

King County
METRO

Mobility Futures Cabinet
Friday, November 2nd, 2018

Introductions

Introductions

- Name
- Organization
- Title
- How did you get to today's event?

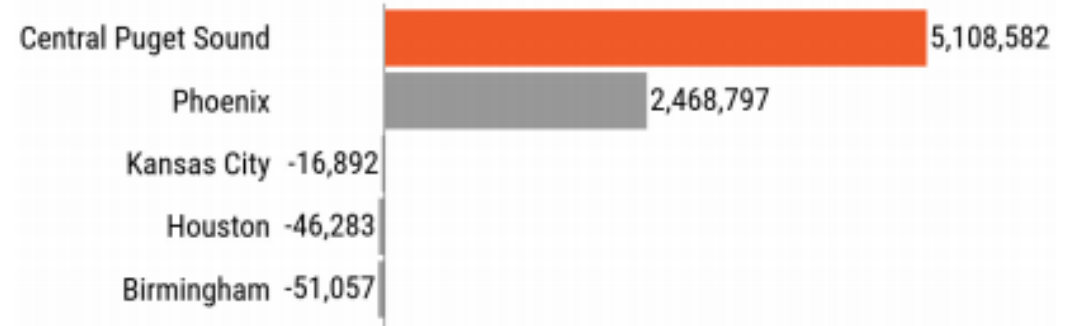
How to Join our Poll

- Open a browser on any laptop, tablet, or smart phone
- Go to **slido.com**
- Enter the event code **#N583**

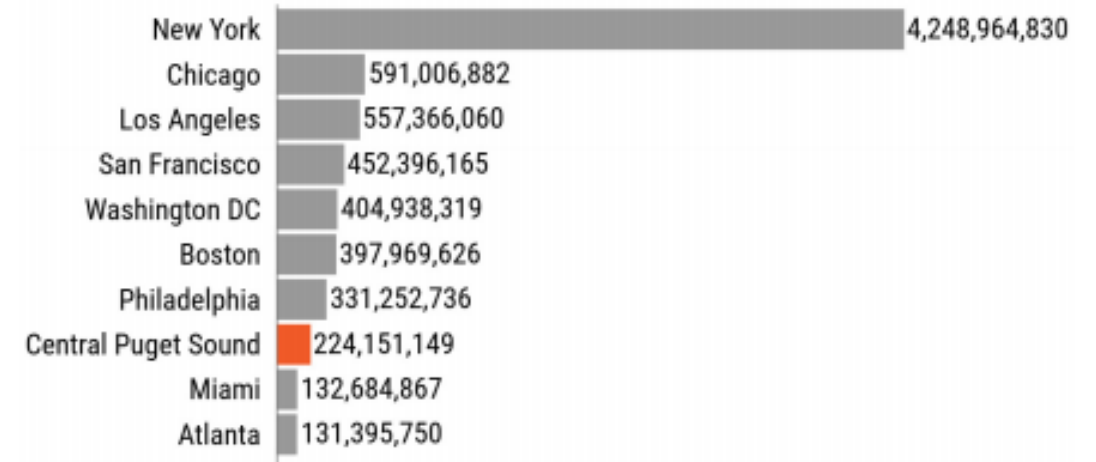
Central Puget Sound Transit Ridership

- In 2017, **boardings growth was highest in nation**
- **19% increase in transit boardings since 2010 (higher than similar regions in US)**
- **8th for total transit boardings**

