

# ACES

NORTHWEST NETWORK

automated | connected | electric | shared



# TECH + MOBILITY

*A REGIONAL SUMMIT SHAPING THE FUTURE OF MOVING PEOPLE*



**SOUTHPORT**  
ON LAKE WASHINGTON

Connecting the Eastside to the World

February 2020  
Southport on Lake Washington

<http://www.acesnorthwest.net/events/>

## PNWER and ACES: Collaboration

2017 Victoria, BC

Cascadia High Speed Rail

Border Goes Digital/Beyond Perimeter Clearance

2018 Whitehorse, Yukon

Clean energy and electrification

ALCAN (Shakwak) Highway

Far North, First Nations and Broadband

2018 Spokane, Washington State

PACCAR - Testing Autonomous Trucks

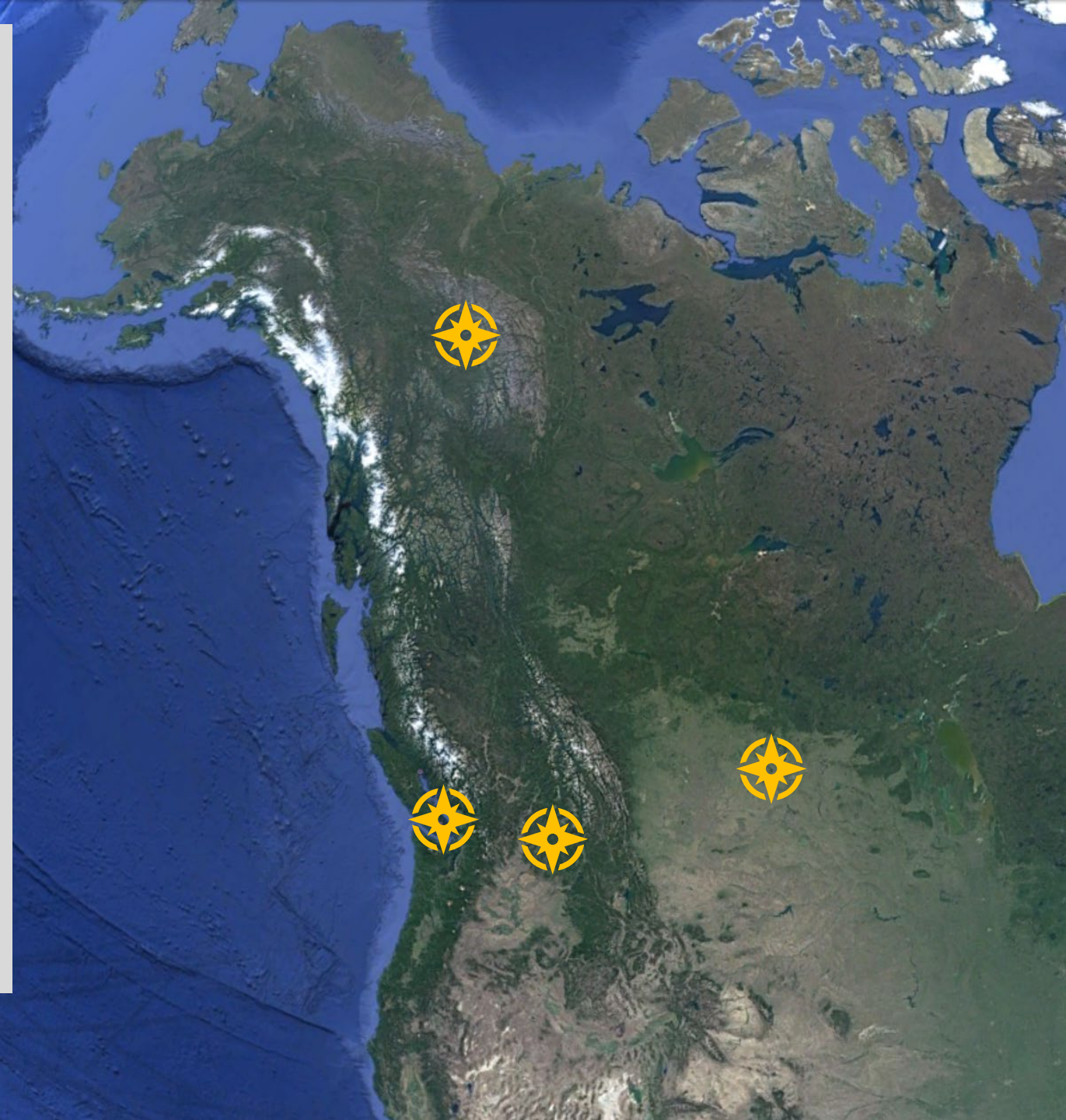
Autonomous Vehicle Regulation (WA, ID)

