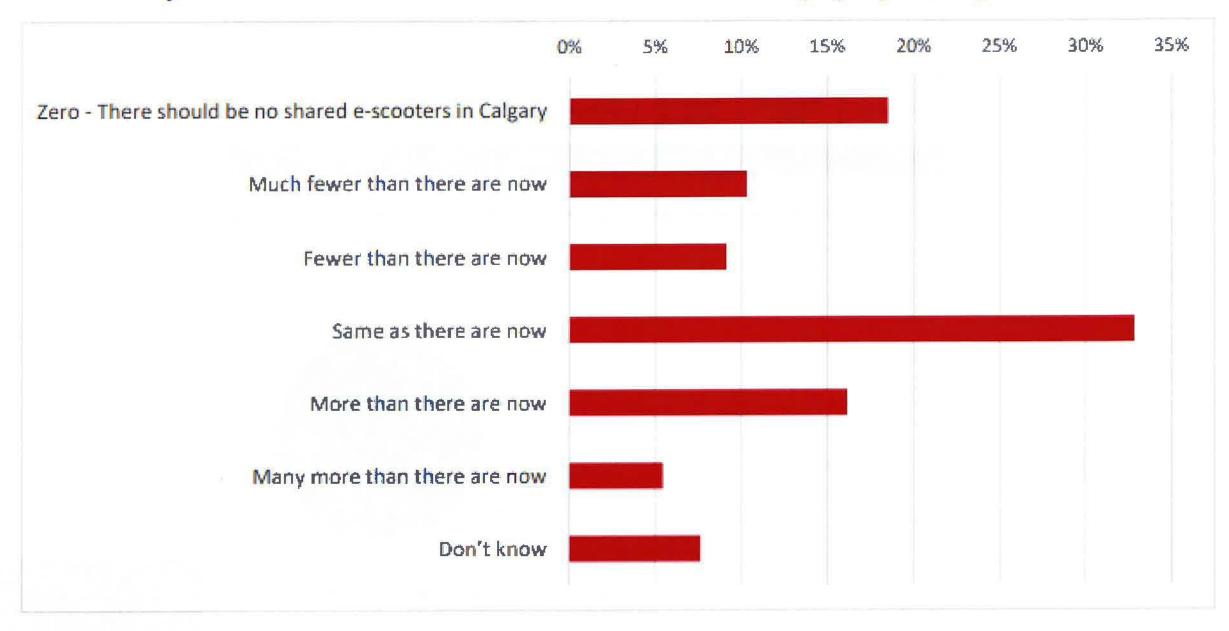
 What are the main areas where you have experienced these concerns? Choose up to three (3). (n=6,562)



6. What are the benefits of shared e-scooters in Calgary? Choose up to three (3). (n=7,252)



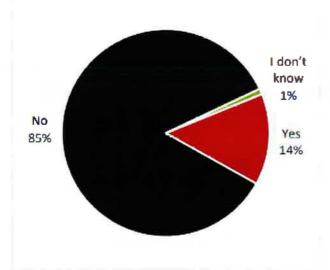
7. What do you think is the ideal number of shared e-scooters in Calgary? (n=7,232)







8. Have you tried to contact the companies which operate the shared e-scooters? (n=7,237)

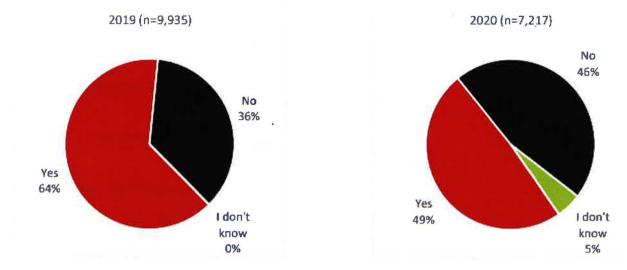


Questions 9-14: Have you contacted the following shared e-scooter company, and if yes, how satisfied would you say you were with the response you received?¹

