

WASHINGTON STATE ROAD USAGE CHARGE Pilot Project Overview

HIGH LEVEL OVERVIEW

- **Pilot project legislative direction**
- **Basic overview of live pilot**

THE ROAD USAGE CHARGE (RUC) DIRECTIVE

The Legislature gave the Transportation Commission the following direction in 2012:

- Identify a sustainable, long-term revenue source for Washington State's transportation system, and transition from the current gas tax
- Establish a stakeholder Steering Committee to guide the work
- Some hall mark priorities of the Steering Committee:
 - There must be consumer choice on how mileage information can be collected and paid
 - During any transition period from the gas tax to RUC, drivers would pay one or the other, but never both



SNAPSHOT: WASHINGTON'S RUC PILOT PROJECT

Federal FAST Act funding: Surface Transportation Funding Alternatives Program Grants

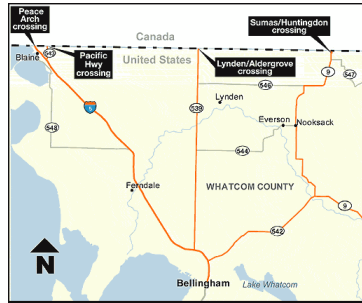
- **Stage 1** - Final Design & Set-up, \$3.874 M – **complete**
- **Stage 2** - 12-month live pilot – **underway** – and Stage 3, evaluation and reporting: \$4.6 M

Summary of Washington's RUC Pilot project:

- **Year-long**, statewide test of Washington-designed RUC system for up to **2,000** volunteer test vehicles
- **Partners:** Oregon Department of Transportation, City of Surrey, BC, Idaho Transportation Department, Seattle Electric Vehicle Association and Plug-in America
- **Mileage Reporting Choices:** Mileage Permit, Odometer Charge, Automated Mileage Meter (2 types), and Smartphone

SIX UNIQUE FEATURES OF THE WA RUC PILOT

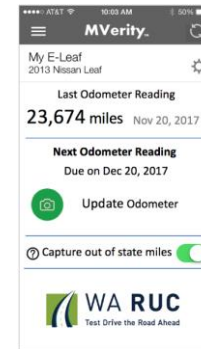
1 RUC across borders: testing how RUC will be applied and function between states and Canada



2 Smartphone Innovation

Challenge:

a new app to deduct out-of-state miles for RUC



3 Private business partners: private vehicle licensing offices to help administer odometer readings



4 Financial interoperability test: how two states with their own RUC rates reconcile tax collections for miles driven within their jurisdictions



