

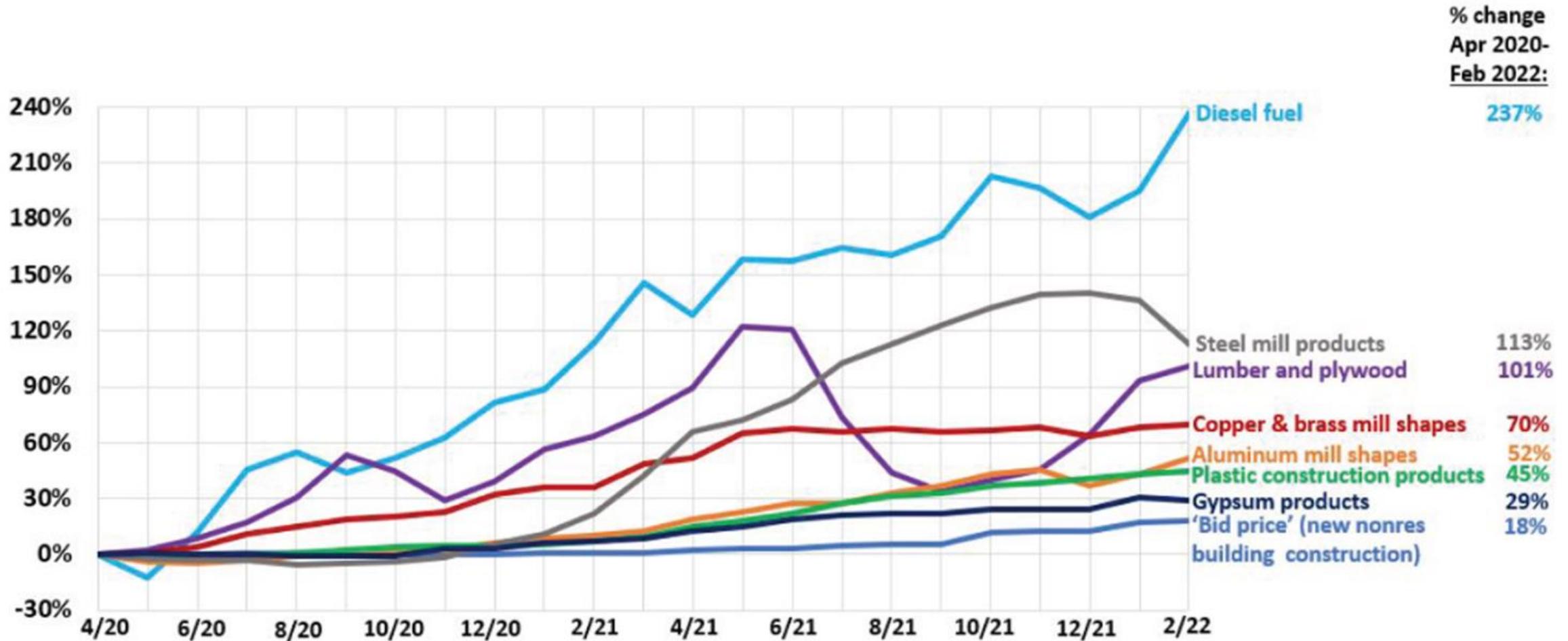


Utah's Road Usage Charge Program

Cameron Kergaye, PhD, PE, PMP Director of Research & Innovation



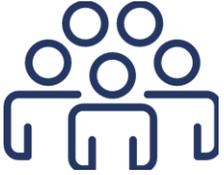
Recent Inflation



Source: Bureau of Labor Statistics, producer price indexes, www.bls.gov/ppi

Mobility is Changing

Transportation choices, policies, and population growth are defining Utah's transportation future.