Utilities and Transportation Electrification (tax incentives)

5G AV's and Traffic Data

2019 Saskatoon, Saskatchewan

Autonomous Vehicles in Agriculture



# The PNW Tech Ecosystem is Growing

## MAJOR CAMPUSES



## MID-CAP TECH WITH SEATTLE HQ



## LARGE TECH SATELLITE OFFICES



## WORLD-CLASS RESEARCH



# Connected and Autonomous Vehicle Technologies

## ENGINEERING OFFICES IN SEATTLE



Mercedes-Benz



WAYMO



# Washington State Government in Action

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JAY INSLEE  
Governor



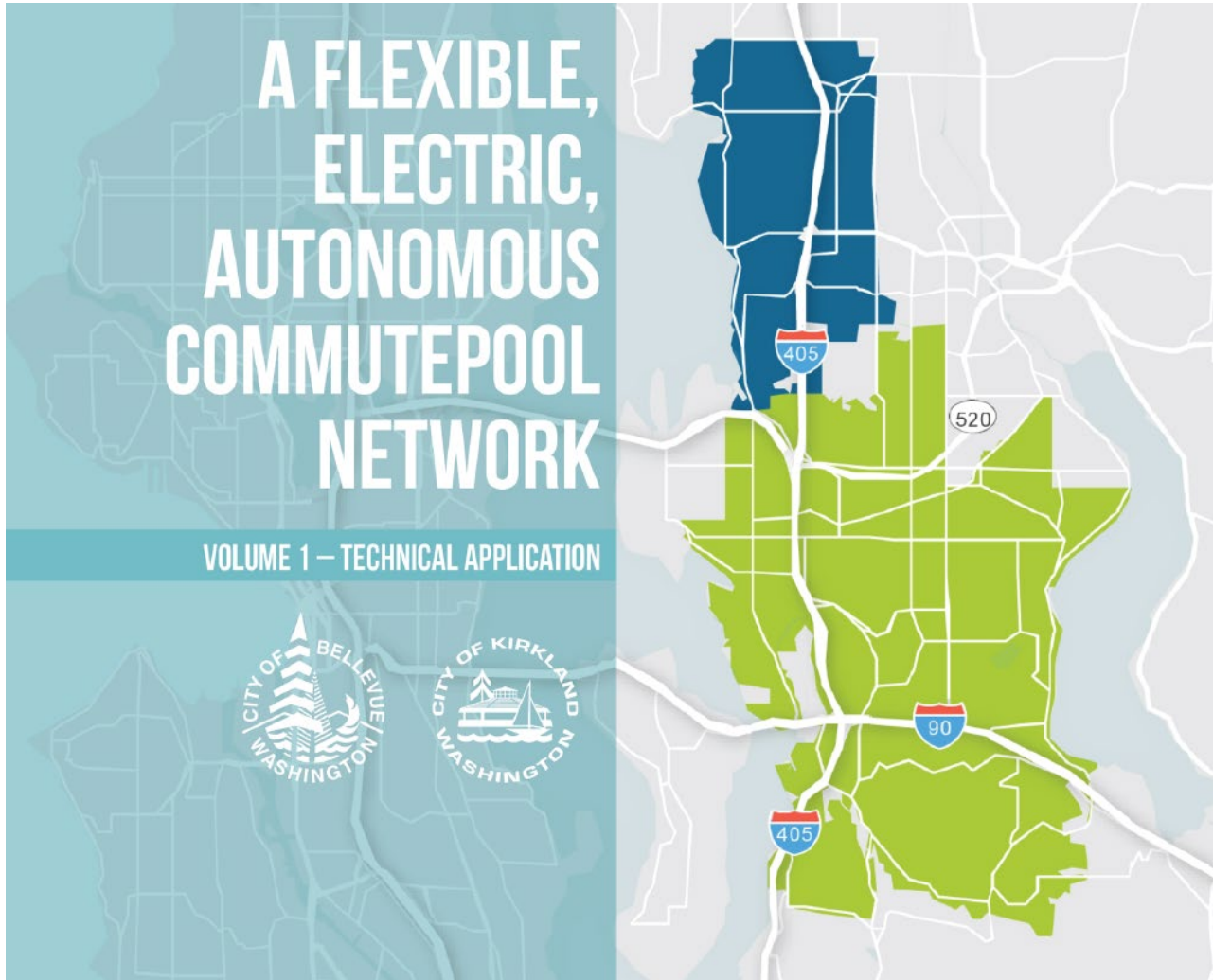
STATE OF WASHINGTON  
OFFICE OF THE GOVERNOR

