

City of Kelowna

Regular Council Meeting

AGENDA



Monday, February 25, 2019
9:00 am
Council Chamber
City Hall, 1435 Water Street

Pages

1. **Call to Order**
2. **Confirmation of Minutes** 3 - 6
February 11, 2019
3. **Reports**
 - 3.1 **Facts in Focus – Transportation, Technology and our Changing Future** 45 m 7 - 24

To present to Council the third Facts in Focus topic paper regarding the rapid pace of technology change as it relates to transportation and the way it may change how people get around Kelowna over the next twenty years.
 - 3.2 **City Clerk - verbal report** 5 m

To consider the cancellation of the Monday, June 3rd, 2019 Regular Meeting; and Tuesday, April 23, 2019 for a committee-of-the-whole meeting with the SD 23 Board of Education Trustees.
4. **Issues Arising from Correspondence & Community Concerns**
 - 4.1 **Mayor Basran, re: Issues Arising from Correspondence** 5 m 25 - 25

To consider an appointment of a Council member to the Central Okanagan Journey Home Society

5. Resolution Closing the Meeting to the Public

THAT this meeting be closed to the public pursuant to Section 90(1)(e) and (k) of the Community Charter for Council to deal with matters relating to the following:

- acquisition, disposition or expropriation of land or improvements; and
- provision of a municipal service

6. Adjourn to Closed Session

7. Reconvene to Open Session

8. Termination



City of Kelowna Regular Council Meeting Minutes

Date: Monday, February 11, 2019

Location: Council Chamber
City Hall, 1435 Water Street

Members Present Mayor Colin Basran, Councillors Maxine DeHart, Ryan Donn*, Gail Given, Charlie Hodge, Brad Sieben, Mohini Singh* and Luke Stack

Members Absent Councillor Loyal Wooldridge

Staff Present City Manager, Doug Gilchrist; City Clerk, Stephen Fleming; Acting Divisional Director, Community Planning & Strategic Investments, Derek Edstrom*; Policy and Planning Department Manager, Danielle Noble-Brandt*; Community Planning Department Manager, Ryan Smith*; Urban Planning Manager, Terry Barton*; Long Range Policy Planning Manager, James Moore*; Planner Specialist, Ross Soward*; Integrated Transportation Department Manager, Rafael Villarreal Pacheco*, Transportation Engineering Manager, Gordon Foy*; Transportation Engineer Planning & Development, Chad Williams*; Acting Director Strategic Investments, Johannes Saufferer*; Parks & Buildings Planning Manager, Robert Parlane*; Legislative Coordinator (Confidential), Clint McKenzie*, Legislative Coordinator (Confidential) Rebecca Van Huizen*

Guests Chad Eliason, Past President, SILGA

(* denotes partial attendance)

1. Call to Order

Mayor Basran called the meeting to order at 9:08 a.m.

2. Confirmation of Minutes

Moved By Councillor Given/Seconded By Councillor Hodge

(R0122/19/02/11) THAT the Minutes of the Regular AM Meeting of February 4, 2019 be confirmed as circulated.

Carried

3. Reports

3.1 Southern Interior Local Government Association (SILGA)

Chad Eliason, Past President SILGA:

- Presented a PowerPoint presentation summarizing the work of SILGA.
- Responded to questions from Council.

Councillor Donn joined the meeting at 9:15 a.m.

Moved By Councillor Given/Seconded By Councillor Hodge

(R0123/19/02/11) THAT Council receive the SILGA report for information.

Carried

4. Resolution Closing the Meeting to the Public

Moved By Councillor Stack/Seconded By Councillor Dehart

(R0124/19/02/11) THAT this meeting be closed to the public pursuant to Section 90(1)(a),(i),(k) and 90(2)(b) of the Community Charter for Council to deal with matters relating to the following:

- position appointment;
- receipt of legal advice;
- provision of municipal service; and
- negotiations with the Provincial Government

Carried

5. Adjourn to Closed Session

The meeting adjourned to a closed session at 9:16 a.m.

6. Reconvene to Open Session

The meeting reconvened to an open session and adjourned at 12:01 p.m.

The meeting reconvened at 3:25 p.m. with Councillors Singh and Wooldridge absent.