5 Use of consumer products for RUC operations: using an existing consumer product (Automatic™) for RUC mileage reporting



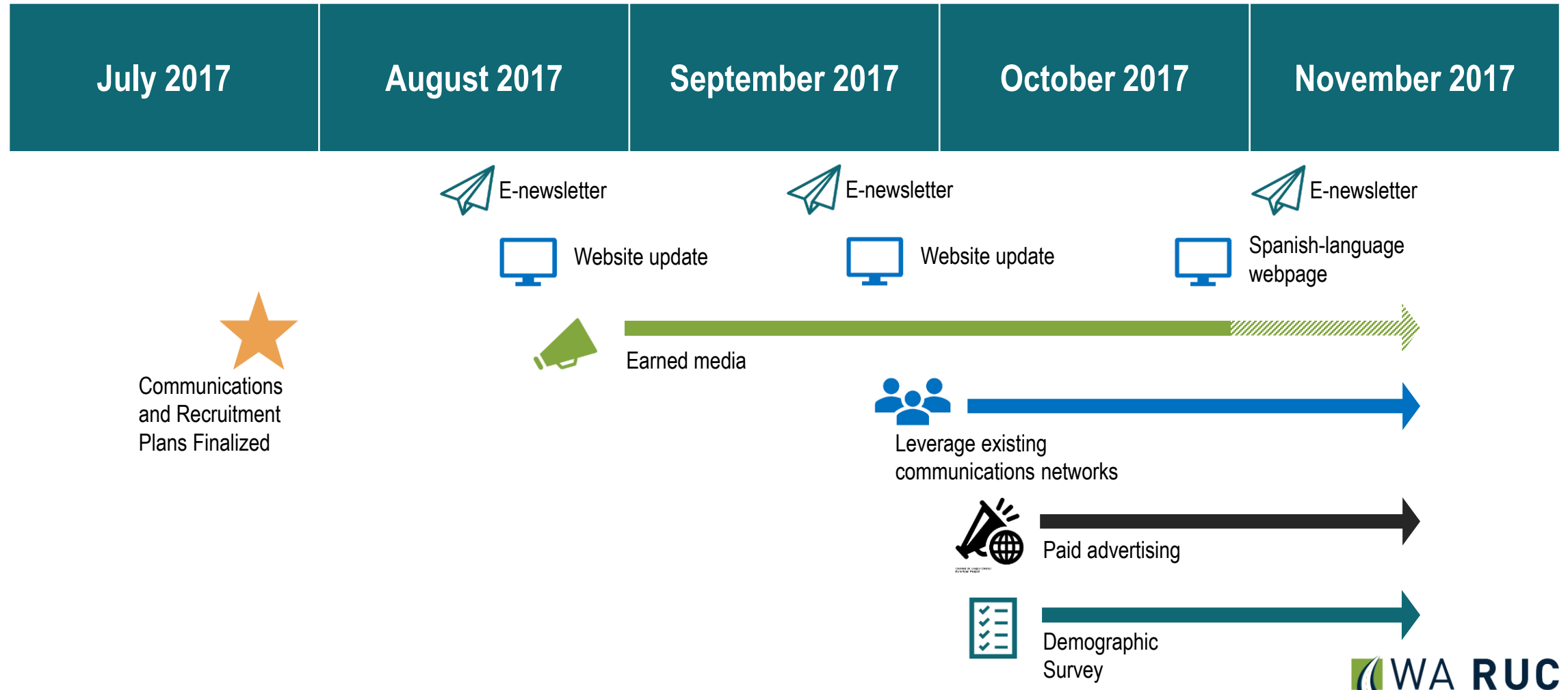
6 Electric vehicle drivers: feedback whether drivers prefer RUC over other road funding options (EV fees)