Satisfaction of participants who answered "Yes"						
Company	Very satisfied	Somewhat satisfied	Neither satisfied nor dissatisfied	Somewhat dissatisfied	Very dissatisfied	Don't know
Bird (n=419)	46%	13%	5%	7%	26%	1%
Lime (n=850)	40%	16%	8%	10%	24%	1%
Roll (n=67)	32%	5%	8%	11%	36%	9%

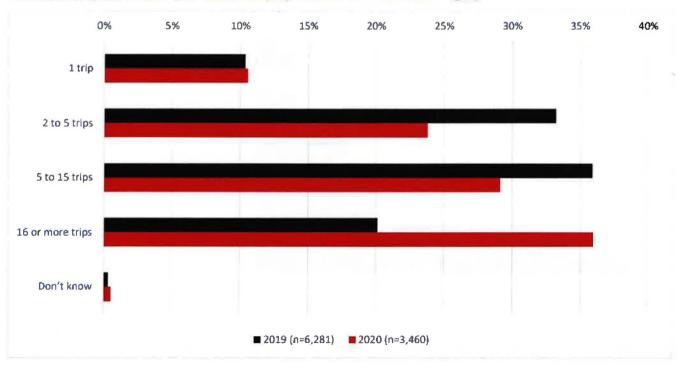


15. Have you used a shared e-scooter that is a part of Calgary's Shared E-Scooter pilot?



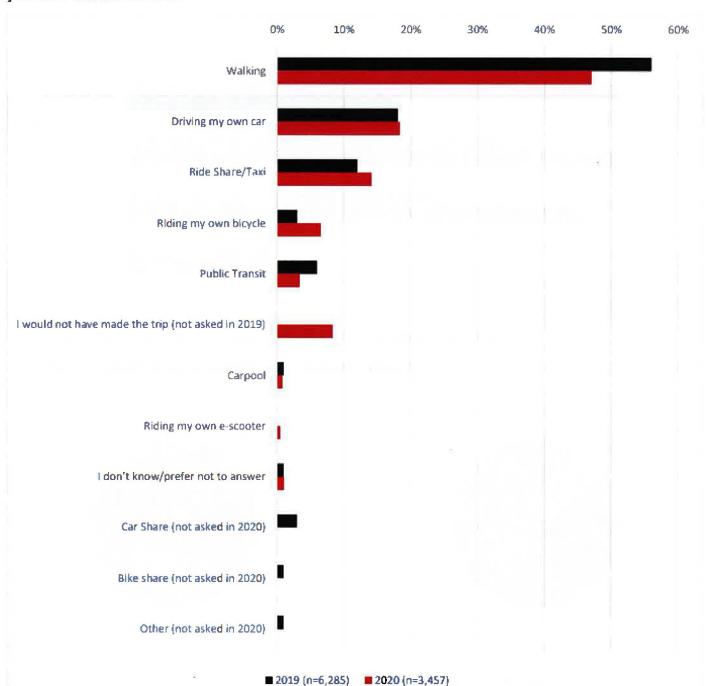
Section 2: Participants who have used a shared e-scooter