 **50B**

Billions of Miles Driven Annually

 **23B**



2000

2010

 **30B**



2020



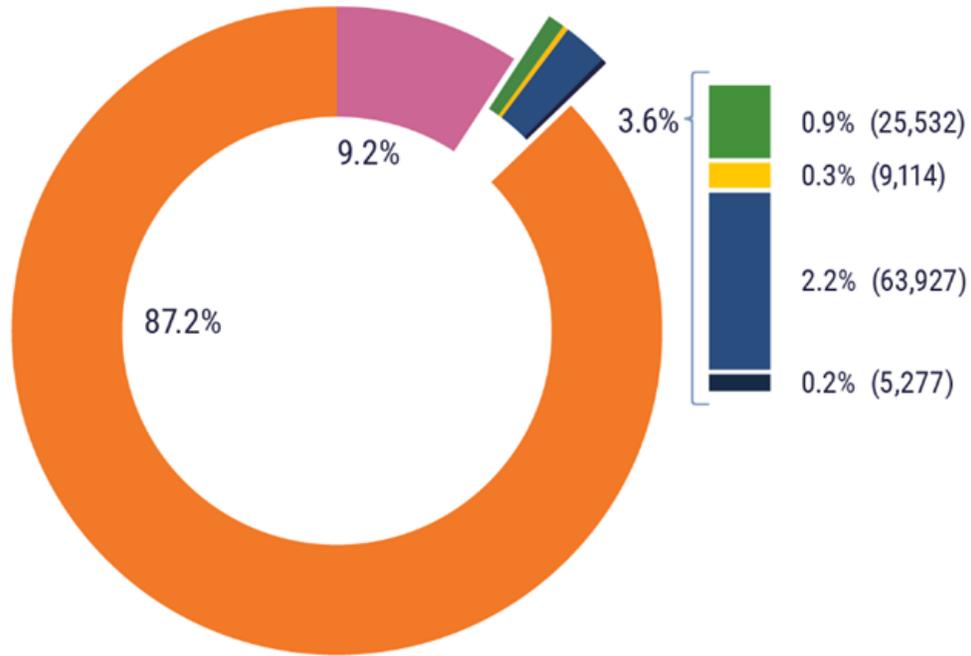
2030



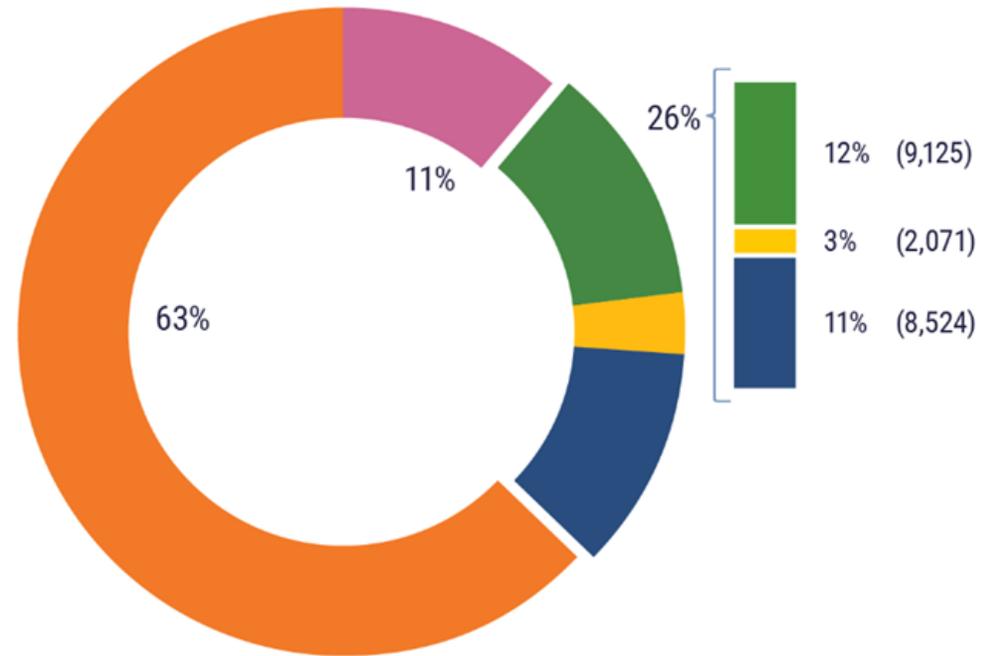
2040

Utah's Vehicle Fleet

Total Registered Vehicles
2,864,937 (Feb 2023)



Annual **Increase** in Registered Vehicles
75,766 (Feb 2022 to Feb 2023)



■ Gasoline
 ■ Diesel
 ■ EV
 ■ PHEV
 ■ Gas Hybrid
 ■ Other Fuel

DATA UPDATED THRU FEB 2023

Utah Growth in EV & Hybrid Registration

Electric vehicles

averaged

48%

annual growth in registration
from 2015–2023.

