

Getting the policies in place to support the triple revolution

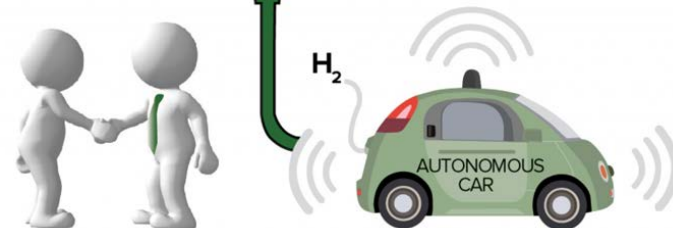
Susan Pike

April 13, 2017

Downtown LA Forum

3 Revolutions

Shared
Automated
Electrified Vehicles



The Triple Revolution



Source: autoevolution.com



Source: Pheonixmotorcars.com



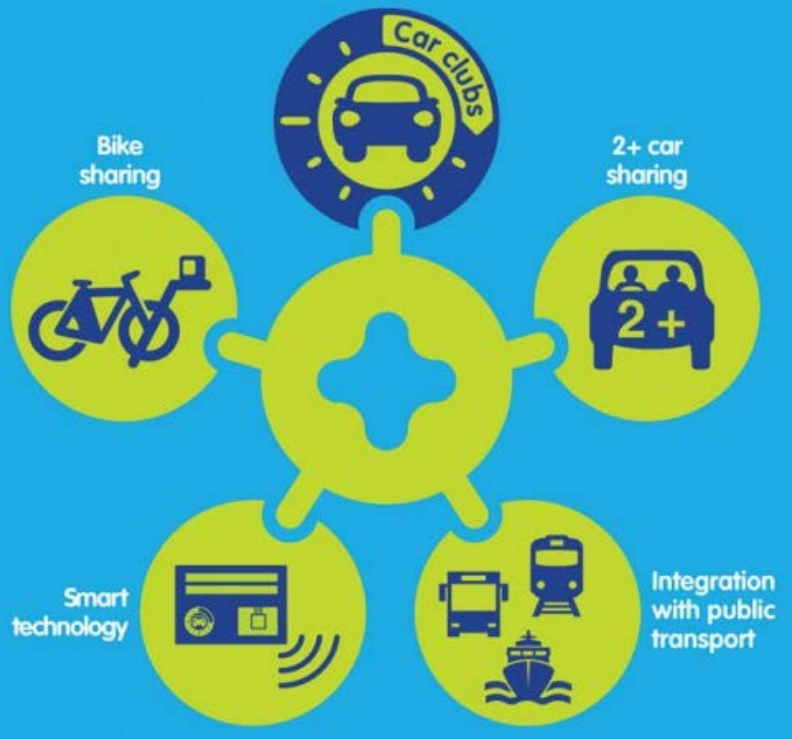
Source: pcmag.com

Changing Transportation Landscape

- Transforming how people and goods move:
 - On-demand mobility services
 - Emergence of automated vehicles
 - Shared use mobility options increasingly available
- Possible benefits:
 - May improve access, mobility and safety
 - Reduce congestion, parking needs and emissions
- Potential problems:
 - Exacerbate existing congestion and emissions
 - Perpetuate inequalities in access



Policy and Planning



Source: carplus.org

- Will the three revolutions improve sustainability and equity outcomes?
- How can we evaluate existing pilot projects?
- Policy goals:
 - Increase vehicle occupancy
 - Improve multi-modal connections
 - Introduce new options in poorly served areas
 - Intensify electric vehicle use
 - Shift auto use to shared model

Incentivize Autonomous Vehicles to be Shared and Electric



- Rebates for automated vehicles purchased for shared use
- Extra ZEV credits for automated vehicles that are electric
- Reduced fees for use of public infrastructure for AVs operating in shared use fleets

Require Data Sharing

- Large investments in pilot projects
- Limited ability to evaluate because data is proprietary
- Support identification of best practices



RT Station Link

Courtesy of Uber, Lyft and Yellow Cab

Getting to light rail just got easier! Starting on Monday, October 3, 2016, RT will provide up to \$5 off on Uber, Lyft or Yellow Cab when you ride to or from one of RT's participating light rail stations:

- Roseville Road
- Florin
- Franklin
- Watt/Manlove
- Sunrise
- Power Inn

How does it work?

