The ACES Revolution Charting a Course for Sustainable Transportation in the Pacific Northwest



Low-Carbon Prosperity Institute 28 November 2018









Automated • Connected • Electric • Shared



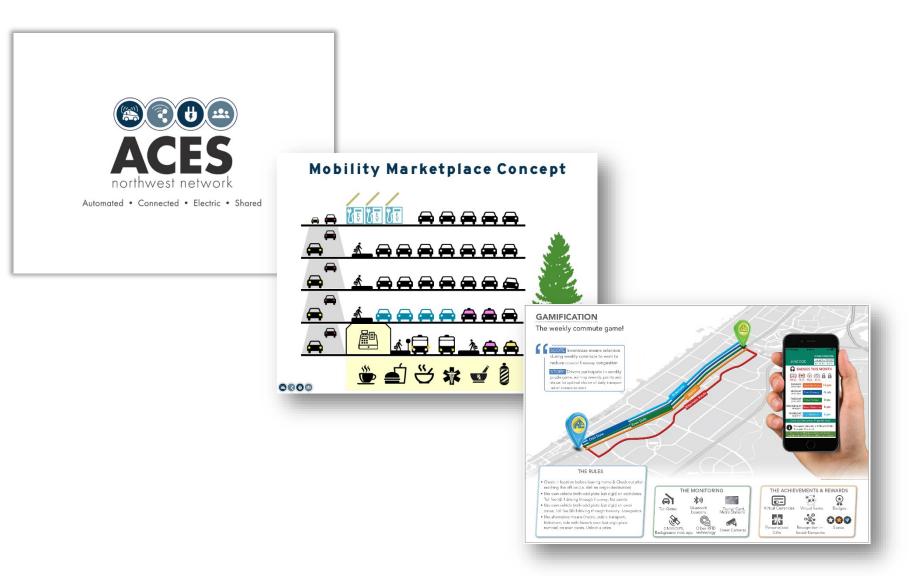
Bruce Agnew

Director of the ACES Northwest Network



Scott O. Kuznicki

Director, Safety and Mobility Technology Solutions







Automated • Connected • Electric • Shared

"The ACES Northwest Network is a unique collective working to bring Automated, Connected, Electric, and Shared vehicle technologies to the Puget Sound region."