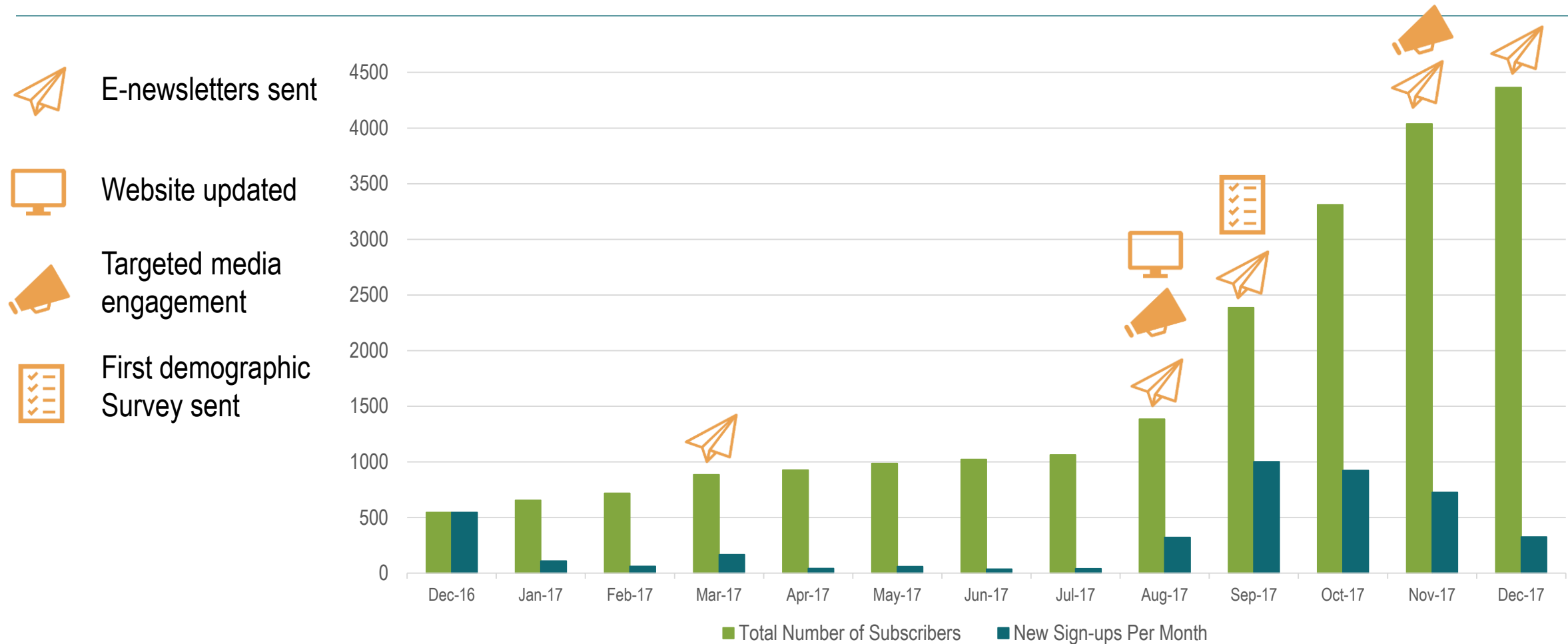
PILOT PARTICIPANTS

- **Recruiting and inviting volunteers for the pilot test**
- **Representing the geographic and demographic diversity of Washington**

COMMUNICATIONS AND RECRUITMENT ACTIVITIES




INTEREST LIST GROWTH – KEY DRIVER FOR PARTICIPANT INTEREST POOL



ADVERTISING – SOCIAL MEDIA

Washington State Transportation Commission
September 29 at 9:17am · 🌐

The gas tax pays for road, bridge and ferry repairs. But what if we paid by the mile, instead of by the gallons of gas we buy?
Help us test a road usage charge – sign up today!



Join the Pilot Project
Test drive the road ahead.
WWW.WAROADUSAGECHARGE.ORG [Sign Up](#)


👍 Like 💬 Comment ➦ Share

👍 🙌 🗣️ 31 Chronological ▾

11 Shares 64 Comments

Washington State Transportation Commission
October 23 at 8:07pm · 🌐

The gas tax pays for road and bridge repairs. But what if we paid by the mile, instead of by the gallons of gas we buy?
Help us test a road usage charge – sign up today!



Join the Pilot Project
Test drive the road ahead.
WAROADUSAGECHARGE.ORG [Sign Up](#)

2.5K Views

👍 Like 💬 Comment ➦ Share

Washington State Transportation Commission
November 1 at 2:07pm · 🌐

El impuesto de la gasolina se usa para financiar nuestras carreteras, puentes y sistemas de transbordadores. ¿Pero qué pasaría si pagaríamos por las millas que conducimos, en vez de pagar por los galones de gasolina que compramos?
Ayúdenos a probar el cobro por el uso de las carreteras. ¡Regístrese hoy!
[See Translation](#)



Participe en el proyecto piloto
Pruebe la carretera adelante.
WWW.WAROADUSAGECHARGE.ORG/REGISTRATE [Sign Up](#)