*Increase of 9,125 EVs from 2022–2023

Hybrid vehicles

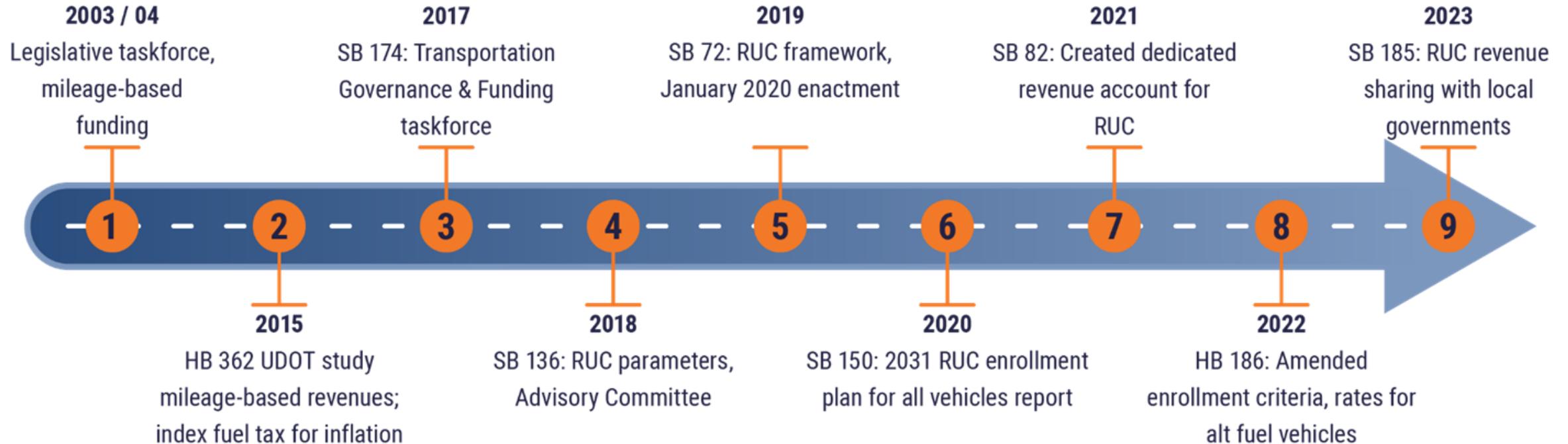
averaged

14%

annual growth in registration
from 2015–2023.

*Increase of 10,595 hybrids from 2022–2023

Utah's Road Usage Charge Legislation History



Transportation Funding Must Adapt

Fair

Maintains link between road usage and road funding
– improves transportation equity



Better Mobility

Sustainable

Supports EV adoption by giving options to owners of alternative fuel vehicles (mileage fee or registration fee)



Good Health

Community-minded

Helps stabilize infrastructure funding to improve access to opportunities and foster community growth.



Connected Communities

Innovative

Adapts to Utah's changing fleet and funding sources while enabling reliable infrastructure



Strong Economy

Road Usage Charge Policy Considerations

State Agencies

- Eligible Vehicles
- Operational Structures
- Data Security
- Enforcement & Disputes
- Public Outreach

Legislature

- Key Champions
- Revenue Alternatives
- Legislation & Governance
- Privacy Protections

Public

- Stakeholders
- Tech Choices
- Privacy
- Outreach
- Education



Elements of Utah's RUC System

Technology

- Telematics
- OBD-II
- Digital Odometer



Privacy

- Flat Fee or RUC
- Data Retention
- Data Distribution
- User Agreement



Vehicle Types

- Electric (EV)
- Plug-in (PHEV)
- Gas Hybrid



Enrollment

- Online
- VIN entry
- Initial Odometer Capture
- DMV Interface
- Registration Holds



Comm Acct Mgr

- Prepaid Wallet & Cap
- Credit/Debit Card
- Monthly Statement
- User Options



Road Usage Charge – roadusagecharge.utah.gov



HOME

FAQ

ENROLL

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Welcome to Utah's Road Usage Charge Program

The Future of Utah Transportation

Operated by **emovis**®



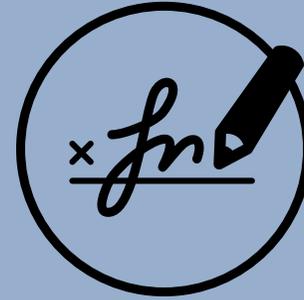
Enrollment Process



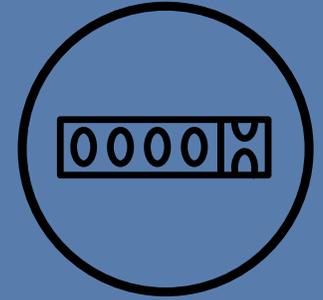
Enroll online with name, license plate number, and VIN.