Tom Alberg Madrona Venture Group MADRONA VENTURE GROUP

Bryan Mistele



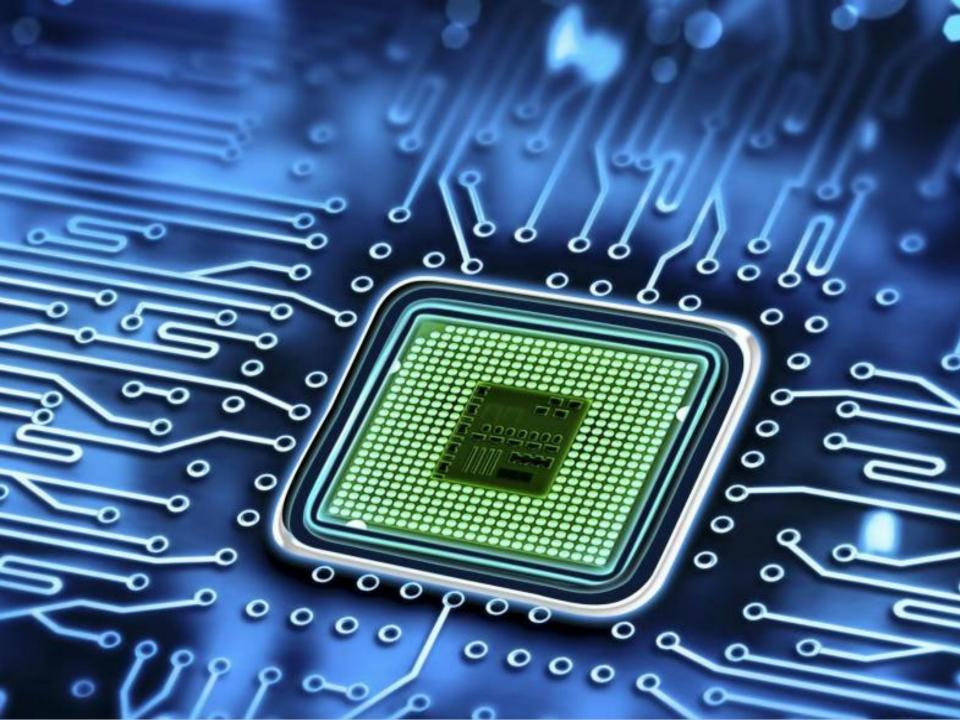
CO-CHAIRS ACES Northwest Network

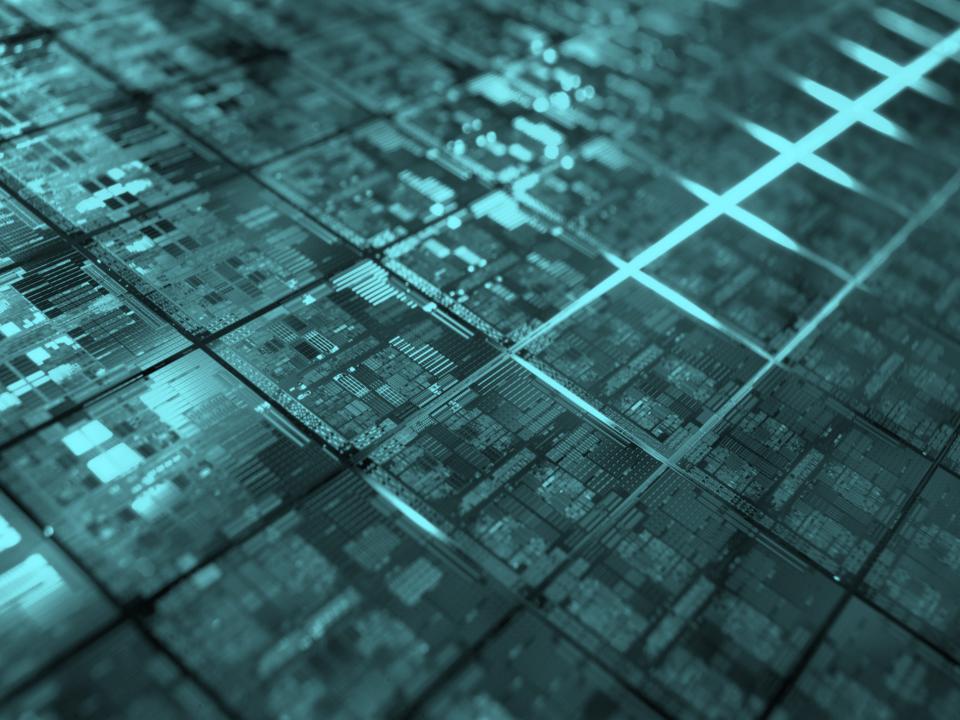


Vision



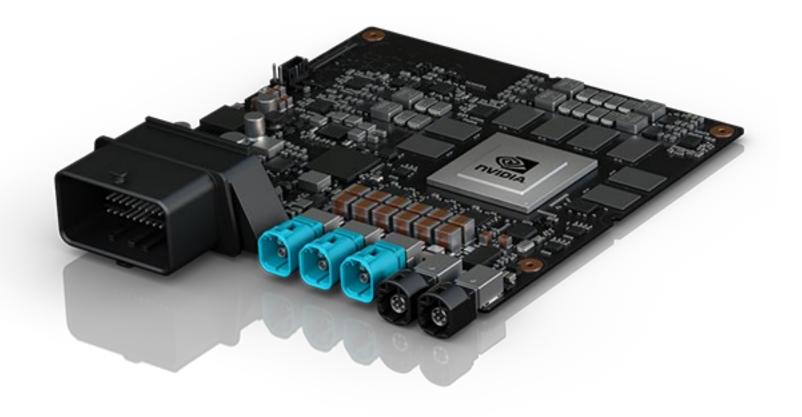


























Mission

- Accelerate and integrate technology into our transportation system
- Remove barriers to transportation innovation at federal, state, and local levels
- Promote region as international "Center of Excellence" for ACES adoption
- **Increase** mobility for lowerincome and underserved travelers







Values

Sustainability

Equity

Access



Environmental Sustainability



Economic Prosperity



VMT is evidence of economic prosperity