16. How many times have you made a trip by a shared e-scooter in Calgary?

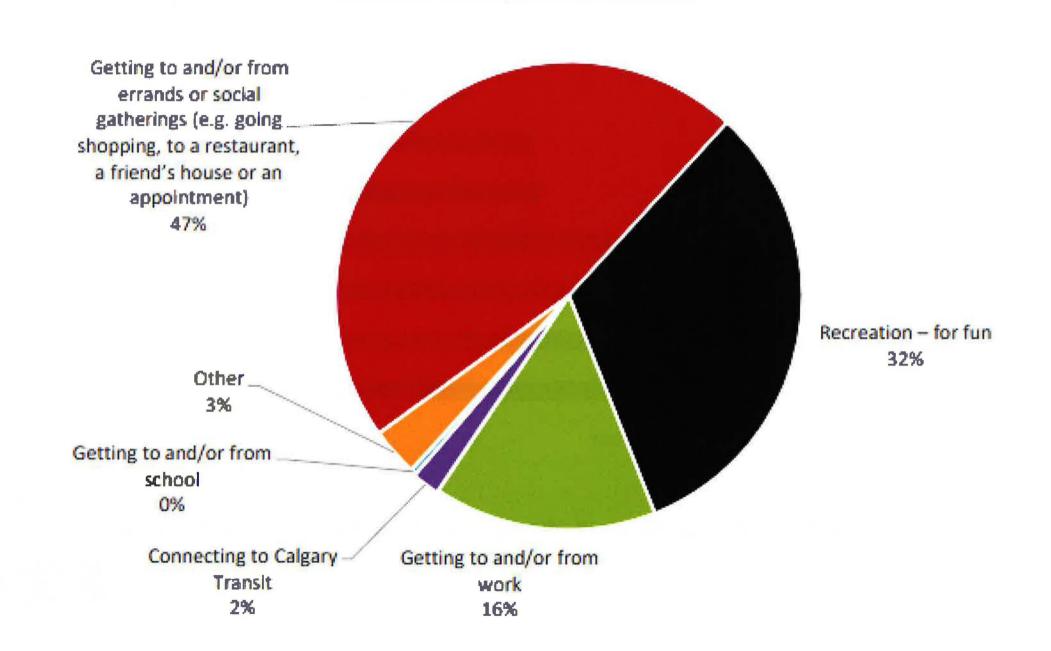




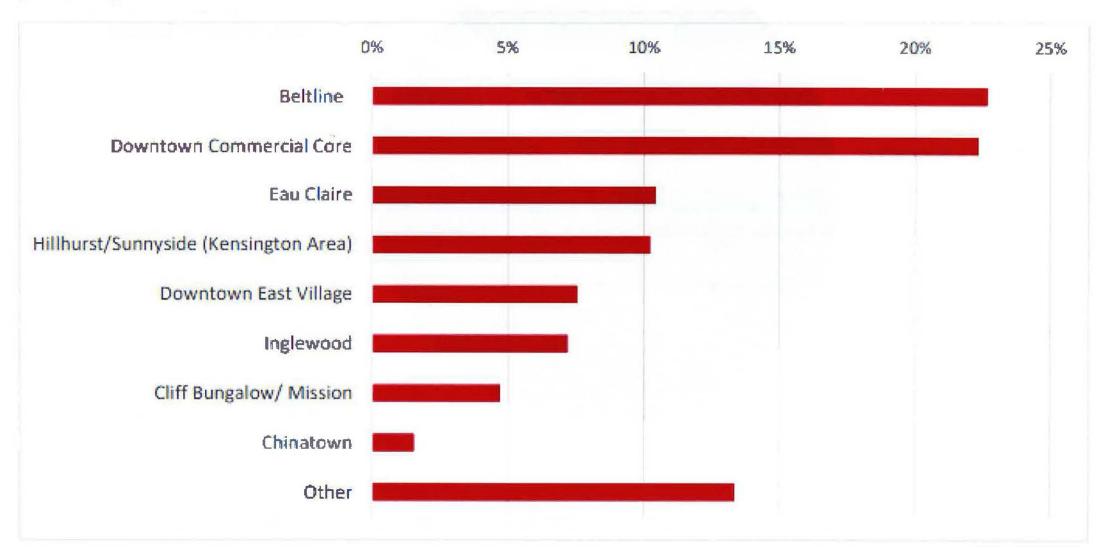
17. Thinking about your most recent shared e-scooter trip, if you hadn't used a shared e-scooter, how would you have traveled instead?