1. Download the Uber, Lyft or Curb app from the App Store or Google Play
2. Trip must begin or end at one of the stations above
3. Use promo code "SACRT" to save up to \$5*

*Limit 10 rides per customer, per ride-hailing service. Available for a limited time only.

The graphic titled "How to Use RT Station Link" shows a smartphone with the Uber app icon, a Google Play icon, and a yellow cab icon. It includes the text "Plan your trip to or from one of RT's participating light rail stations." and "Save up to \$5 using promo code 'SACRT'". Logos for Uber, Lyft, and Yellow Cab are at the bottom, along with the text "For more information, visit sacrt.com" and "Regional Transit".

Regional Transit

SHARED-USE MOBILITY CENTER SHARED MOBILITY TOOLKIT MAPPING TOOL BENEFITS CALCULATOR

Shared Mobility Policy Database

Policies & Plans » First/Last Mile Solutions

Search keyword... Browse by Topic Tag Location Re

Sort by Title Date enacted

* Key policy

Centennial First and Last Mile Pilot *
MOD Partnership Centennial, Colorado, US

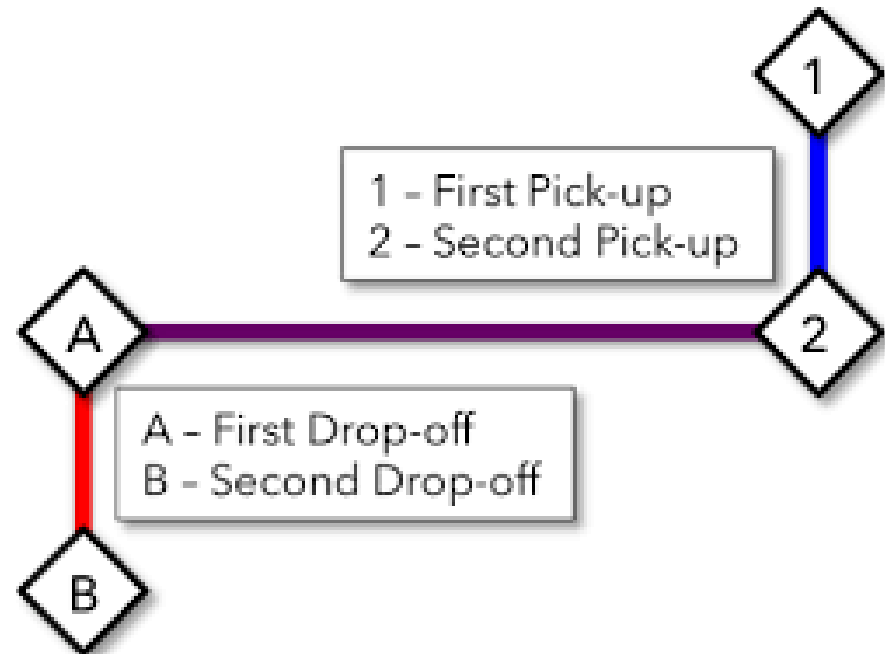
City of Houston hiring full-time urban designer to solve first/last mile problem, Houston, 2016
Internal Policy Houston, Texas, US Sep 12, 2016

Denton County and Uber
Denton, Colorado, Texas, US

Taskbar: l_Victor_PLANS...pdf us-bike-sharing-file...rtf Paper #3 - S... First/Last Mil... Susan Pike S...

Promote Higher Load Factors

- Incentives for pooled services:
 - Special parking and stopping privileges
 - Single passenger services not allowed to use carpool lanes
 - Employer based TDM programs



Minimize VMT and Emissions

- Per-mile fees for automated vehicles
- Restrict potential sprawl



Ensure Equitable Access

- Require fair geographic coverage
- Payment options for disadvantaged
- Internet and telephone ride requests



We can get it right

- Actively engage in policy making now... before the three revolutions are full fledged
- Guide the 3Rs to support sustainable transportation outcomes