7. Reports

7.1 Capri-Landmark Plan – Transportation and Parks Review

Staff:

- Displayed a PowerPoint presentation summarizing the transportation network options.
- Displayed a PowerPoint presentation summarizing the parks plan.
- Responded to questions from Council.

Moved By Councillor Given/Seconded By Councillor Donn

(R0125/19/02/11) THAT Council receives, for information the report, from the Planner Specialist dated February 11, 2019, with respect to the Capri-Landmark Plan.

AND THAT Council approves the recommended parks and transportation options in principle and directs staff to move forward with the development of the final plan as described in the report from the Planner Specialist dated February 11, 2019.

Carried

Opposed - Councillors Dehart and Stack

9. **Termination**

The meeting was declared terminated at 5:40 pm.

Mayor Basran

/sf/cm



City Clerk

DRAFT

Report to Council



Date: February 25, 2019
File: 1850-50
To: City Manager
From: Rafael Villarreal, Integrated Transportation Department Manager
Subject: Facts in Focus – Transportation, Technology and our Changing Future
Report Prepared by Matt Worona, Active Transportation Coordinator

Recommendation:

THAT Council receives, for information, the report from the Integrated Transportation Department Manager dated February 25th, 2019, with respect to Facts in Focus – Transportation, Technology and our Changing Future.

Purpose:

To present Council with the third Facts in Focus topic paper regarding the rapid pace of technology change as it relates to transportation and the way it may change how people get around Kelowna over the next twenty years.

Background:

Building on the OCP Facts in Focus series, the Transportation Facts in Focus include topic-based background papers on Our Kelowna as We Move, the City's new Transportation Master Plan.

The Transportation Master Plan process follows on the heels of the Imagine Kelowna strategic community vision. Furthermore, in response to common themes heard during public engagement for the vision and goals, staff have identified three topics for background papers to help promote an understanding of the key issues and opportunities in transportation. On July 30, 2018, staff launched the first transportation Facts in Focus paper through a Council presentation on the potential for mass transit in Kelowna.

The second Facts in Focus paper, "The Congestion Paradox", discussed the vision statement for the Transportation Master Plan, the challenges of widening roads, and the costs of our transportation system.

This third Facts in Focus paper - "Transportation, Technology and our Changing Future" - is an overview

of trends in transportation that may change how people get around in Kelowna in the future and discusses key opportunities and challenges that these technologies may bring. The paper references the city's Disruptive Mobility Strategy, which is an on-going study that will help to identify proactive steps the City can take to best position Kelowna to optimize the benefits of technology change. In addition to a traditional report, this paper will be published on the City website in "story map" form.

Story Map Link: <https://www.kelowna.ca/our-community/planning-projects/long-range-planning/transportation-master-plan>

Internal Circulation:

Communications Advisor
Department Manager, Community Planning
Department Manager, Infrastructure Delivery
Department Manager, Infrastructure Engineering
Department Manager, Integrated Transportation
Department Manager, Policy & Planning
Divisional Director, Community Planning and Strategic Investments
Divisional Director, Infrastructure
Manager, Community Communications
Manager, Infrastructure Administration
Manager, Long Range Planning
Manager, Parking Services
Manager, Transit and Programs
Manager, Transportation Engineering
OCP Project Planner
Transportation Planner
Transportation Planning Engineer

Existing Policy:

Imagine Kelowna Principle 2 – Smarter: A community willing to learn, adapt and grow so we can thrive amid rapid change.

Imagine Kelowna Principle 3 – Connected: A community where residents are connected to their neighbours, their city and wider world.

Considerations not applicable to this report:

Alternate Recommendation
Communications Comments
External Agency/Public Comments
Financial/Budgetary Considerations
Legal/Statutory Authority:
Legal/Statutory Procedural Requirements:
Personnel Implications

Submitted by:

R. Villarreal, Integrated Transportation Department Manager

Approved by: R. Villarreal, Department Manager, Integrated Transportation

Approved for inclusion:

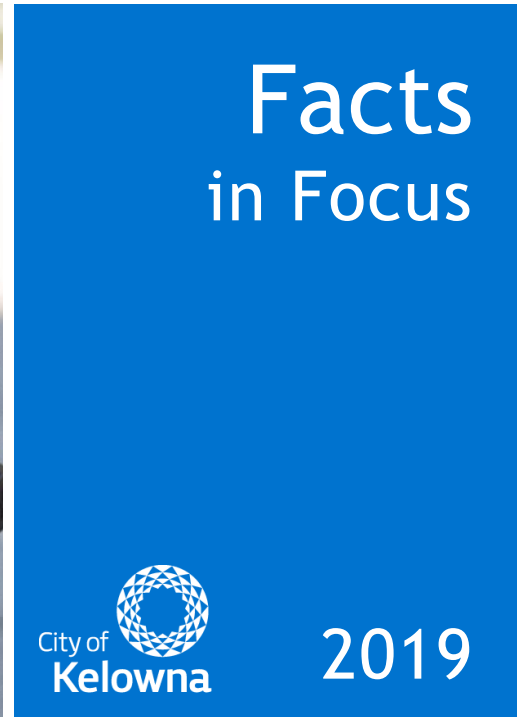


A. Newcombe, Divisional Director, Infrastructure

Attachment 1 - Facts in Focus – Transportation, Technology, and our Changing Future

Attachment 2 - Transportation, Technology, and our Changing Future Slides

cc: Deputy City Manager
Divisional Director, Community Planning & Strategic Investments
Divisional Director, Corporate Strategic Services
Divisional Director, Financial Services
Divisional Director, Infrastructure



FACTS IN FOCUS

DID YOU KNOW?

Transportation, Technology and our Changing Future

For the first time in nearly a century, transformative innovations are coming to transportation. Mobile technologies that enable new shared services will combine with driverless electric vehicles to reshape our lives, how we move, and our communities for better—or worse. New transportation options and services will emerge and link together to create a mobility ecosystem that offers seamless, multi-modal travel on demand. Some of these coming changes have the potential to increase auto travel and congestion, or if we are proactive, to accelerate our pace towards achieving our shared vision for a more connected, responsible, smart and collaborative future, as outlined in Imagine Kelowna.

We should view technological change in transportation as both an opportunity and a challenge. If we move quickly to shape new public policy, business models, and how they are deployed, we can leverage them to achieve our goals. And as one Imagine Kelowna participant put it:

"We can't predict the future. Flexibility and adaptability is what is going to help us through all the changes. Values last longer than plans, we can't prepare for everything in the future."

Looking forward, there are four distinct trends on the horizon:

Connected:

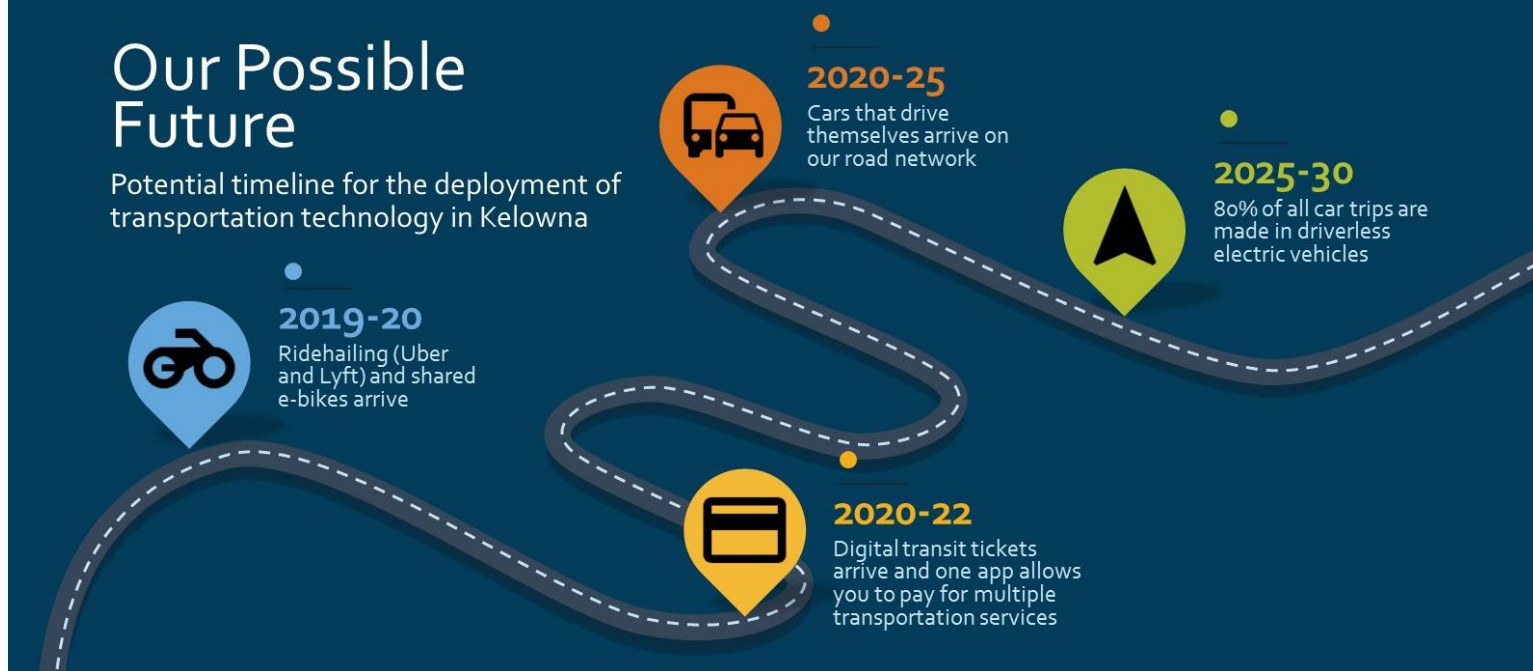
In the past few years, the number of everyday devices that can connect to the internet and communicate with each other has increased rapidly. This