Growth in Transit Boardings, 2016-2017



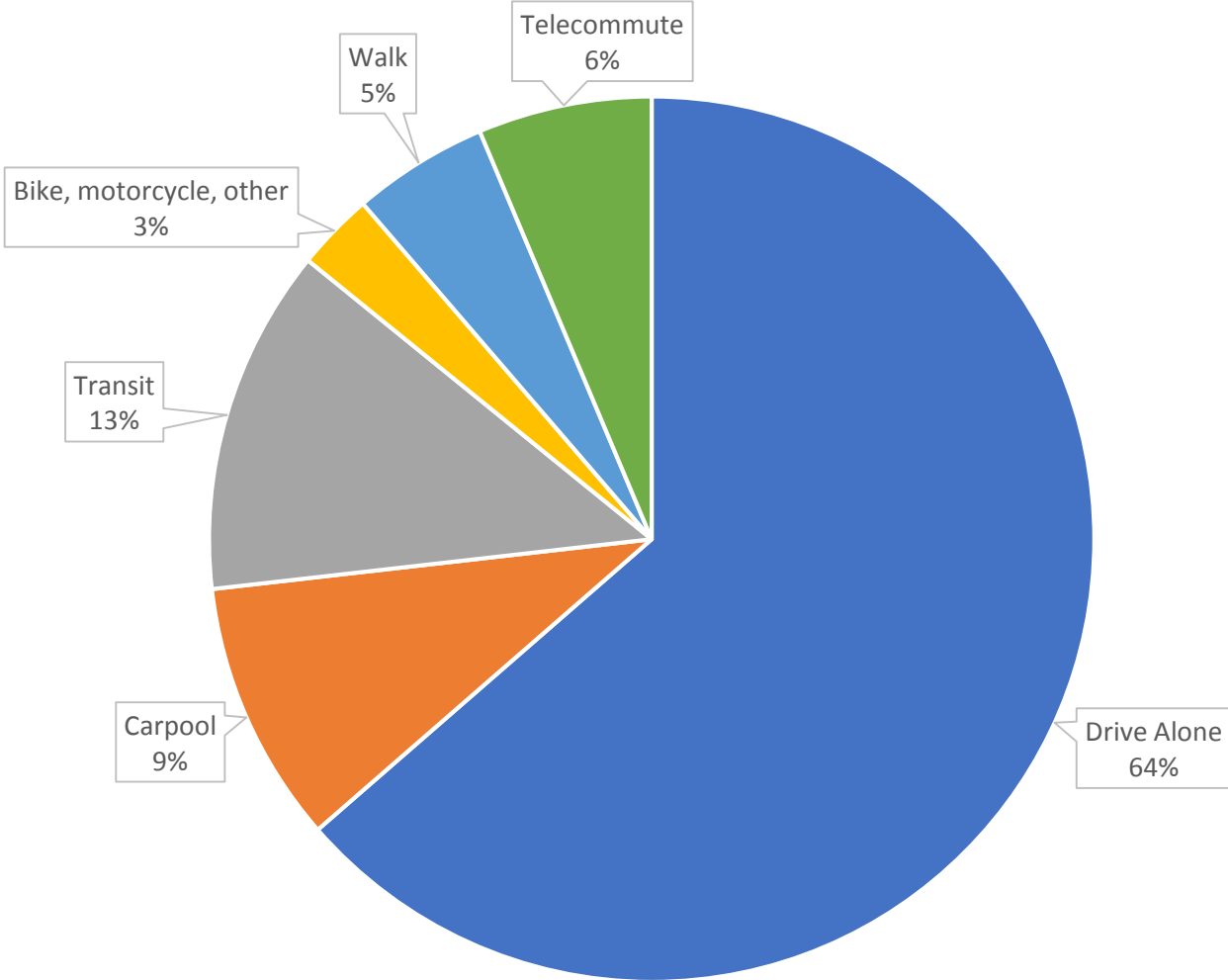
Total Transit Boardings, 2017



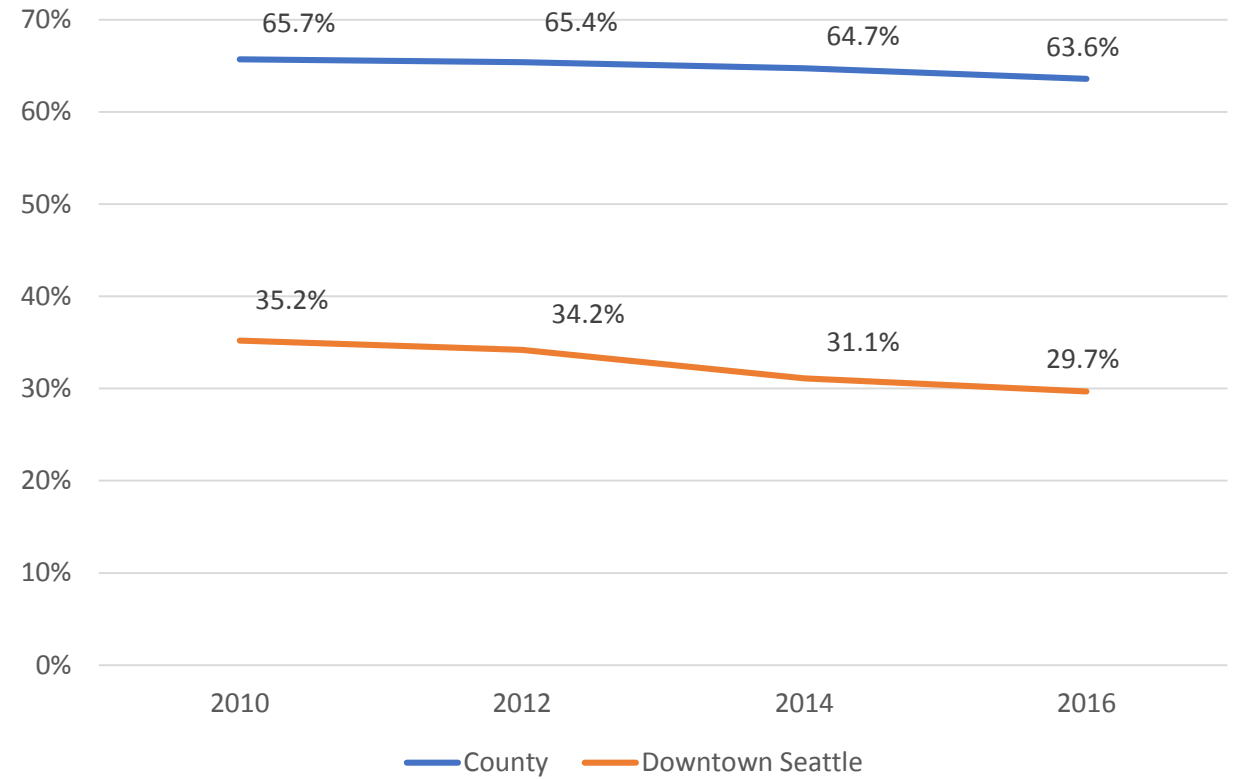
Credit: PSRC

Transit Share of Daily Commute Trips – Small Share, Big Opportunity