👍 Like 💬 Comment ➦ Share

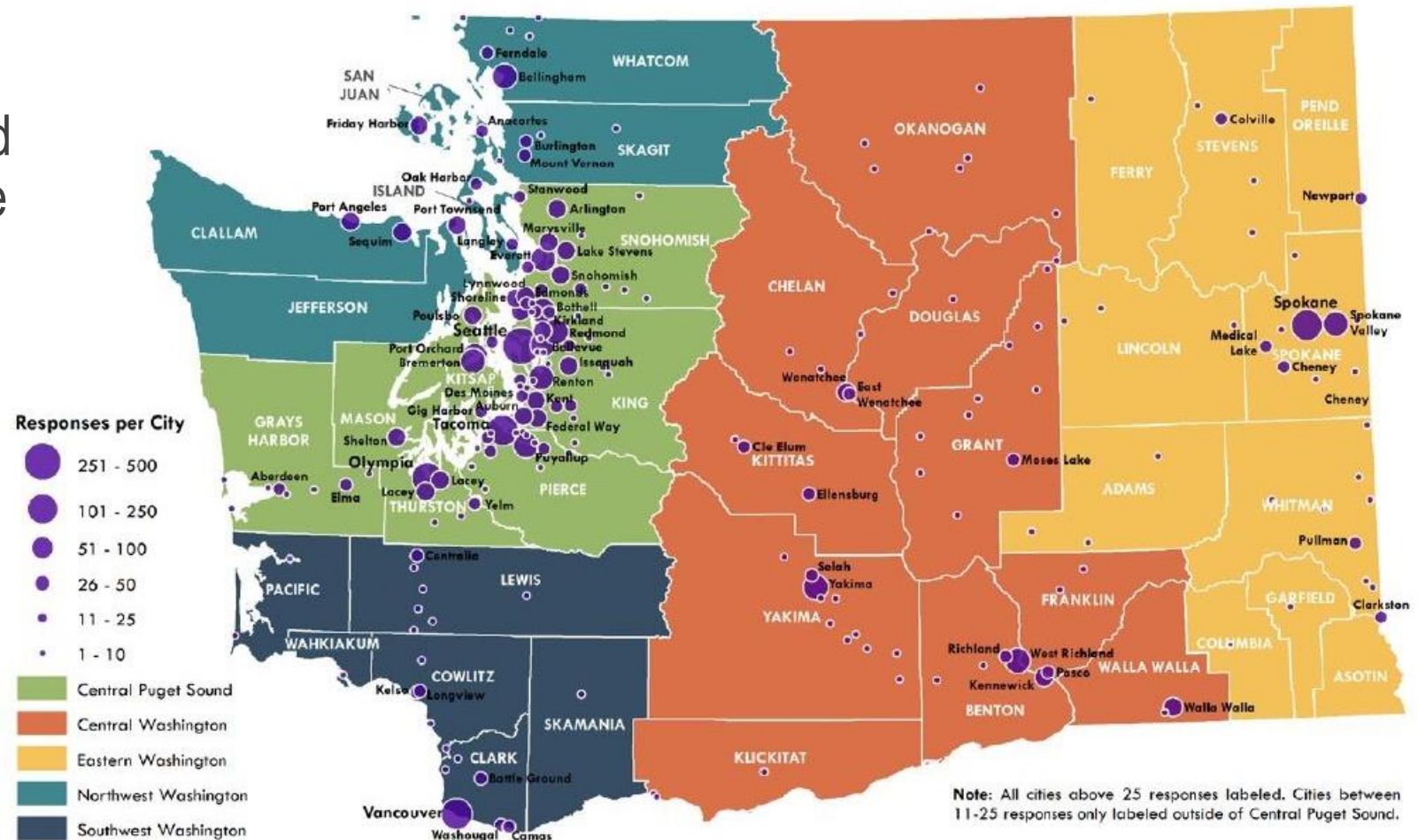
LEVERAGING EXISTING COMMUNICATIONS NETWORKS

- Reaching out to targeted, statewide organizations to help share information about the WA RUC Pilot Project and drive interest list sign-ups
- Provide content to be shared, including newsletter text, social media content, website content, sample blog posts and more.