We are increasingly making purchases online. By 2020, it's projected that 10% of all retail purchases in Canada will come from e-commerce. This changes how goods are distributed in Kelowna and the demands on our transportation system.¹



Our Possible Future

Potential timeline for the deployment of transportation technology in Kelowna



Timeline projection estimates are based on a variety of sources including announced timelines from the private sector, public sector analysis and Kelowna's regulatory environment.^{2,3,4,5,6}

has enabled Kelowna residents to use mobile apps to avoid traffic delays, access real-time transit information, and reserve a carshare, bikeshare or other travel options on demand. In the future, improved communication between our smart phones, vehicles and infrastructure will increase our access to information and enhance our ability to choose how to get to where we need to go in a way that best meets our needs for any given trip.⁷

Automated:

Our vehicles are likely to become increasingly automated, to the point where a human driver is not required most of the time.⁸ Driverless technologies will enable changes in the demands that cars place on our cities. For example, driverless vehicles could allow a commuter to send their car home rather than pay for parking at their workplace.⁹ This would “unlink” parking demand from destinations reducing the need for large amounts of parking in our city centres. However, this could create new challenges such as cars without any passengers (or “zero-occupancy” vehicles) on our roadways, increasing traffic congestion. We will need to adapt how we manage our streets as challenges arise.

While the timing of fully driverless vehicles becoming commonplace is uncertain, the pace of development has been rapid. Self-driving vehicles have already navigated millions of kilometres on public roads in North America¹⁰ and a self-driving taxi service is currently operating in Phoenix, Arizona.¹¹

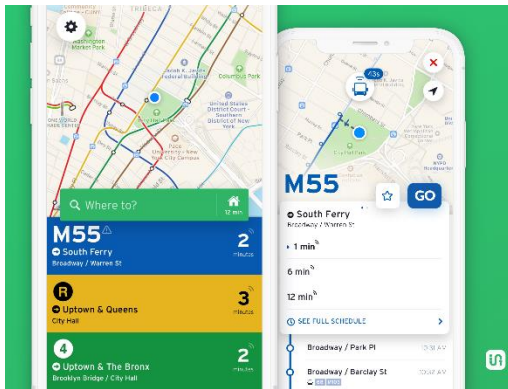
Shared:

Vehicles that are used to accommodate multiple people's travel throughout the day are deemed 'shared.' Shared vehicles have the potential to eliminate the cost of ownership while retaining flexibility. In Kelowna, we currently share buses, cars, and bikes through transit, taxis, carshare, and bikeshare networks. Shared vehicles can make it easier to shift travel modes in real time. For example, resident could take the bus to work, use a bikeshare for their lunch meeting, and then take a ride-hailing service back home. In the future, this will allow residents to choose the best travel mode for each segment of their trip.

Electric:

The price of batteries is dropping, and their storage capacity is increasing. Electric vehicles are already on our streets today, including electric and hybrid cars, e-bikes and other small electric vehicles.¹² Transportation is the largest GHG emissions contributor in Kelowna and shifting to electric will be one part of the solution in curbing our carbon emissions.¹³

DID YOU KNOW?