Provide valid credit or debit card for prepaid wallet.



Complete CAM user agreement.



Submit initial odometer capture.

DMV Integration

- Syncing annual registration cycle (and flat fee payments) with RUC enrollment
- Confirmation that RUC applicants' vehicles are eligible for program
- Ability to place registration holds for non-compliance and clear the holds once driver's paid debt



Flat Fee & Per-mile Charge Options

Annual Flat Fee

EV: \$130.25
PHEV: \$56.50
Hybrid: \$21.75

Mileage-based Fee

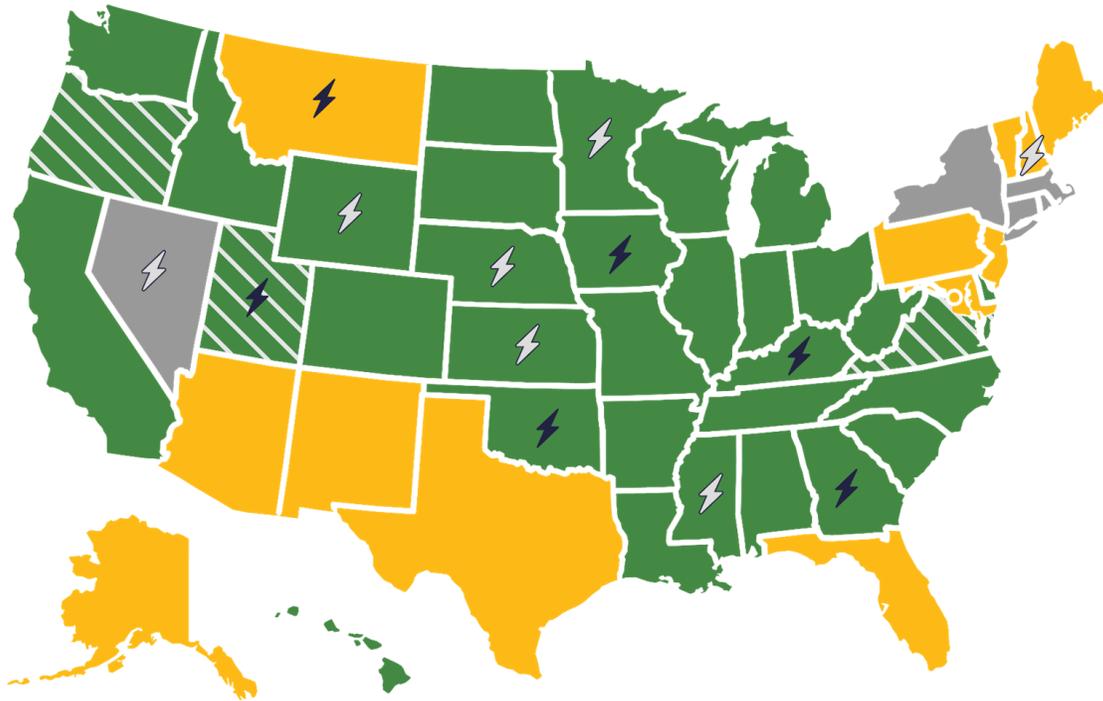
1.0¢ / Mile



DRIVE LESS. PAY LESS.
Alternative fuel vehicle drivers have a new choice.

PAY AS YOU GO
Mileage-based fees will not exceed annual flat fee;
fees and mileage rate are both indexed to CPI.