NEARLY 5,000 INTERESTED DRIVERS

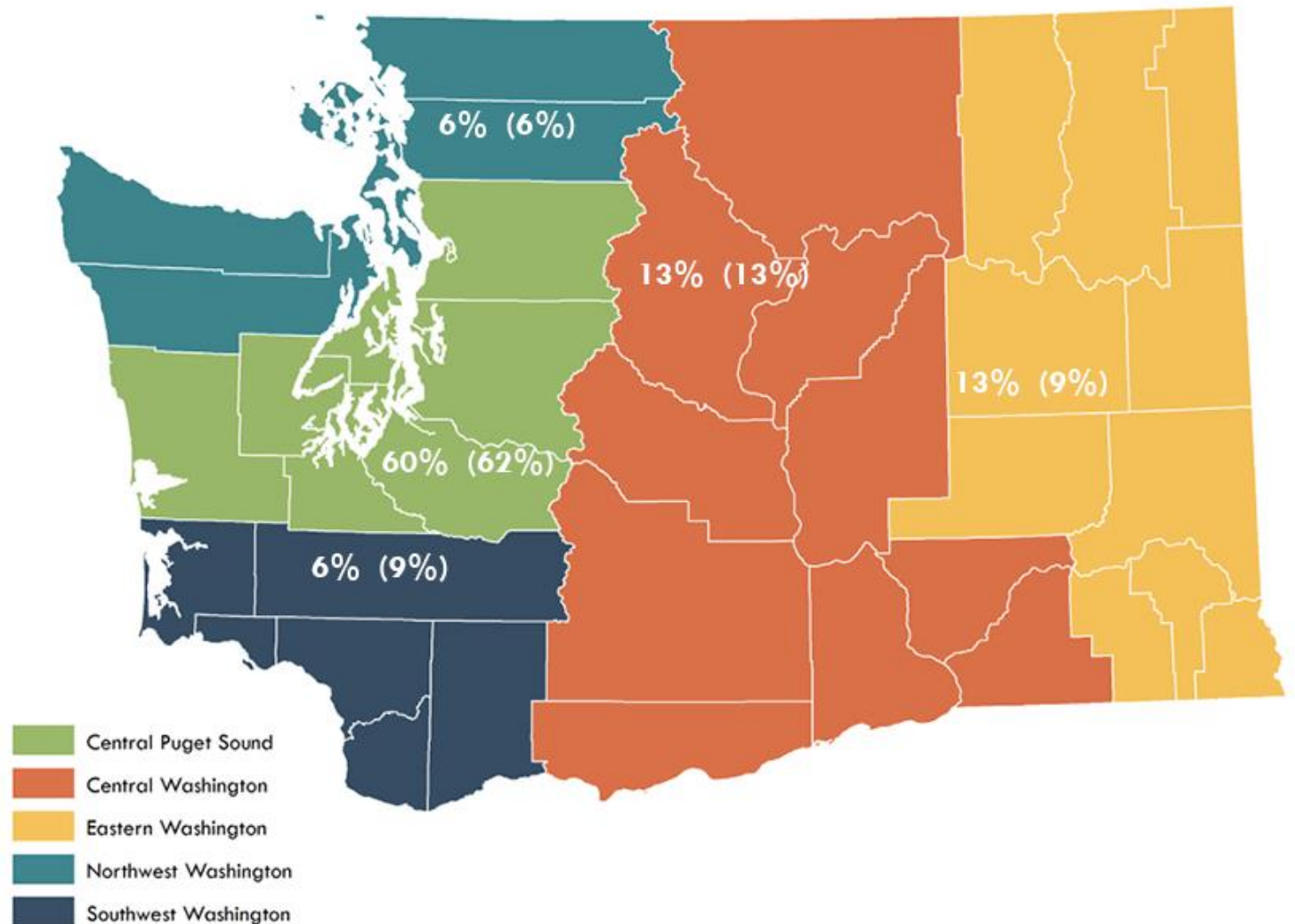
Nearly 5,000 drivers from across the state expressed interest in being part of the final pool of 2,000 participants