Countywide Commute Mode Share



Drive-Alone Commute Share



Metro at a glance

SERVICE AREA

2,134
sq miles

POPULATION

2.2
million

EMPLOYMENT

1.4
million

RIDERSHIP in MILLIONS

FIXED-ROUTE

122

VANPOOL

3.6

ACCESS

1.3

ACTIVE BUS FLEET

1,552

excluding ST

BUS STOPS

8,000+

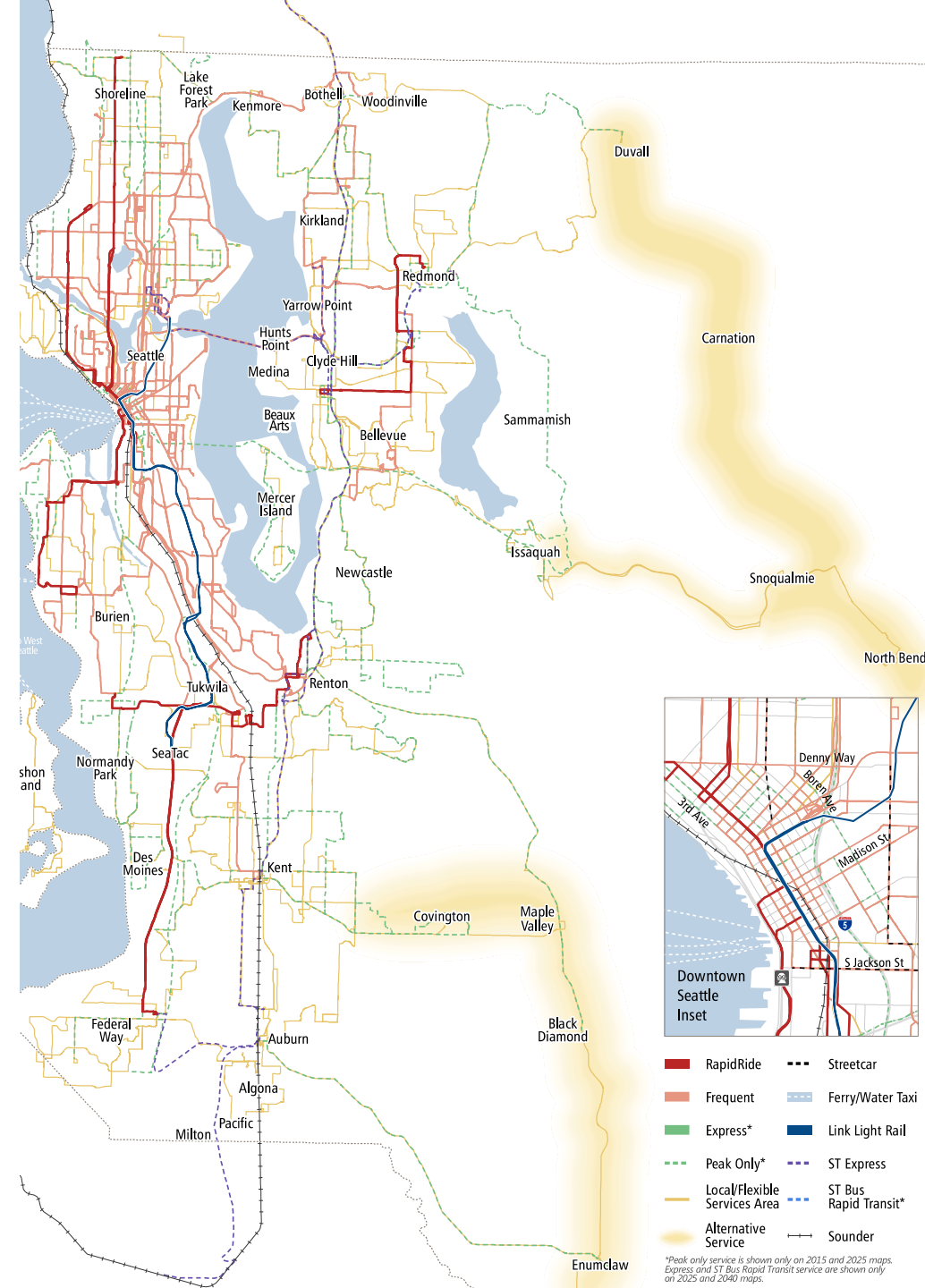
PARK-AND-RIDES

136
lots

P&R SPOTS

26,253

with ST



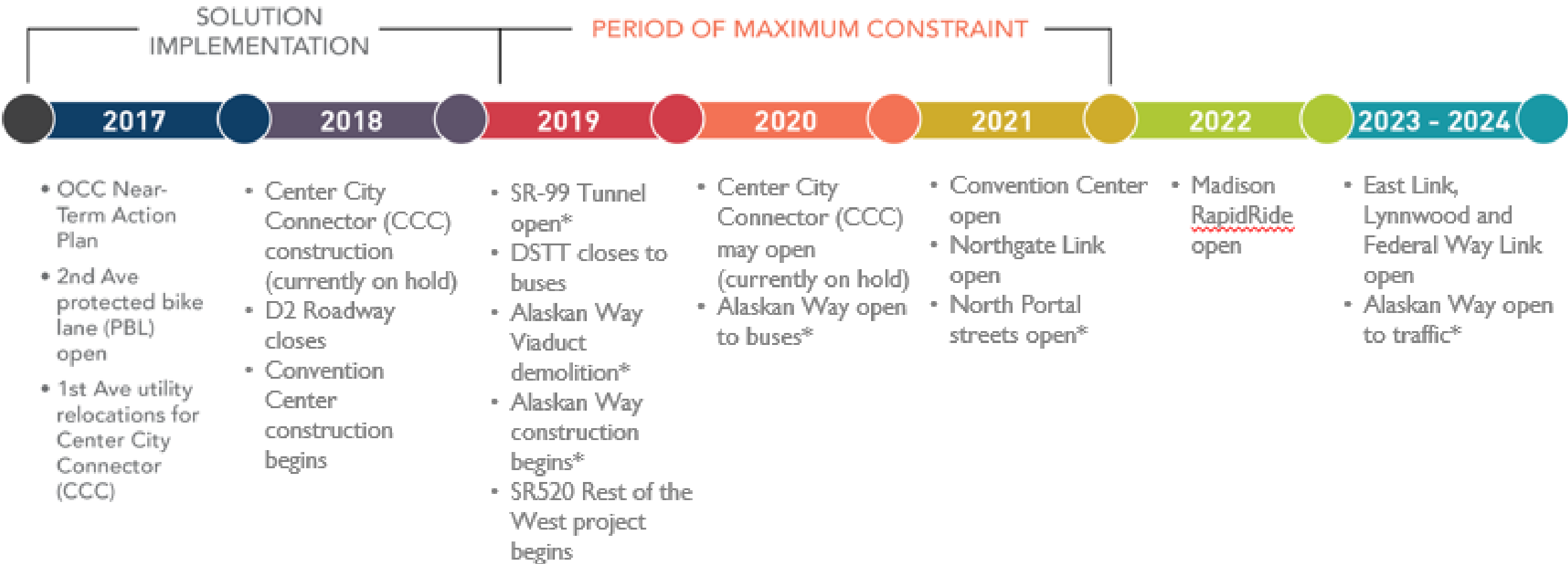
*Peak only service is shown only on 2015 and 2025 maps. Express and ST Bus Rapid Transit service are shown only on 2025 and 2040 maps.

Constraints

- Operational growth capacity
- Funding
- Policy & regulatory constraints
- Workforce (operator shortage)