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## **EXECUTIVE ORDER 17-02**

### **AUTONOMOUS VEHICLE TESTING & TECHNOLOGY IN WASHINGTON STATE AND AUTONOMOUS VEHICLE WORK GROUP**

# Emerging Mobility Creates Opportunity



# “Bellevue Connection”

*Autonomous Shuttles for Local Mobility*





# What is the Bellevue Connection?

- Autonomous, electric, shared-ride shuttles running on fixed routes in low-speed environments
- Phased implementation designed to connect people with transit service by safely using available off-street corridors
- Primarily a technology-driven system with transparent access to information for users, the system operator, and the City



Can eventually accept voluntary on-board payments using common contactless payment platforms (ApplePay, Google Wallet, Samsung Pay, MasterPass, Chase Pay) via mobile devices and contactless credit cards

# Worldwide Examples



Bay Avenue Shops  
Dubai, UAE



Stadiums  
Arlington, TX



UC Davis West  
Village

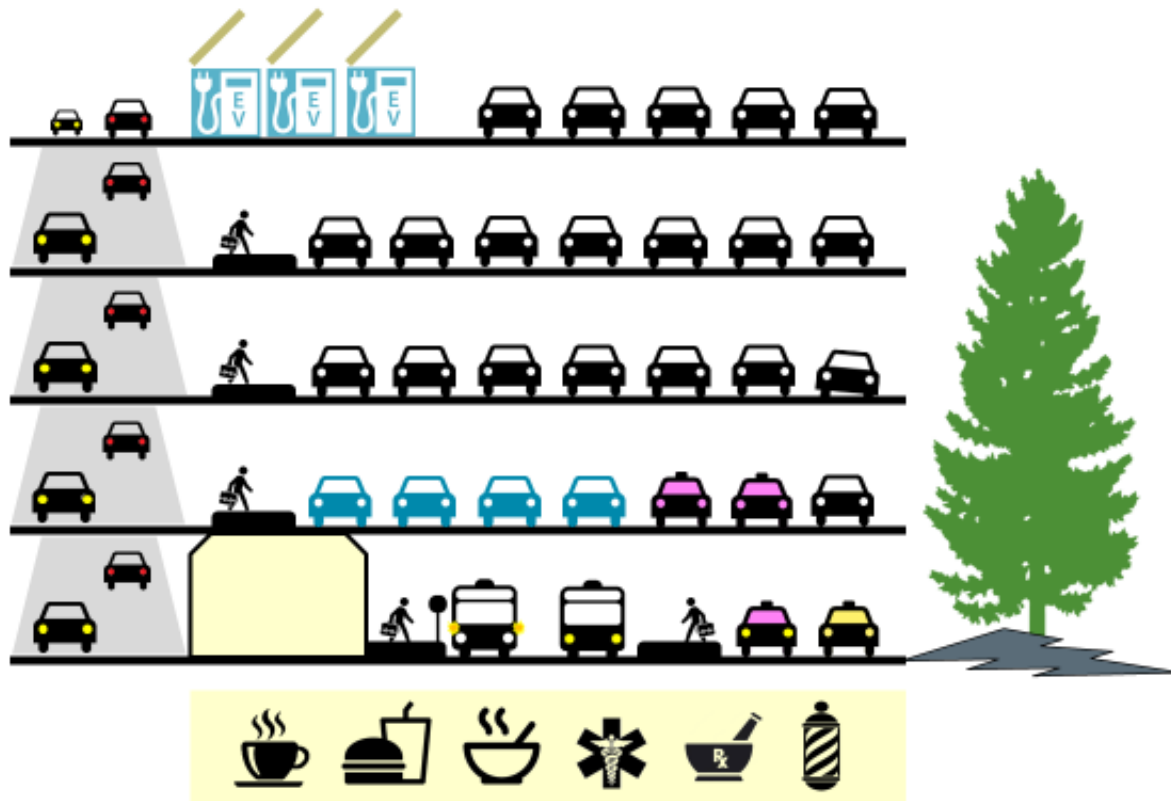
# Driving Private-Sector Investment in VHT Reduction