Alternative Revenue Approaches for Fuel-Efficient Veh



PER-MILE RUC/MBUF ENACTED (3 STATES)

CONSIDERED ANNUAL FEES (12 STATES)

EV CHARGING TAX ENACTED (6 STATES)

ADOPTED ANNUAL FEES (33 STATES)

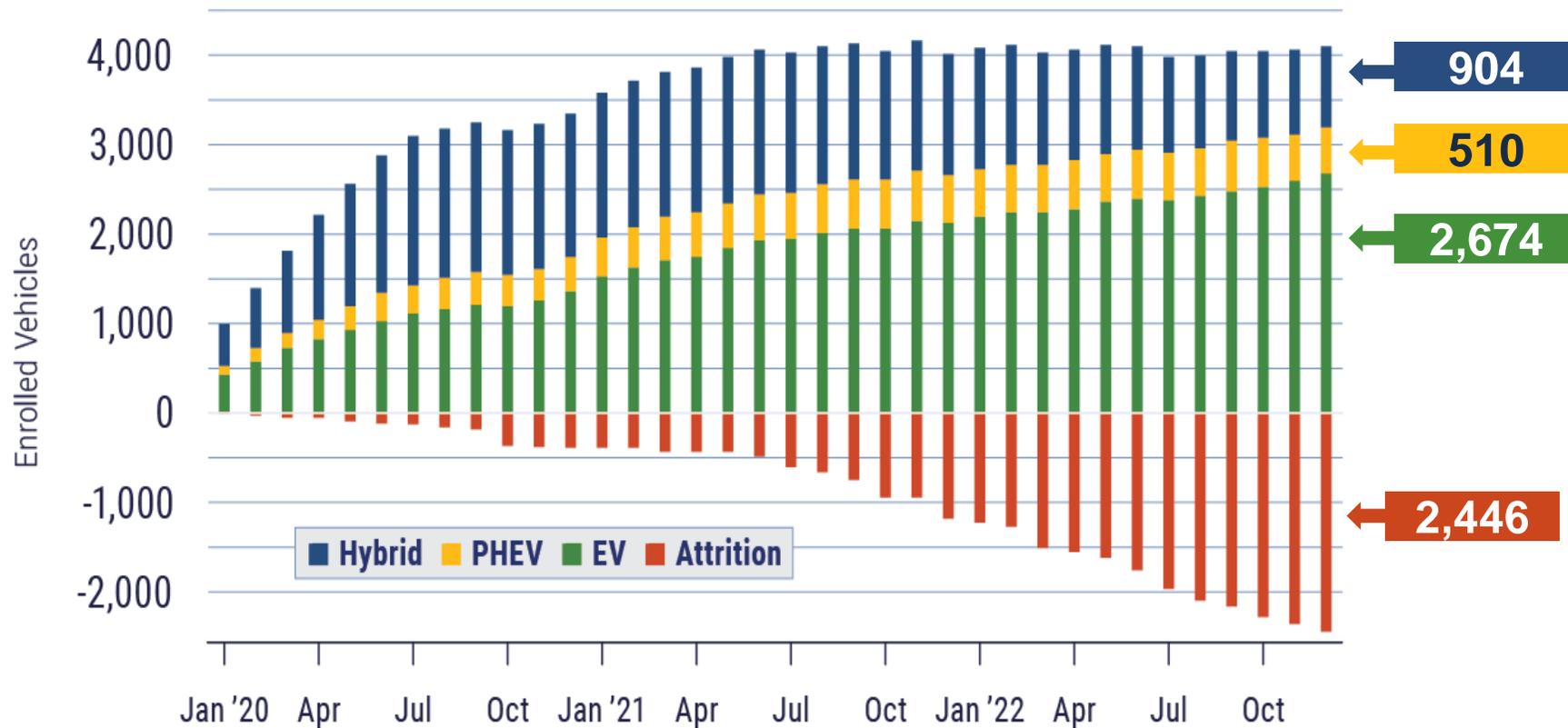
EV CHARGING TAX LEGISLATION INTRODUCED (7 STATES)

Per-mile RUC Leg. Enacted	US Range 0.06–1.90¢	US Avg 0.99¢	Utah 1.00¢
Annual Fees	US Range	US Avg	Utah
EVs	\$50–225	\$128	\$130.25
PHEVs	\$15–200	\$75	\$56.50
Hybrids	\$15–120	\$61	\$21.75
EV Charge Tax (per kWh) Leg. Enacted	US Range \$0.026–0.044	US Avg \$0.031	Utah* \$0.044

