

MINNESOTA DISTANCE BASED FEE

TECHNICAL ADVISORY COMMITTEE VIRTUAL MEETING

-AGENDA-

Date: April 23rd, 2021

Time: 11:00 am - 12:30 pm

Zoom Meeting hosted by the University of Minnesota

https://umn.zoom.us/j/91721177798?pwd=UCsvZkdUQVZxd3VhVHRkeWdhdGZ4dz09

Meeting ID: 917 2117 7798 Passcode: 9pS1ci

Welcome Scott Peterson (5 min)
 Host and Roundtable Lee Munnich (2 min)

Announcement

Overview and Updates
 Demonstration Project Status
 Focused Project Deliverables
 Ken Buckeye (10 min)
 Markell Moffett (5 min)
 Mike Warren (10 min)

a. Mock Audit and Rate Setting

Framework

b. Demonstration Project Report Overview

6. Review of Rural/Urban Meredith Benesh (5 Min)

and Administrative Costs

Survey Results

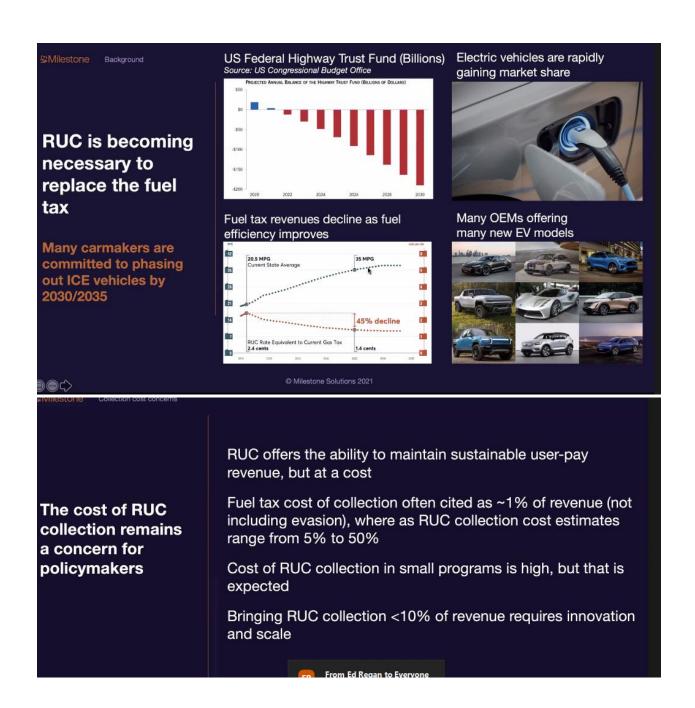
7. Privacy Memo and Discussion Frank Douma (20 min)8. Discussion Scott Peterson (10 min)

9. Adjourn

Attachments:

- 1. Slides
- 2. Rural/Urban and Administrative Costs Survey Report
- 3. Privacy Memo
- 4. Rate Setting Framework

- 5. Minutes from March Meeting
- 6. Recording of April 14th, 2021 Senate Committee on Environment and Public Works hearing "Long-term Solvency of the Highway Trust Fund: Lessons Learned from the Surface Transportation System Funding Alternatives Program and Other User-based Revenue Solutions, and How Funding Uncertainty Affects the Highway Programs"
- 7. Demonstration Project Report to be sent separately for review



Three policies the public sector can adopt to reduce the cost of RUC collection

Nurture the RUC service provider market

Leverage existing state services and systems

Support lower-cost mileage reporting technologies

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Service providers are account managers, private companies that collect RUC on behalf of the government

An "open market" allows competition among service providers to drive costs down

- An open market can begin with a single service provider that adheres to open, published standards (Utah), or with multiple providers (Oregon, New Zealand)
- The market can grow with the population of subject vehicles
- An open market requires a specialized procurement and an ongoing certification process

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Support Lower-Cost Mileage Reporting Technologies

Encourage combination of milage reporting with other services such as:

- · usage-based insurance
- remote emissions inspections
- · fleet services

Mandate RUC data provision through vehicle telematics

Mileage Based User Fees THE Answer

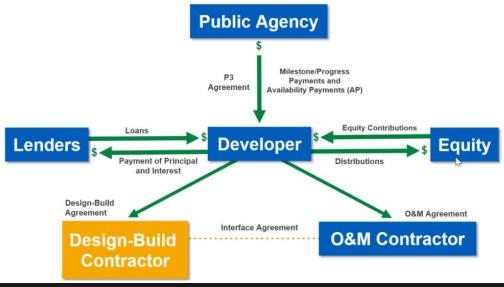
- The standard answer, popular among academics, consultants and some politicians,
 - Even Mayor Pete Buttigieg on the campaign trail
- Objectives:
 - Practical
 - · Several technology options
 - · Multi-state (and multi-national) issues
 - Privacy concerns
 - Equity
 - · Urban-rural; income impacts
 - Cost-effective
 - Gas tax costs 1-2 percent to collect
- This presentation shows how to solve every problem
 - Other than politics