There are roughly the same number of opens of the Transit App as passengers on the Kelowna Regional Transit System (5.2 million/year)¹⁴



Driverless technology is getting better and now only needs human input roughly every 17,000 km on public roads.¹⁵

These four trends of connected, automated, shared and electric have the potential to re-shape both transportation and our built environment between now and 2040. How we choose to prepare for these changes will influence how new transportation technologies will shape our City.

Opportunities and Challenges

The coming changes in transportation have the potential to bring substantial opportunities. Benefits for individuals include cheaper and more convenient travel options, safer streets, less pollution, and more independence for youth, the elderly, and people with diverse abilities.

However, the changes will also bring challenges that we will need to address. Examples of potential challenges include:

- “Zero-occupancy” vehicle trips and more people traveling could increase traffic congestion¹⁶
- People may live farther from jobs increasing urban sprawl¹⁷
- Ride-hailing services could increase demand for loading on our curb space¹⁸
- Changes in parking demand could leave downtown parkades empty (while also enabling us to better use land)¹⁹

Proactive measures, policies and regulations, could mitigate these challenges and improve Kelowna’s overall economy, quality of life and social equity.

Next Steps

Technology is being integrated into Kelowna’s transportation system today. The Kelowna Bikeshare Pilot, Next Ride real-time transit information, and the PayByPhone parking app are just three examples of how technology in transportation is already delivering benefits to our residents. This suite of transportation options is set to grow rapidly in the near future.

Considering both the opportunities and challenges of these future transportation trends, there are steps that the City can take to maximize the benefits of transportation technology change, while minimizing potential challenges. The City has already begun to study this issue, and is expected to release the Disruptive Mobility Strategy later in 2019, which will address key questions about impacts on future planning and our approach to public investment. Recommendations from the Strategy will help inform both *Our Kelowna as We Move*, the City’s new Transportation Master Plan, and *Connecting Our Region*, the Central Okanagan’s first region-wide transportation plan.

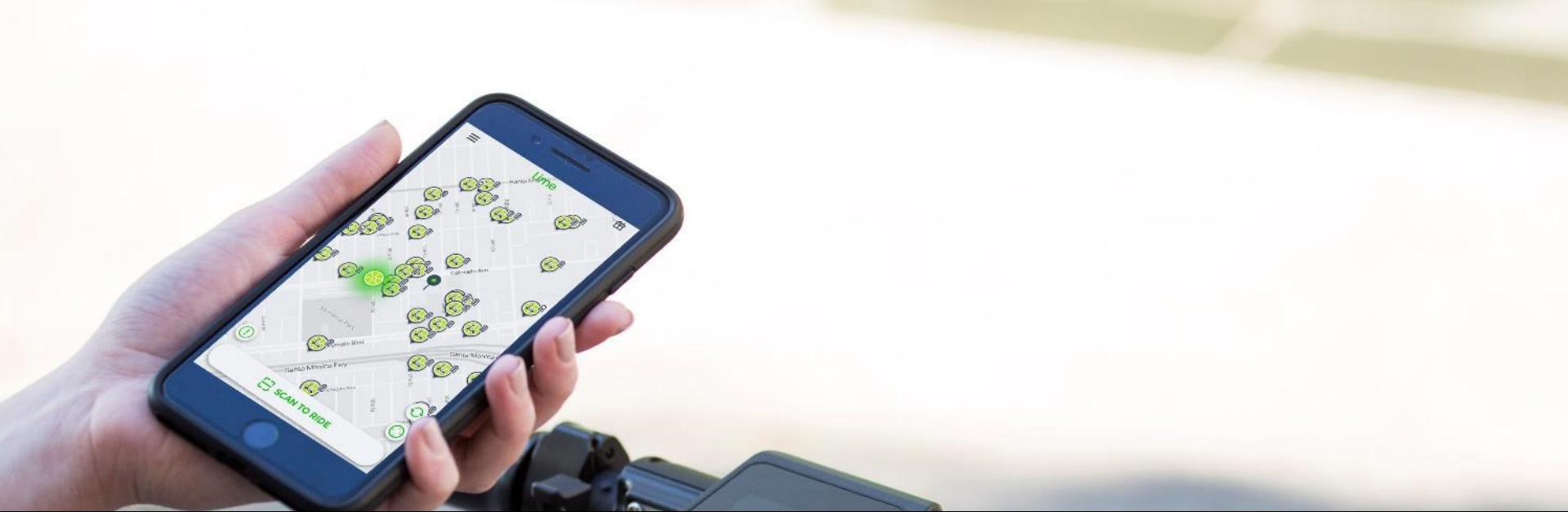
By focusing on how future technologies are likely to roll out, and ensuring we mitigate negative impacts, we can maintain our economic prosperity and quality of life. No one future technology will be the silver bullet, but by understanding the tradeoffs and proactively shaping our approach, we can help keep Kelowna moving.