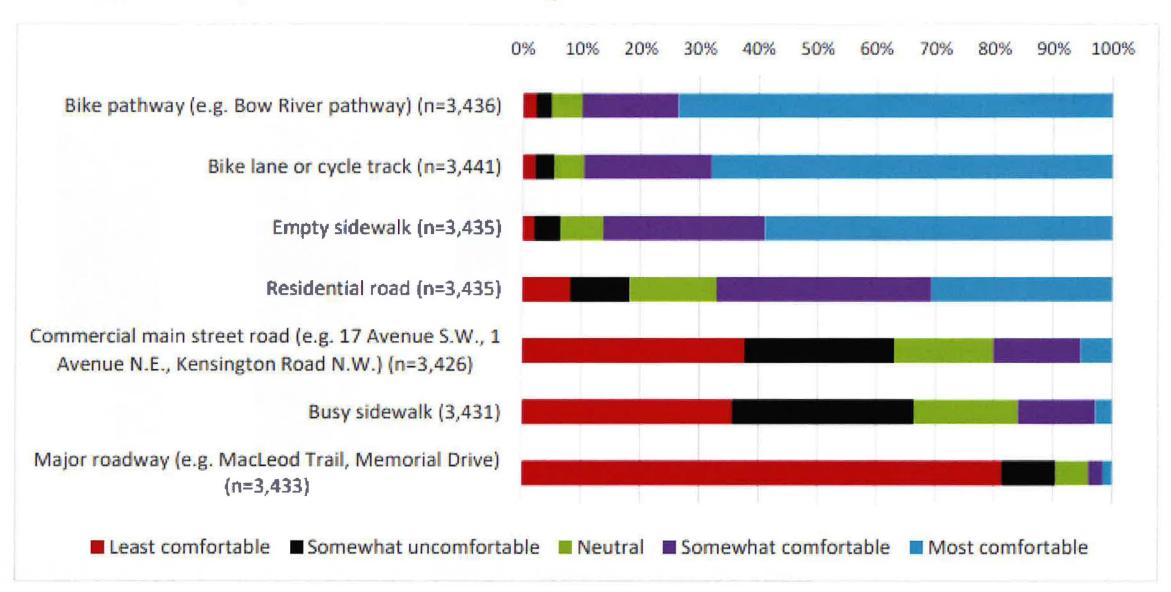
18. Thinking about your most recent shared e-scooter trip, what was the purpose of the trip? (n=3,460)



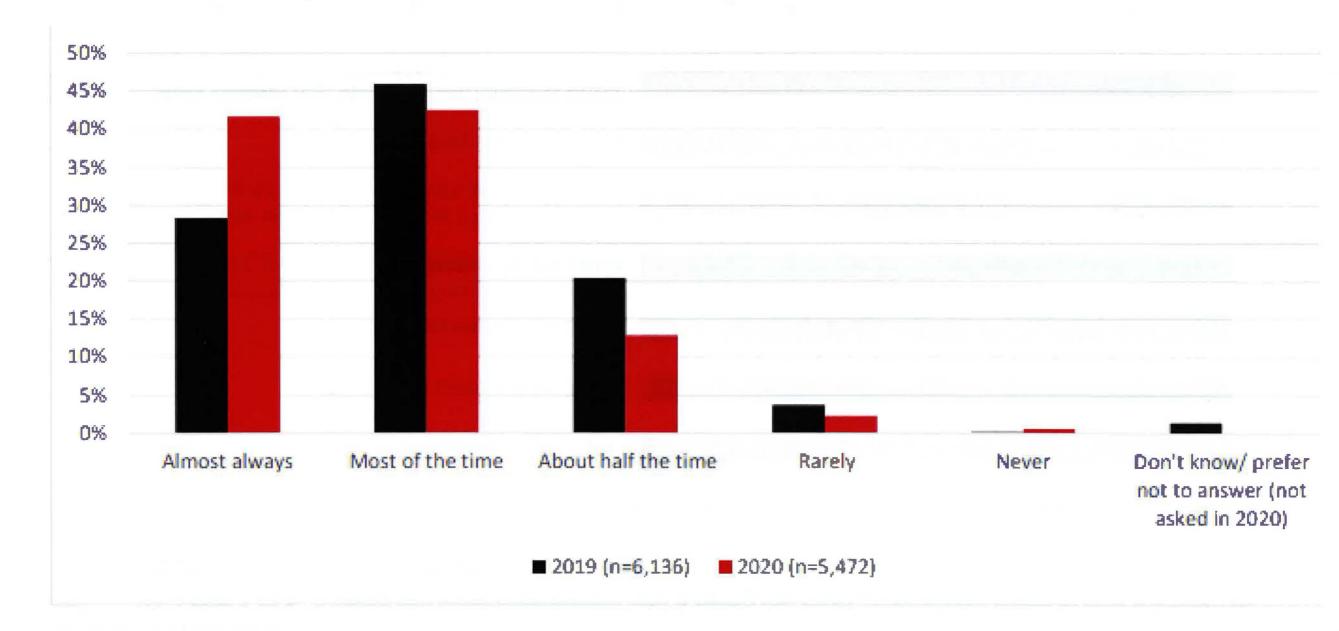
19. Thinking about your most recent shared e-scooter trip, which community did you end your trip in? (n=3,402)