Reducing VHT creates *more* economic prosperity!





Mobility Marketplaces

E Menu Q		HeraldNet				
Local News	Business	Sports	Life	Opinion	Obituaries	Classifieds

By Scott O. Kuznicki and Mark Harmsworth

For The Herald

Our region's transportation system is collapsing under ever-increasing demand.

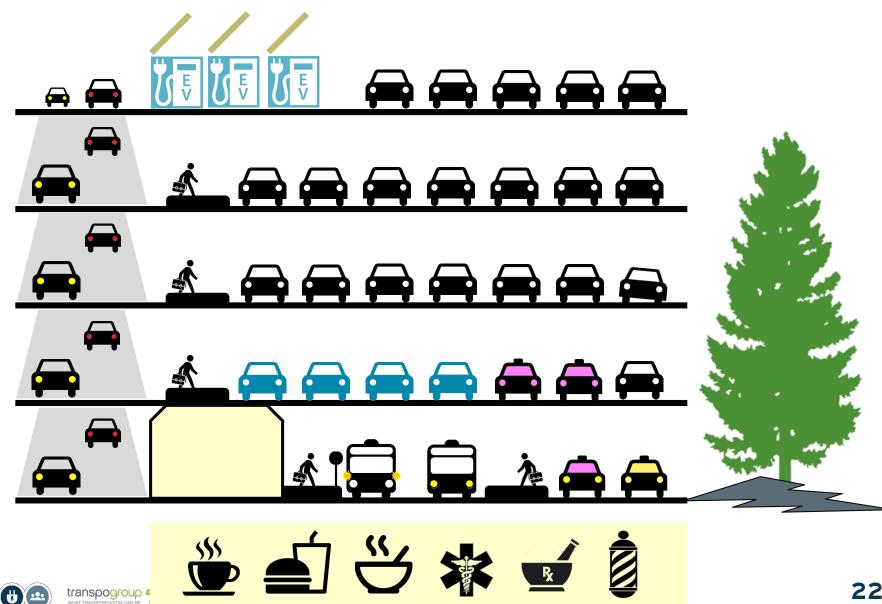
Substantive improvements to the backbone of our transportation system — the freeway system — are left to languish despite the ongoing overwhelming regional preference for the private automobile in commuting. Sound Transit, the agency in control of the majority of our region's transportation spending, incurs cost overruns on key projects while buses and parking facilities throughout the region are at capacity.