References

- ¹"Growing E-Commerce in Canada." Canada Post, 2016, www.canadapost.ca/blogs/business/ecommerce/growing-e-commerce-in-canada-unlocking-the-online-shopper-opportunity-2/.
- ²Dubois, Stephanie. "Electric Scooters, e-Bike Share Programs Could Come to Edmonton." CBC/Radio Canada, 25 Jan. 2019, www.cbc.ca/news/canada/edmonton/electric-scooter-electric-bikes-edmonton-1.4993197.
- ³Shore, Randy. "New Vehicle Sales to Be 100 per Cent Zero-Emission by 2040, under B.C.'s Electrification Plan." Vancouver Sun, 24 Nov. 2018, vancouversun.com/news/local-news/vehicle-sales-to-be-100-per-cent-zero-emission-by-2040-under-b-c-s-electrification-plan.
- ⁴"Transit Series B: We've Raised \$17.5M to Build the Switzerland of Mobility." *Medium.com*, Transit, 5 Nov. 2018, medium.com/transit-app/transit-series-b-weve-raised-17-5m-to-build-the-switzerland-of-mobility-269b8daafe28.
- ⁵Seucharan, Cherise. "Mobile Tap Payments, GPS Coming to BC Transit Buses." Toronto Star, 17 Nov. 2018, www.thestar.com/vancouver/2018/11/16/mobile-tap-payments-gps-coming-to-bc-transit-buses.html.
- ⁶Ticoll, David. "Driving Changes Automated Vehicles in Toronto." *Munk School of Global Affairs and Public Policy*, Innovation Policy Lab & University of Toronto Transportation Research Institute, Oct. 2015, munkschool.utoronto.ca/jpl/files/2016/03/Driving-Changes-Ticoll-2015.pdf.
- ⁷⁸Hon. David Tkachuk, and Hon. Dennis Dawson. "Driving Change Technology and the Future of the Automated Vehicle Report of the Standing Senate Committee on Transport and Communications." *Senate of Canada*, Standing Senate Committee on Transport and Communications, 2018, sencanada.ca/content/sen/committee/421/TRCM/Reports/COM_RPT_TRCM_AutomatedVehicles_e.pdf.
- ⁹¹⁷¹⁹Kockelman, Kara M. "How Land Use Patterns Affect Ownership and Use of Self Driving Vehicles?" Civil Engineering - Department of Civil, Architectural and Environmental Engineering, The University of Texas at Austin www.cae.utexas.edu/prof/kockelman/public_html/TRB19LandUseAVs.pdf.
- ¹⁰¹⁵"An Update on Waymo Disengagements in California." *Medium.com*, Waymo, 13 Feb. 2019, medium.com/waymo/an-update-on-waymo-disengagements-in-california-d671fd31c3e2.
- ¹¹"Riding with Waymo One Today – Waymo – Medium." *Medium.com*, Waymo, 5 Dec. 2018, medium.com/waymo/riding-with-waymo-one-today-gac8164c5coe.
- ¹²Shore, Randy. "New Vehicle Sales to Be 100 per Cent Zero-Emission by 2040, under B.C.'s Electrification Plan." Vancouver Sun, 24 Nov. 2018, vancouversun.com/news/local-news/vehicle-sales-to-be-100-per-cent-zero-emission-by-2040-under-b-c-s-electrification-plan.
- ¹³"Community Climate Action Plan." City of Kelowna, 2018, www.kelowna.ca/sites/files/1/docs/community/community_climate_action_plan_june_2018_final.pdf.
- ¹⁴"Transit App Dashboard (Kelowna Regional Transit Network)", Transit App.
- ¹⁶Jennings, Howard. "Cities Will Need to Fight Zero-Occupant Miles with 'TDM for Autonomous Vehicles.'" Mobility Lab, 30 May 2017, mobilitylab.org/2017/05/30/tdm-for-autonomous-vehicles/.
- ¹⁸Mitman, Meghan M, et al. "Curbside Management Practitioners Guide." Institute for Transportation Engineers, 2018, www.ite.org/pub/?id=C75A6B8B-E210-5EB3-F4A6-A2FDDA8AE4AA.