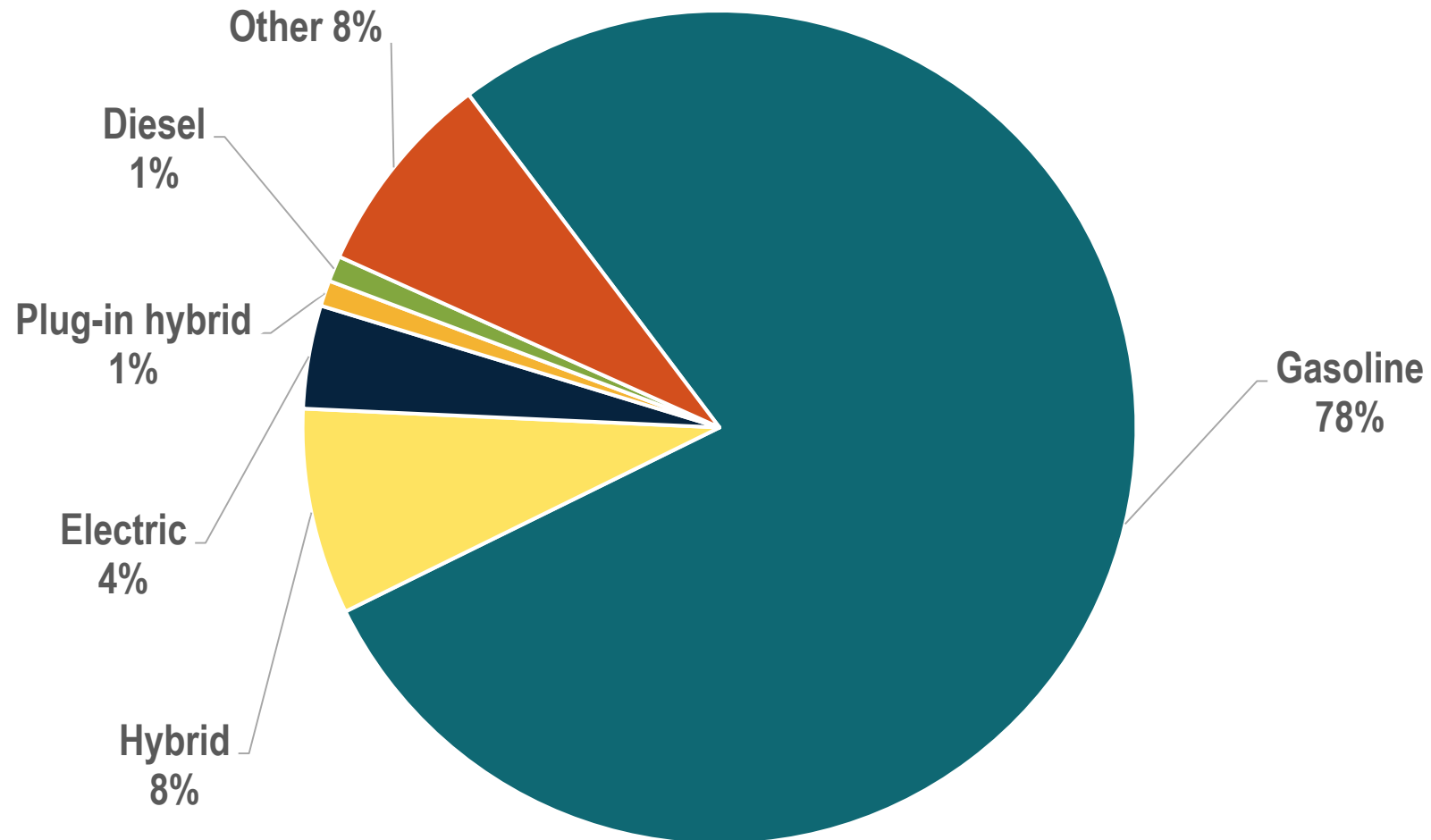
Data as of December 20, 2017

PARTICIPANT POOL - GEOGRAPHIC DISTRIBUTION

- 2,000 drivers from across the state are now enrolled and participating
- These 2,000 participants reflect our state's geographic distribution



PARTICIPANT POOL – BY VEHICLE TYPE



PARTICIPANT POOL – BY GENDER

Identified Gender			
	% of WA Population	% of WA RUC Participants	Difference
Male	50%	49%	-1%
Female	50%	49%	-1%
Prefer not to answer		1%	
Prefer to self-describe		0%	
Unknown		1%	

Source: American Community Survey, 2012-16 5-year estimates

PARTICIPANT POOL – BY RACE OR ETHNICITY

Identified Race or Ethnicity			
	% of WA Population	% of WA RUC Participants*	Difference
African-American	3%	2%	-1%
American Indian or Alaska Native	1%	3%	2%
Asian (excl. Indian)	7%	5%	-2%
Caucasian or white	71%	85%	14%
Hispanic	12%	4%	-8%
Indian subcontinent	1%	1%	0%
Native Hawaiian or other Pacific Islander	1%	1%	0%
Other/None of the above		2%	
Prefer not to answer		3%	

Source: American Community Survey, 2012-16 5-year estimates

*As participants could select more than one option, the total equals more than 100%

PARTICIPANT POOL – BY HOUSEHOLD INCOME

Household Income				
	% of WA Population	Household Income*	% of WA RUC Participants	Difference
Less than \$25K	12%	Less than \$30K	7%	-5%
\$25K-50K	19%	\$30K-60K	20%	1%
\$50K-100K	34%	\$60K-120K	43%	9%
\$100K-200K	27%	\$120K-200K	17%	-10%
More than \$200K	8%	More than \$200K	6%	-2%
Prefer not to answer		Prefer not to answer	5%	-3%
		Unknown	1%	

Source: American Community Survey, 2012-16 5-year estimates

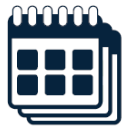
*Participant categories varied slightly from American Community Survey categories

MILEAGE REPORTING OPTIONS

- **Five methods of reporting mileage**
- **Two different RUC service providers**
- **Participants choose**

MILEAGE REPORTING OPTIONS

MILEAGE PERMIT



- Pre-select miles based on how much a participant expects to drive in 3 months
- Works with all vehicles
- Submit a mileage report using a mobile phone, or in person at select vehicle licensing offices
- Does not use navigational GPS

ODOMETER READING



- Submit photo of odometer monthly or quarterly using mobile phone or in person at select vehicle licensing offices
- Works with all vehicles
- Does not use navigational GPS

PLUG-IN SERVICE WITH GPS



- Plug-in device automatically reports mileage and deducts out of state miles
- Works with all vehicles 1996 or newer
- Smartphone may be required (depends on service provider)
- Navigational GPS is required