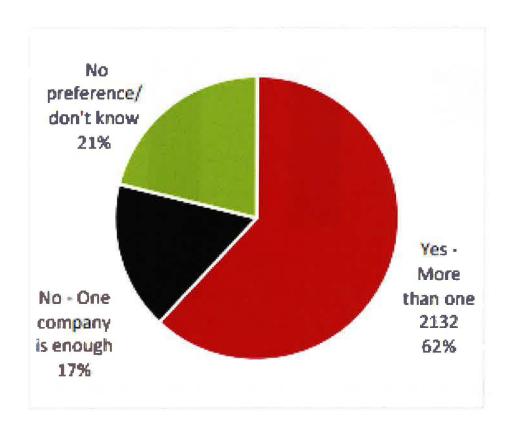
20. From 1 to 5, 1 being the least comfortable and 5 being the most comfortable place to ride a shared escooter, please rate your comfort with the following:



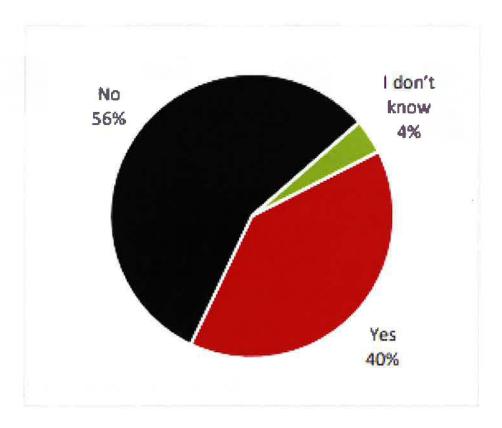
21. How often could you find a shared e-scooter when you wanted one?



22. Do you prefer to have multiple operators to choose from when deciding which shared escooter to ride? (n=3,441)



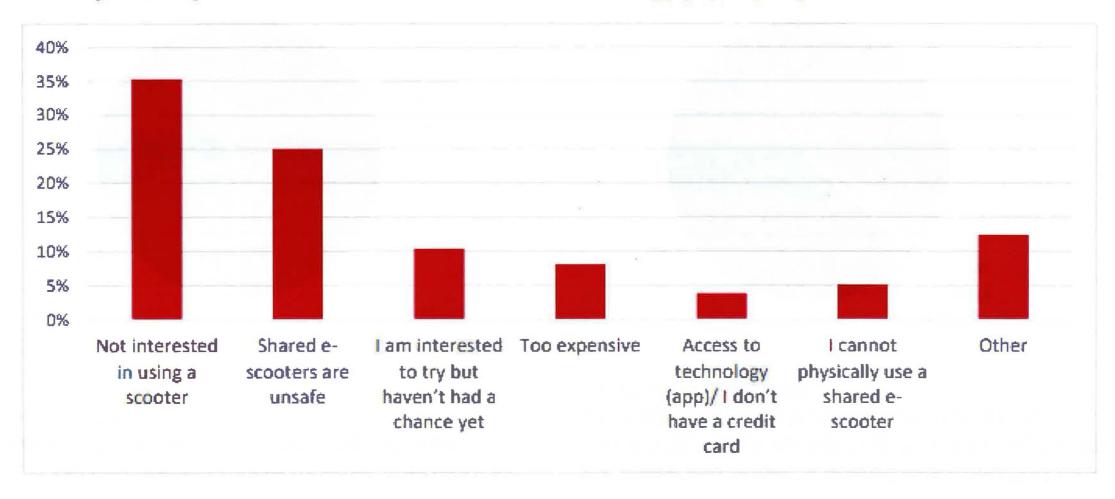
23. Have you ridden a shared e-scooter that has had maintenance issues (e.g. brakes or lights not working, quality of device not as high as you expected)? (n=3,444)