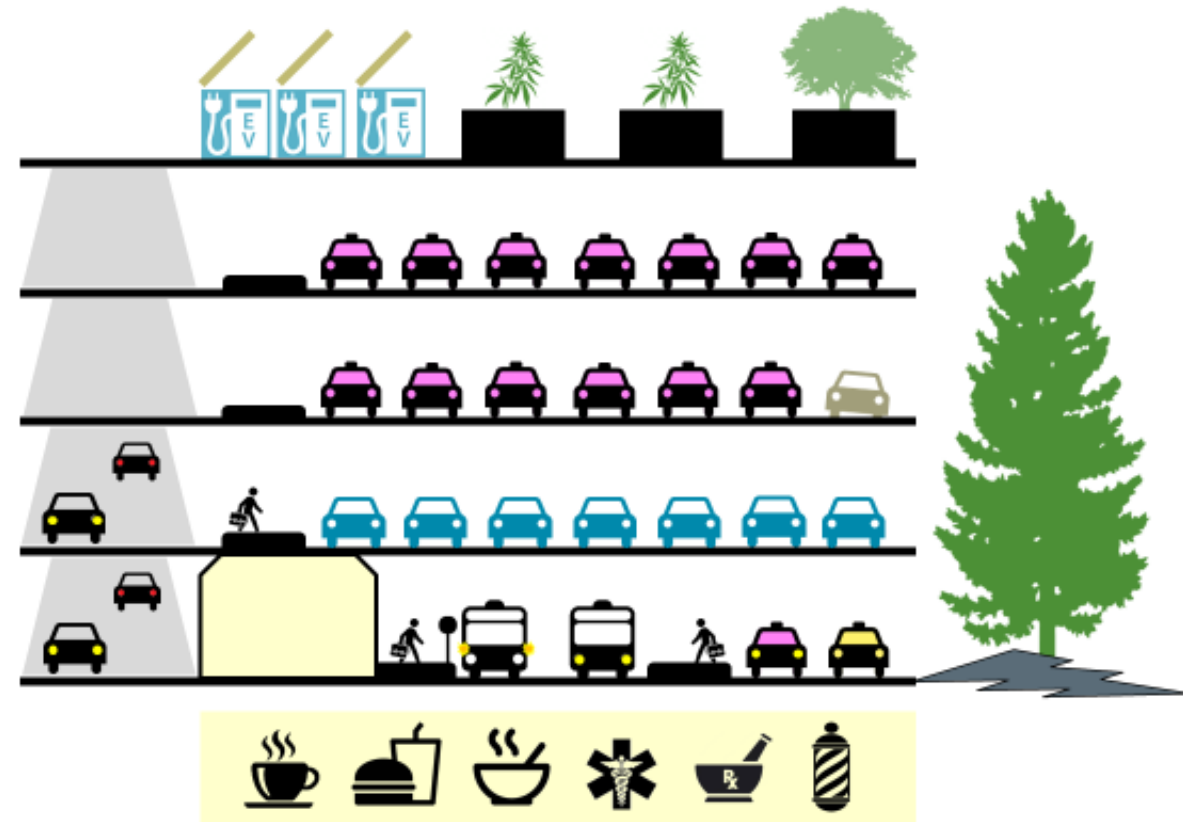
Mixed-Use Commute-Oriented Marketplaces  
funded by private developers  
serving as commuter parking now  
essential meeting places in the future  
flexibility to serve people today and beyond

# Mobility Marketplaces

## Mobility Marketplace Concept - Year 1



## Mobility Marketplace Concept - Year 20





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## Leadership, Resources, Energy, Results