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Mileage-based User Fees: Preparing for Change

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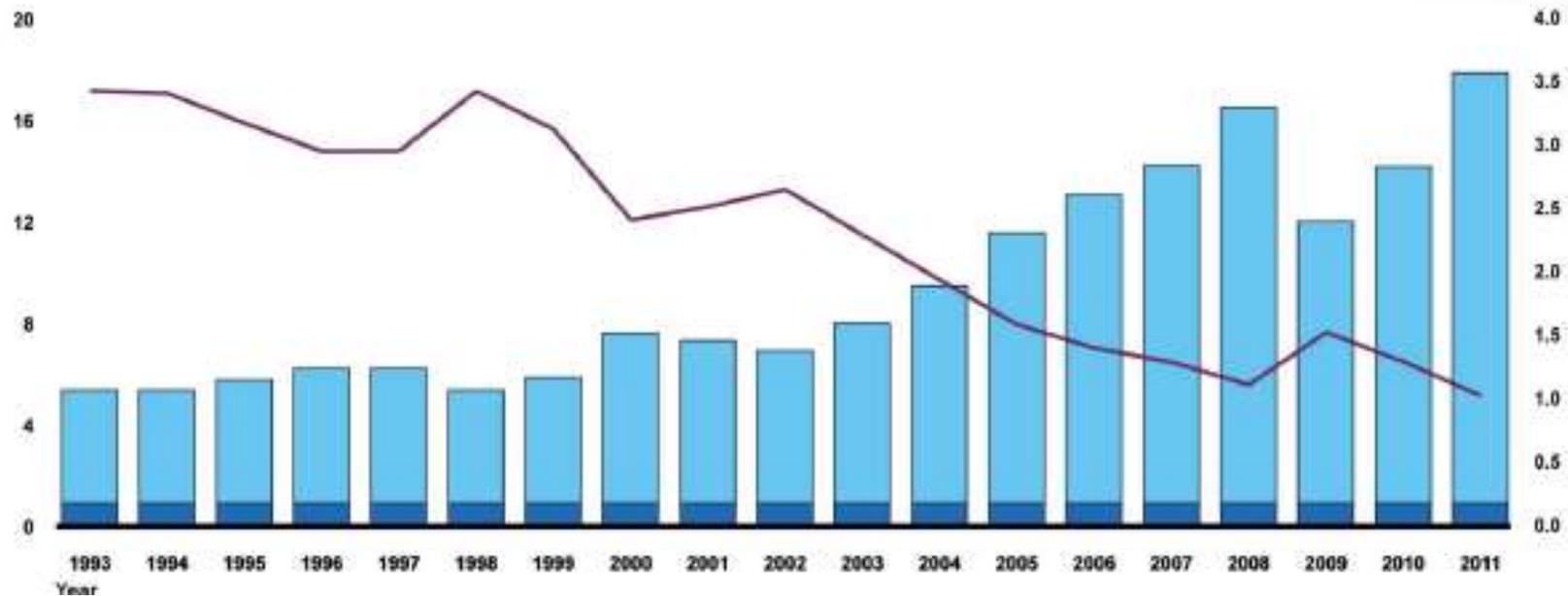
JACOBS[™]

Transportations Revenue Sources are changing



and creating uncertainties...

Declining Revenues



-  Average retail price per gallon, minus federal gasoline tax
-  Federal gasoline tax (18.4 cents)
-  Federal fuel tax as percent of gasoline price

Source: GAO analysis of Department of Energy data.

MBUF a.k.a VMT Fee

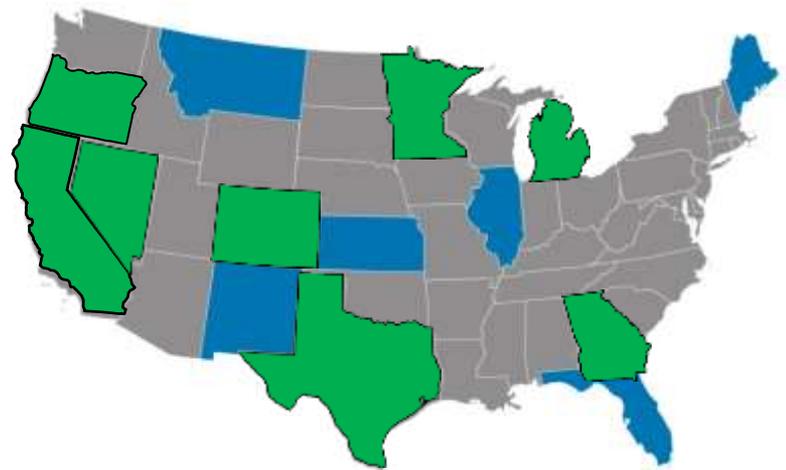
Distance-based fees levied on Vehicle Users for Use of a roadway system.