Section 3: Participants who have not used a shared e-scooter

24. Why haven't you tried a shared e-scooter? Select all that apply. (n=5,159)

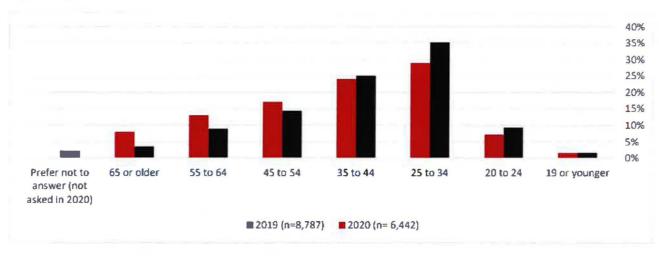


Calgary

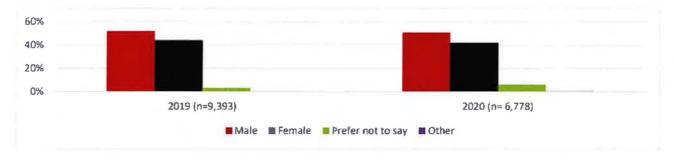


Section 4: Demographics

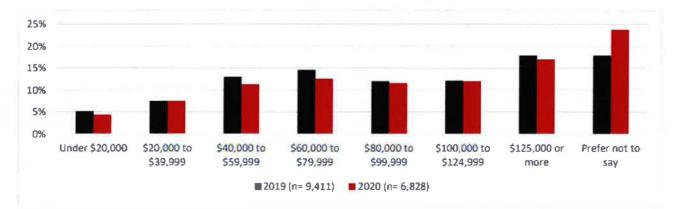
Age Range



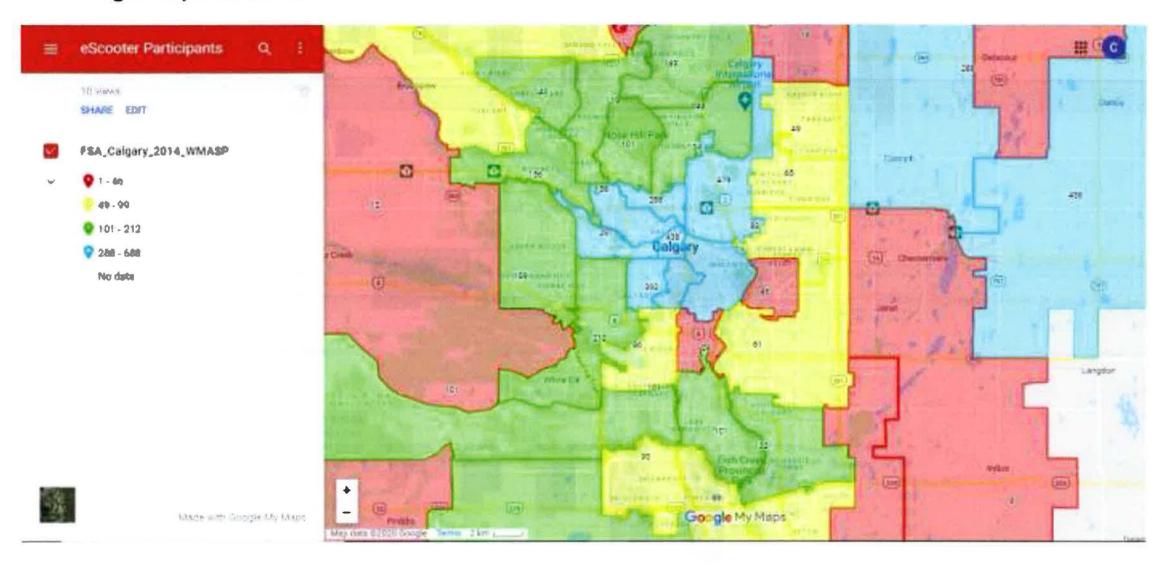
Gender



Income



First 3 digits of postal code



Link to interactive map: www.google.com/maps/d/viewer?mid=1keF9LHFKkmx55LBeGKyvVRdvPNODhmz&hl=en&usp=sharing