Period of Maximum Constraint



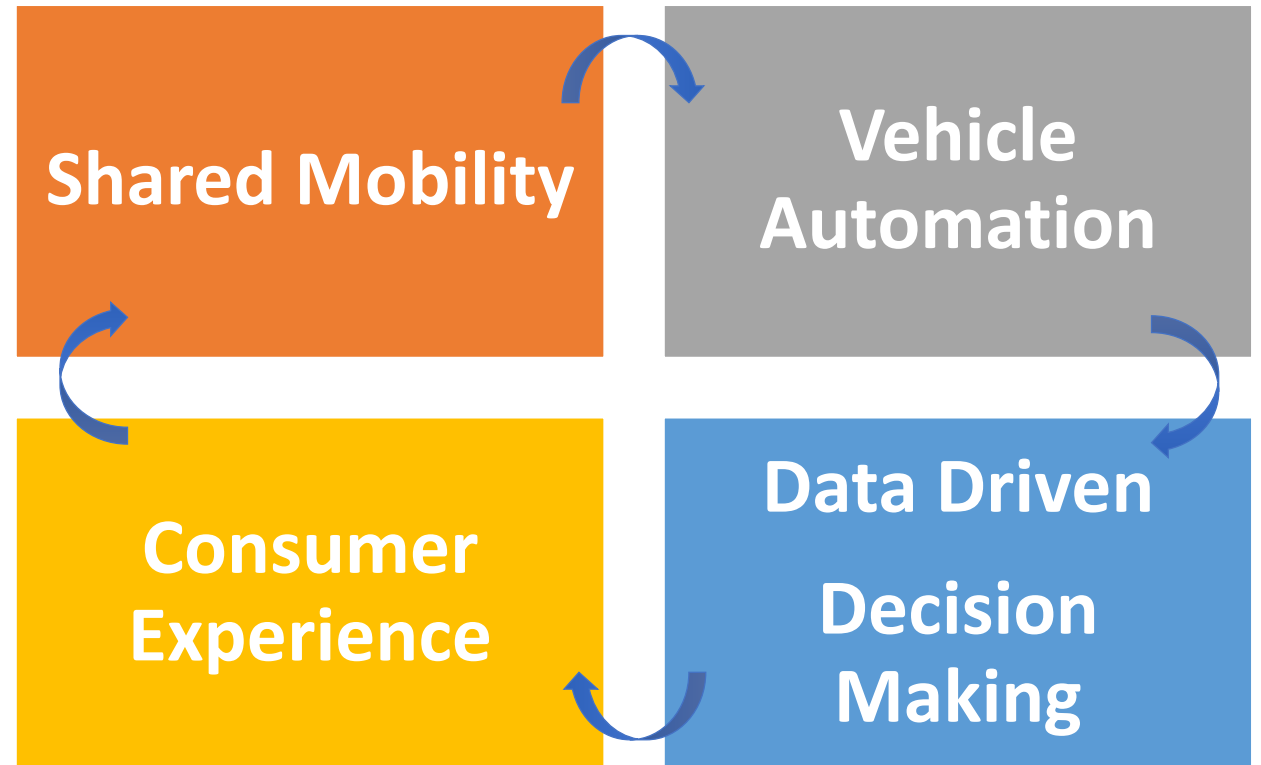


INDUSTRY

TRANSFORMATION

Revolutions in Transportation (aka New Mobility)

- New operating models and technologies
- Providing on-demand transportation
- Without requiring private vehicle ownership
- Four broad categories – with a positive feedback loop



Shared Mobility & Vehicle Automation

Shared Mobility

- **Convenient, flexible, short-term access** to shared use of vehicles as-needed
- Ride-hailing (Uber, Lyft), ridesharing (SPLT, Scoop), carsharing (Car2Go, ReachNow), Microtransit (Chariot, Via), bikesharing (Lime)
- **Could shift rides from transit**

Vehicle Automation

- Pilots exist worldwide (ex: Phoenix, Pittsburgh)
- Can improve safety, reduce labor costs, increase roadway capacity, and enable cheaper, more productive travel
- **Could shift rides from transit**



Why should transit agencies care?

Easter morning 1900: 5th Ave, New York City. Spot the automobile.



Source: US National Archives.

Easter morning 1913: 5th Ave, New York City. Spot the horse.



Source: George Grantham Bain Collection.

Two Futures: Marginalized Transit vs. Transit at the Center

Marginalized Transit:

- New mobility options decrease use of public transit
- **Higher traffic, congestion, energy use**
- Personal convenience **at the cost of societal benefits**
- **Highly inequitable**



Transit at the Center:

- Transit moves many over longer distances, busiest corridors
- New mobility delivers first/last mile, low-density, off-peak service
- **Decreases congestion and energy use**
- **Lowers overall system costs**
- **More equitable**



BECOMING A MOBILITY AGENCY

Metro's Goal

As a mobility agency, Metro will:

- Develop a regional mobility ecosystem with transit at the center and complementary shared mobility services
- Provide near door-to-door, seamless, multi-modal mobility solutions
- Be safe, affordable, and equitable
- Lower number of vehicles, vehicle miles traveled, congestion, and energy use



Metro - Becoming a Mobility Agency

By becoming a mobility agency that both provides public transportation and integrates new travel options, Metro can lead the way in reducing congestion and improving people's ability to get to work, school, services and more.

With rapid population and job growth, King County has an urgent need to lower congestion and improve regional mobility.