AS OPPOSED TO TOLLS, WHICH ARE FACILITY SPECIFIC AND NOT NECESSARILY LEVIED STRICTLY ON A PER-MILE BASIS, VMT FEES ARE BASED ON THE DISTANCE DRIVEN ON A DEFINED NETWORK OR ROADWAYS.

Preparing for Change

- Oregon DOT 2007 Road User Fee Pilot Program & 2012 Road Usage Charge Pilot Project
- Puget Sound Regional Council Traffic Choices Study
- Georgia Tech Commute Atlanta Study
- University of Iowa Nat'l Evaluation of a Mileage-Based Road User Charge
- CBO Alternative Approaches to Funding Highways
- NCHRP Study



Formula for Successful Change

**Vision + Skills + Incentives +
Resources + Consensus +
Action Plan =
Change**

Creating an Inclusive School, D. Ambrose.
Adapted by Knoster, Villa & Thousand, ASCD. 1995

Deficits in the Equation

Vision + Skills + Incentives + Resources + Consensus + Action Plan = **Change**

(Vision) = Confusion

(Skills) = Anxiety

(Incentives) = Resistance/Gradual Change

(Resources) = Frustration

(Consensus) = Sabotage

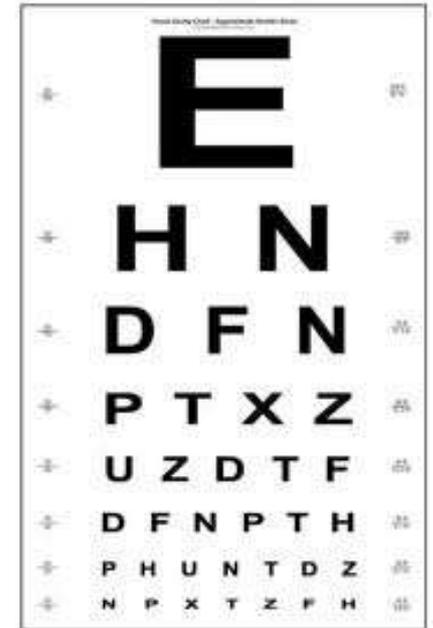
(Action Plan) = Treadmill/False Starts

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VISION (Confusion)

What is the vision?

- That every car/vehicle pays its fair share?
- That we have sufficient revenue to pay for roads, bridges, tunnel -- new construction and maintenance?
- That we replace the gas tax or supplement it?



SKILLS (Anxiety)

No
Tech



Low
Tech



+



High
Tech



Technology

- On Board Units
- GPS System
- Smartphone



INCENTIVES (Resistance)

- Fair allocation of costs based on the number of miles driven, the time of day, the route taken, and the weight of the vehicle.
- Increased Economic Sustainability
- Increased Road Use Efficiency
- Decreased Congestion
- Increased Use of Other Modes of Transportation
- Data that Informs
- Support Environmental Sustainability
- Address Institutional Waste
- Reconcile transportation funding shortages
- Increase public and institutional cost effectiveness and accountability



RESOURCES (Frustration)

- **State initiatives**
- **Private sector interest**
- **Implementation**
- **Operations**
- **Maintenance**



CONSENSUS (Sabotage)

- **Incentive is raising more revenue**
- **May not be a shared incentive**
- **Privacy Concerns**
- **Big Brother**



ACTION PLAN (Treadmill)

Q: How do we get it done?

**A: It's Complicated and
It Depends**



~~Plan A~~

~~Plan B~~

~~Plan C~~

Plan D

HELP!

Where is MBUF in the Scheme Of Change?

Vision

Skills

Incentives

Resources

Action Plan

CONSENSUS



Moving Forward

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