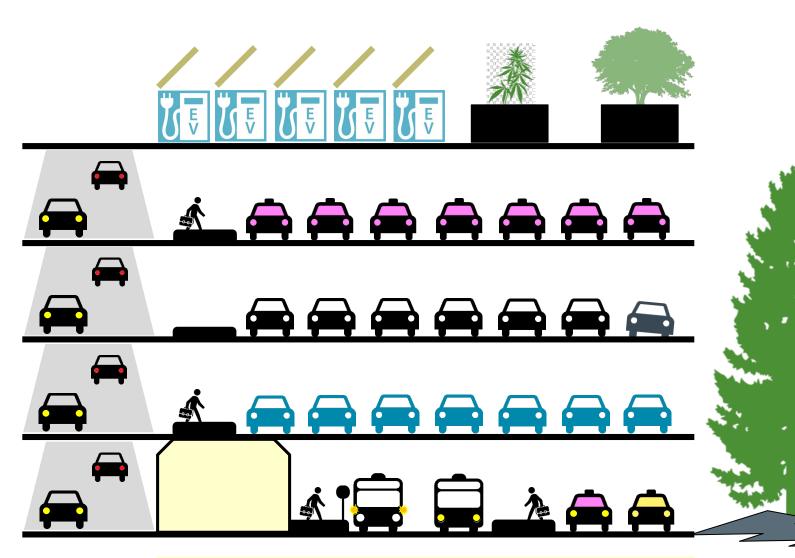
It's clear there must be a path forward for reasonable public-private partnerships that can ease access to transit, improving ridership and give drivers real alternatives in a world where key transportation needs are likely to be unmet for decades to come. One of these innovative opportunities is the possibility of a public-private partnership for park-and-ride expansion with an eye toward the future of mobility.





