The Autonomous Vehicle Vision

CSG Autonomous & Connected Vehicles Policy Academy

Prashanthi Rao Raman
Director of Public Policy, Lyft
Will automated cars help or hurt cities?
Will automated cars cut miles and carbon?
Will automated cars be shared or owned?
The average car is used 4% of the time, at 20% occupancy.
Most commuters drive by themselves

American Community Survey, 2013
Lyft is helping shift from ownership to ridership
300+ cities
18 million rides every month
People who use ridesharing:

- Less likely to own car
- Drive less
- Take transit more often
- Use other Shared Mobility modes
How Lyft Can Cut VMT

- Increase vehicle occupancy
- Connect to Transit
- Electrification
Over 40% of rides are shared rides in markets where Lyft Line is available.
Solving the First and Last Mile Problem
THE ROAD AHEAD
Better Together

- Electric
- Autonomous
- Shared
Reduce emissions by > 90 percent.

Relative Cost of Electric vs. Gasoline Vehicles for Mobility Service

- Cost per mile (70,000 mi/yr) ($2015)
- $200B in total annual fleet savings
- Release of $35K long-range electric vehicles

Rocky Mountain Institute, “Peak Car Ownership,” 2016
THE ULTIMATE SUBSCRIPTION

$9,000 Annual Cost Per Vehicle

Mileage Subscription Plans
By 2025, private car ownership will all-but end in major U.S. cities.
Smart Lanes priced to manage demand and occupancy
Planning Issues

Parking Minimums
Curb Management
Wayfinding
Interoperability
EVSE Infrastructure
Cities re-designed for people
The Full Build Out Vision

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