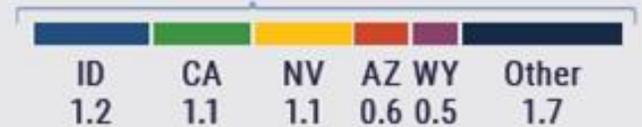
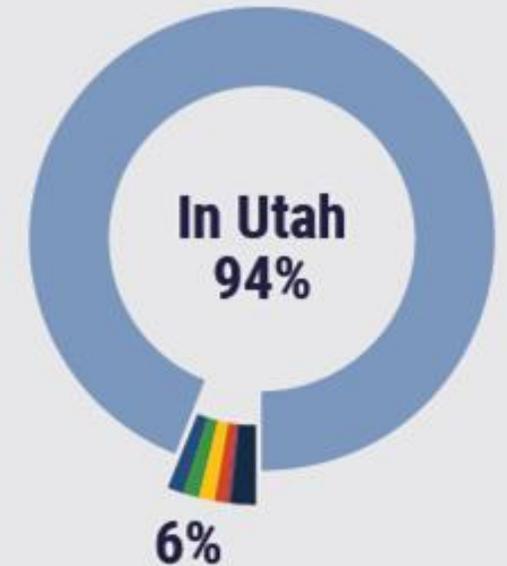
*Utah's tax is 12.5% of the retail cost; this value assumes retail cost = \$0.35/kWh

Note: Current as of May 11, 2023

RUC Program Enrollment



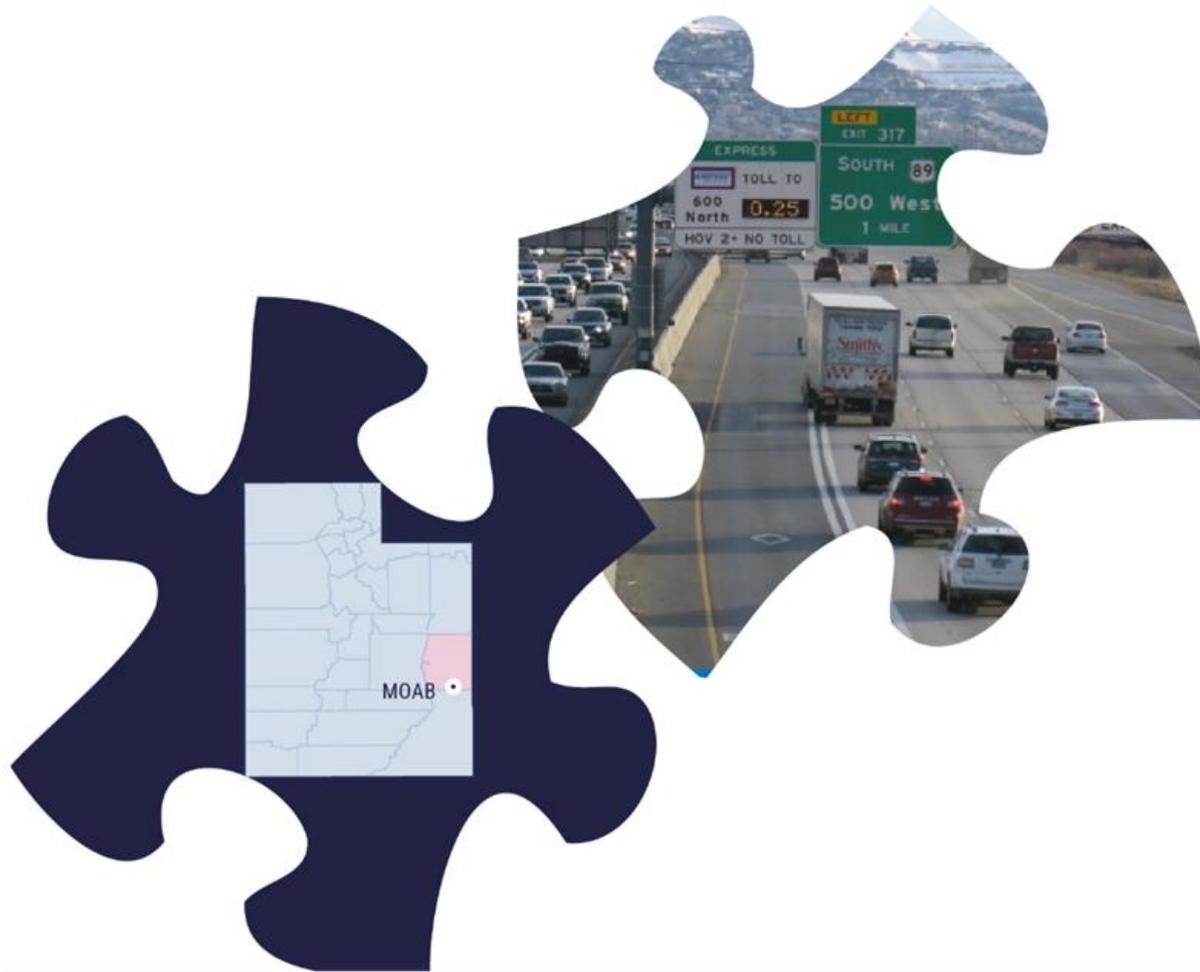
Miles Driven
49,358,409 (Jan 2020–Dec 2022)