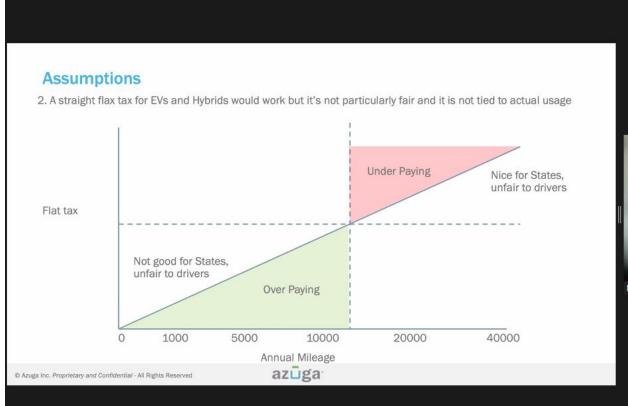
Is IFTA the "Magic Sauce?" Sounds mysterious

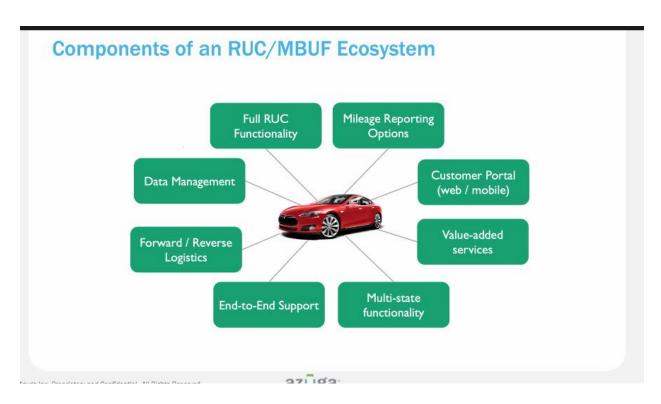
- What is IFTA?
 - · International Fuel Tax Association
 - IRP = International Registration Plan
- Purpose: Provide equitable allocation of motor fuel taxes across states (and provinces). IRP focus on registration fees.
- Every state in continental US a member plus Canadian provinces
- Applies to all interstate trucks above 26,000 GVW
- · Each quarter, each trucking firm reports
 - Miles driven by their fleet in each state and province
 - · Fuel purchased in each state
- IFTA organization then calculates payments required to make system equitable

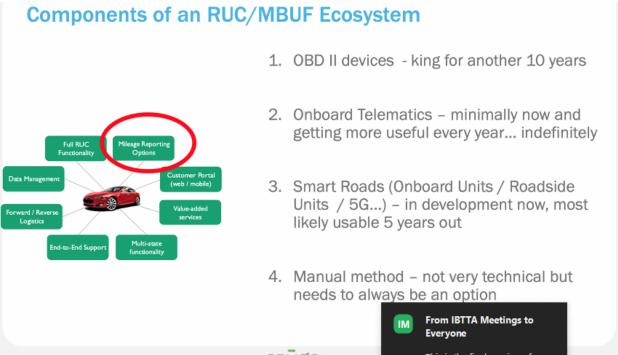
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Typical Availability Payment P3 Contractual Structure









Not all vehicles have onboard telematics Very disparate system, many versions Doesn't necessarily include location data OEMs are not willing to offer data at a cheaper price Multi-state functionality



Paul Salama, Clear Roads

→ Digital Road Charge Programs Can Be Adjusted in Multiple Dimensions, On-the-Fly

- Fee/policy structure
- Charge amounts \$\$\$ \$\$
- Vehicle segments/participation





A Cautionary Tale of Privacy & Education



Components of an RUC/MBUF Solution Processing Mobile Data OS Analysis Mobile Hosting Data Management Hardware Data Processing Safety Multi Customer Requirements Road Differentiation Support Tenancy Management

Components of an RUC/MBUF Solution SendGrid Twilio Design Privacy Phone Mfr's MySQL Hadoop Hadoop Microsoft Microsoft Salesforce Salesforce Stories On Board Netsuite Jira HERE Partnerships Gamification

Single Use vs Multi-Use: Fuel taxes





Consumers

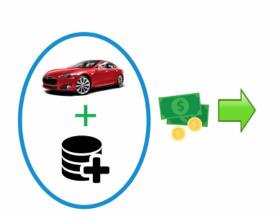
Maintain Roads

Use the Roads

Simple. Elegant. Cost Effective.

Single Use. Inflexible. No Transparency. Not Future proof

RUC ecosystems provides options and benefits





Government

Maintain Roads

Transportation Research
Remote Emissions
Tolling
Area Pricing
Layered Area Pricing
Congestion Pricing
Fuel Purchase Analysis
RUC Clearinghouse



Consumers

Use the Roads

Wallet
Scoring
Geofencing
Trip Logging
Rewards
Savings
Vehicle Health
Roadside Help

Multi-Use. Flexible. Transparent. Future proof.

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