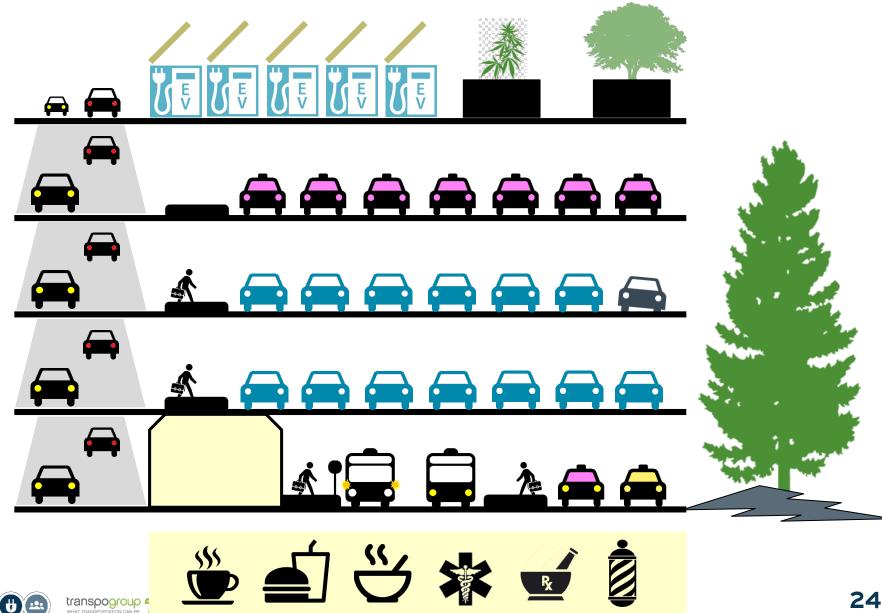




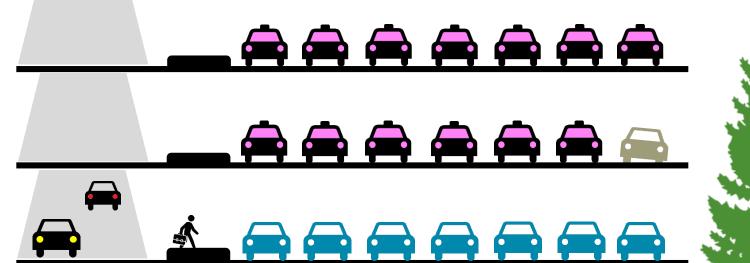


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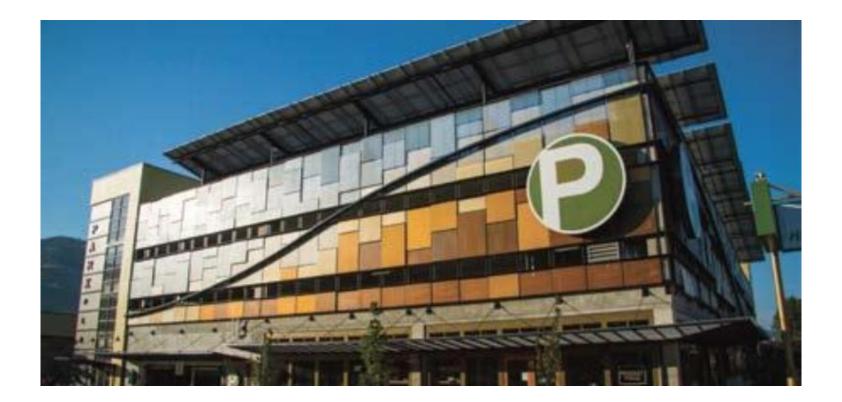




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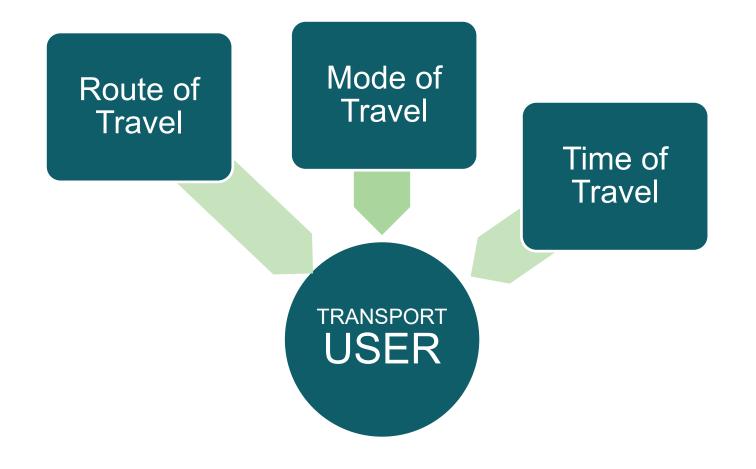
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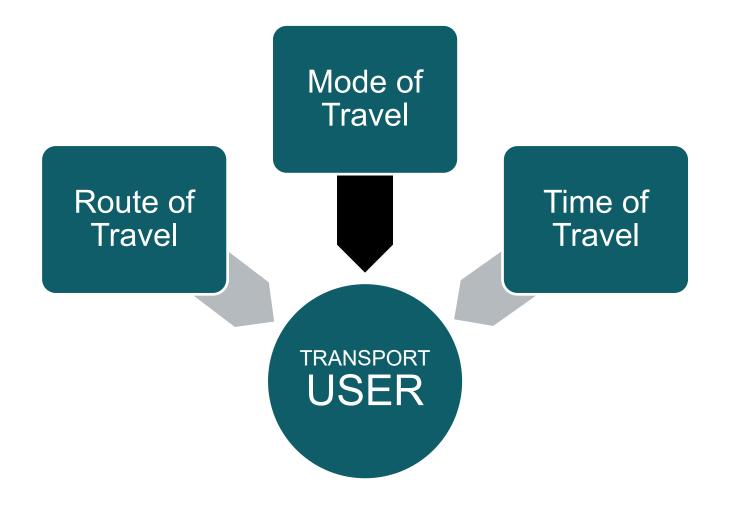