Meanwhile, the transportation landscape itself is undergoing a transformation. Technological advances such as connected and autonomous vehicles, and new mobility models like e-hailing, ridesharing and microtransit, are beginning to offer new, convenient, and flexible ways to get around.

Despite all the change underway, transit will continue to be the most effective way to move the most people in dense urban environments. High-capacity fixed-route bus and light rail service therefore must remain the backbone of regional mobility. New and innovative mobility services can complement transit by offering riders first- and last-mile connections to and from transit and by creating cost-effective ways to serve low-density areas. The integration of these emerging services with transit can transform regional mobility.

Metro is the region's largest public transportation provider. With our expertise in service planning, operations, capital delivery, and regional partnerships, we are uniquely positioned to lead our region's mobility transformation and enable people to travel farther and faster and easier throughout King County.

Becoming a mobility agency will position Metro to fulfill our mission: Provide the best possible public transportation services and improve regional mobility and quality of life in King County.

Our strategy for transforming mobility

-  Continually evaluate and adjust Metro's mix of services to maintain our focus on the services we deliver best while partnering with others to deliver complementary mobility options.
-  Work with regional partners to improve and expand the high-capacity fixed-route bus and rail network, strengthening the role of public transit as the backbone of regional mobility.
-  Improve the quality and cost-effectiveness of flexible route and demand response services by adopting new approaches and by collaborating with private mobility providers.
-  Adopt open and interoperable systems to enable customers to seamlessly plan, pay for, and transfer along their multimodal journeys.
-  Help develop regulations, incentives and subsidies to ensure that both public and private mobility services are safe and provide equitable access for disadvantaged populations.
-  Proactively transform our workforce through development and training programs so that employees benefit from the higher-skill and higher-wage opportunities created by the mobility transformation.





STRATEGY IN ACTION

Continually evaluate and adjust Metro's mix of services



Metro will evaluate and redesign mobility services by:

- Establishing and tracking performance indicators
- Leveraging big-data
- Utilizing network design software
- Developing new routes
- Identifying lowest ridership routes as candidates for replacement by new mobility solutions



Work with partners to improve and expand bus and rail network



Metro is currently working with partners on -

- RapidRide expansion
- Service restructures around Link Light Rail expansion
- Infrastructure improvements
- Other projects as needed



Deploy shared mobility solutions to complement transit



Ex: On-Demand First/Last Mile Pilots (Ride2 Eastgate)

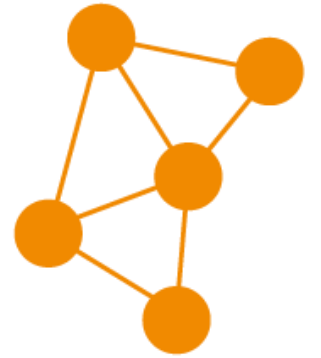
- Solve for overcrowded park & rides and feed riders into fixed-route transit
- Customers request rides to transit hubs (w/in 2-3 miles) using app or call center
- Metro partners with private mobility providers for delivery of rides
- *Metro will also test new delivery models for deviated-fixed route, low density and off peak service, and paratransit.*



Enable a seamless multimodal experience

Metro will continue working on multimodal integration, in relation to:

- Multimodal trip planning and payment
- Mobility data sharing across modes and providers
- Mobility hubs for seamless transfers across multimodal journeys





Metro will consider inventions in policy areas including:

- Integration with public transit
- Transforming public transit
- Shared mobility
- Land use & urban planning
- Car-based vehicle automation



Partner with labor to proactively transform Metro's workforce



- Mobility transformation will influence jobs with transportation, related sectors
- Metro must plan for workforce development and partner with labor to ensure employees benefit from higher skill and higher wage opportunities created





PARTNERSHIPS

Together, we'll achieve our vision

- **More, better choices**
 - Expanded fixed route transit network, integrated with new mobility options
- **Seamless customer experience**
 - Customers can plan, pay for, and transfer along multimodal journeys
- **Mobility improves quality of life, advances social equity, boosts economic prosperity, and reduces congestion in King County.**



QUESTIONS?