Photo References (in order of appearance)

- ¹"Press." Lime, www.li.me/press.
- ²"TFL Press Images." Transport for London, tfl.gov.uk/info-for/media/photos.
- ³"Press Kit." Transit, transitapp.com/press.
- ⁴"Press – Waymo." Waymo, waymo.com/press/.



Facts in Focus

Transportation, Technology and our Changing Future

Feb 25th 2019



Transportation Revolution

From discrete modes to
a suite of integrated options



Our Possible Future

Potential timeline for the deployment of transportation technology in Kelowna



2019-20

Ridehailing (Uber and Lyft) and shared e-bikes arrive



2020-25

Cars that drive themselves arrive on our road network



2020-22

Digital transit tickets arrive and one app allows you to pay for multiple transportation services



2025-30

80% of all car trips are made in driverless electric vehicles

Connected



Automated



Shared

The background of the slide is a dark blue field filled with a complex, glowing network of thin, light blue lines. These lines crisscross and interconnect, creating a sense of a shared, interconnected system or data network. The lines are more densely packed in some areas, forming brighter, more defined shapes that resemble stylized, flowing paths or clusters.

Electric



Opportunities & Challenges

- ▶ Highlighted challenges
 - ▶ Zero-occupancy vehicle trips
 - ▶ Residents living farther from jobs
 - ▶ Demands for a variety of curb space uses
 - ▶ Changes in parking demand
- ▶ Suite of transportation options - seamlessly integrated

Next Steps

- ▶ Disruptive Mobility Strategy will be integrated into:
 - ▶ Transportation Master Plan
 - ▶ Regional Transportation Plan





Questions?

For more information, visit kelowna.ca.

Photo References (in order of appearance)

¹Tom Warson. "Is Hasselt Een Slimme Stad?" *Small Teaser*, Comma Magazine, 19 Dec. 2017, www.smallteaser.com/@tomwarson/is-hasselt-een-slimme-stad.

²"Press." Lime, www.li.me/press.

³"Press – Waymo." Waymo, waymo.com/press/.

⁴"Press Kit." JUMP Bikes, UBER, jump.com/press-kit/.

February 15, 2019

Mayor and Council
City of Kelowna
1435 Water Street
Kelowna, BC V1Y 1J4

Re: Central Okanagan Journey Home Society

Dear Mayor and Council,

The Central Okanagan Journey Home Society (COJHS) is now operational and is engaging in the community to execute the Journey Home Strategy that Mayor and Council approved in June of 2018.

We have a board that is active, engaged and excited to implement this plan to end homelessness in our city, and beyond that, pull the community together in a new way. We recognize and appreciate the City for its willingness to partner with us and do things in ways that they have not done before. It is uncharted territory.

We would like to build upon this important relationship by inviting Kelowna City Council to provide a liaison to the COJHS board. It is imperative to have strong ties to Council and for you to have a representative at our board gives you first-hand information about our progress, and the opportunity to participate in how we execute this plan.

Our meetings will be held monthly, and additionally, there may be subcommittee meetings and community events to attend based upon interest and availability of each board member and representative.

This is history in the making and we think that Council's presence via a liaison of your choosing will complement the distinct board we already have, including having a genuine voting representative from the Lived Experience Circle on Homelessness (LECoH) and Youth Advocates for Housing (YAFH).

We are committed to this extremely important and very complicated work. We feel strongly that by having a liaison on our board, Council will benefit from the knowledge and expertise around our board table and indeed be able to contribute in a valuable way.

We are excited to work with you! Please let us know what other information you require to be able to make a decision about this.

Thank you for considering our request and we look forward to your response,



Dr. Kyleen Myrah
Board Chair



Gaelene Askeland
Executive Director