Gamification of Transportation Choices









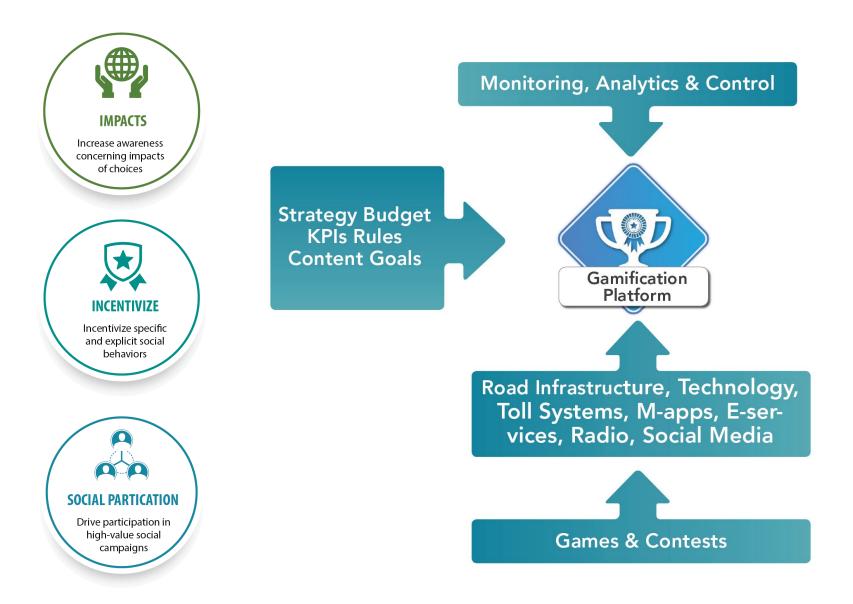
GAMIFICATION The weekly commute game! SCOPE Incentivize means selection during weekly commute to work to Green Commute License No. 5843369 JANE DOE reduce coastal freeway congestion Vehicle No. F53110 BADGES THIS MONTH STORY Drivers participate in weekly (c) 🛞 💮 😳 🔒 🔒 puzzle game, earning rewards, points and 200 pts 30 pts 50 pts 20 pts status for optimal choice of daily transpor-SUNDAY Used the Metro 10 pts 26/03/2017 tation means to work MONDAY Drove Freeway -5 pts 27/03/2017 TUESDAY 0 pts Prove Freeway 28/03/2017 WEDNESDAY 29/03/2017 Drove Alternative 8 pts THURSDAY 6 pts od Job! You earned 19 pts this week You spent (\$31.50) in Tolls and Public Transport this week Odd Date its 4.283 Tonnes of CO, per ann

THE RULES

- Check in location before leaving home & Check out after reaching the office (i.e. defi ne origin-destination)
- Use own vehicle (with odd plate last digit) on odd dates. Toll fee **\$2** if driving through freeway. No points
- Use own vehicle (with odd plate last digit) on even dates. Toll fee \$8 if driving through freeway. Lose points
- Use alternative means (metro, public transport, Rideshare, ride with friend's even last digit plate number) on even dates. Unlock a prize.











Programs

Seattle, South Sound, and Bellevue Working Groups

Instantional





Demonstration Corridor



62,000 Chrysler Pacificas



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Eastside | Local News | Traffic Lab

Sound Transit settlement will subsidize Uber and Lyft rides to Mercer Island transit center

Originally published March 29, 2018 at 6:00 am | Updated May 1, 2018 at 2:54 pm



Resources

Energy

Results



 Some of the money in a \$10.1 million settlement Mercer Island gained in a lawsuit last year is
 1 of 2
 going to subsidize Über and Uft rides for island residents to the Mercer Island park-and-ride. (Gene J. Puskar/AP)

Mercer Island will spend up to \$226,900 in taxpayer funds to provide discounted Uber and Lyft rides from its wooded neighborhoods to the island's often-packed transit center.



By Mike Lindblom y Seattle Times transportation reporter

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Some of the Sound Transit taxes paid by Eastside residents will subsidize Lyft and Uber rides to the Mercer Island transit center.

The six-month test project is meant to take pressure off the island's 447-stall park-and-ride garage, which often fills before 7 a.m. as people arrive to meet I-90 express buses.

 The program is funded by up to \$226,900 that's earmarked for "first-last mile solutions" to move people between transit and their final destinations. At least 26 other park-and-ride facilities in King County are chronically full, so these kinds of arrangements might spread.