Note: Through December 2022, 6,534 vehicles have enrolled in the program.

Current Grant Efforts in Utah

Local Overlay & Tolling Integration Pilot



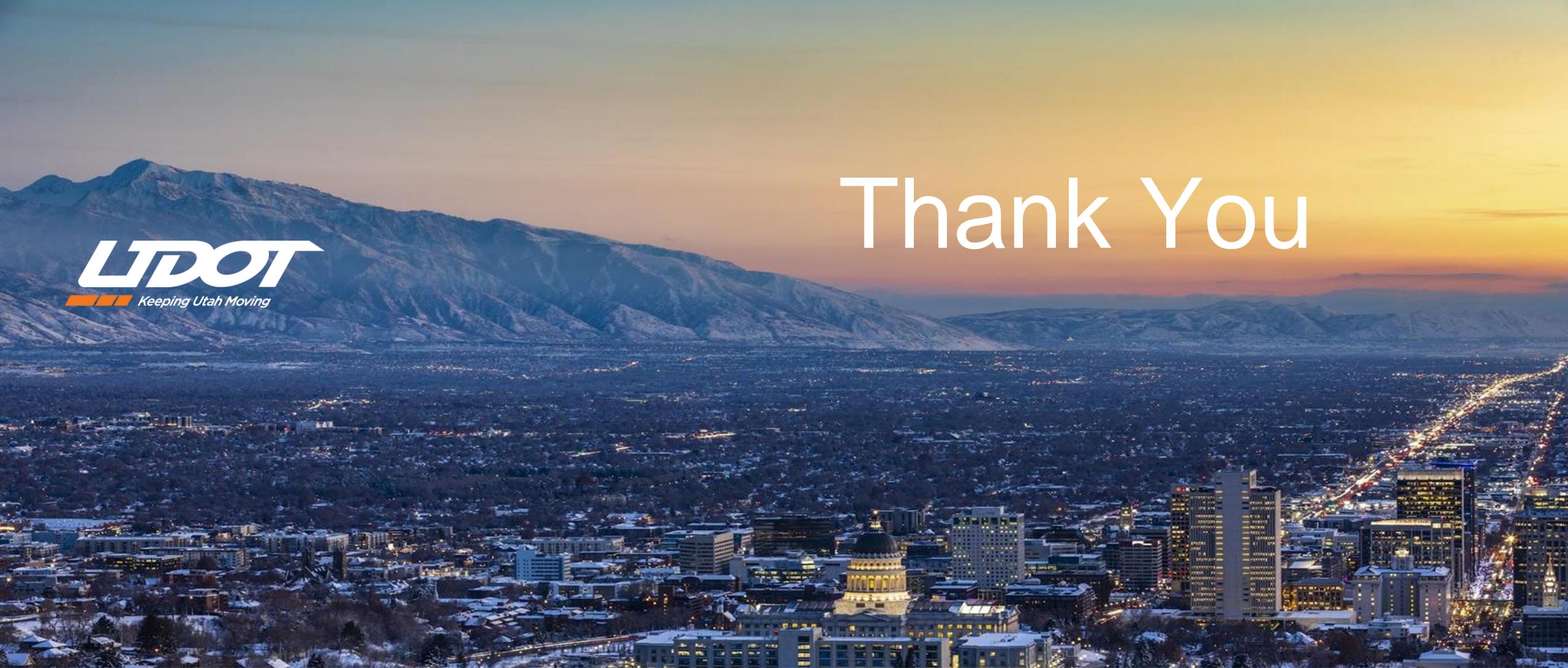
Customer Service Optimization Project



Next Steps: RFI & RFP

- Telematics
- Ping Rates
- Odometer Photo Capture via Text
- Lower Costs
- Release RFI in June
- Release RFP in July





Thank You

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