PLUG-IN DEVICE










- Plug-in device automatically reports mileage
- Works with all vehicles 1996 or newer
- No smartphone required
- Does not use navigational GPS

MILEMAPPER™ SMARTPHONE APP



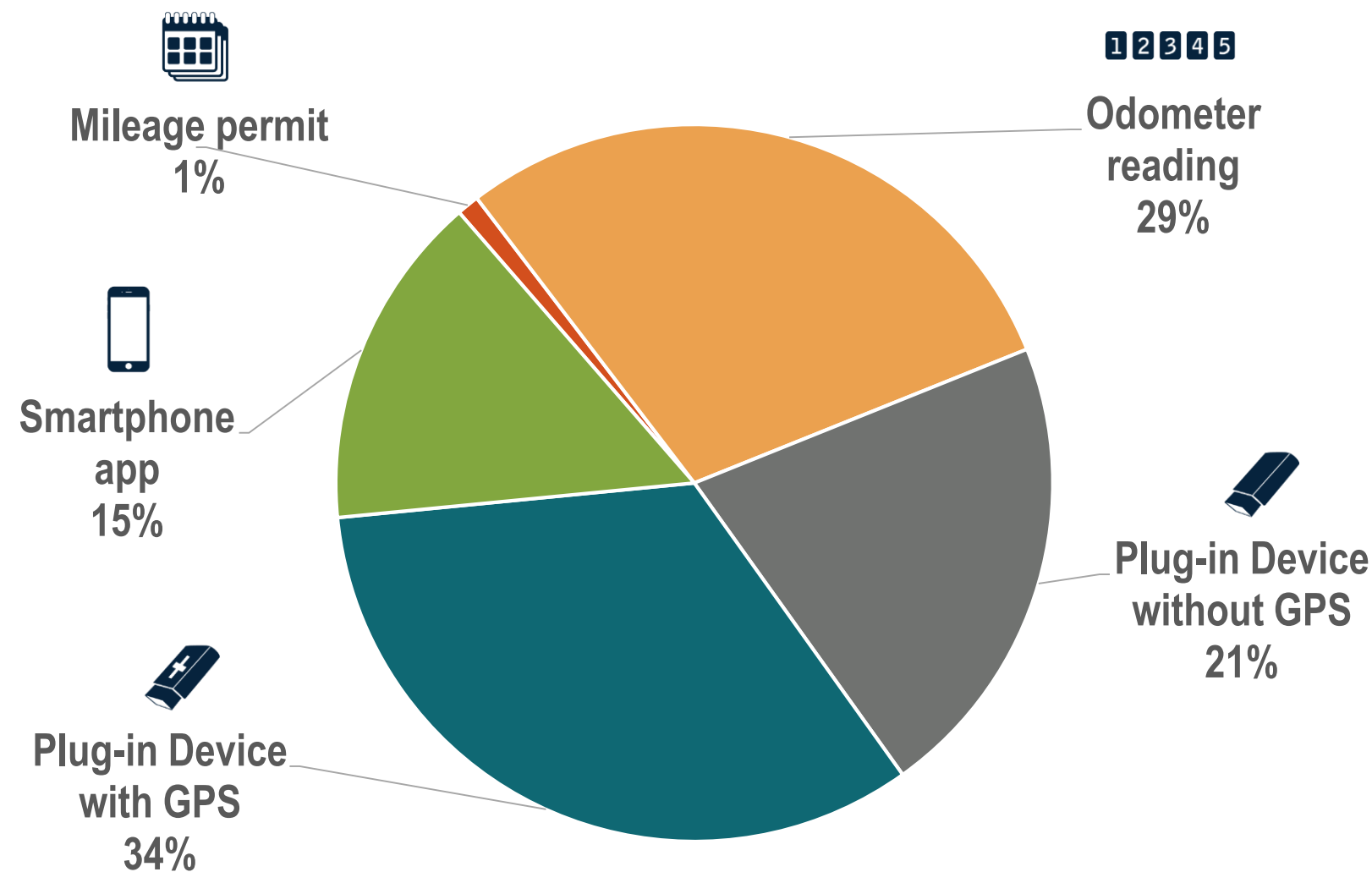
- Report miles monthly using the smartphone app
- Smartphone required (available for iPhone only)
- Navigational GPS can be turned on/off

CHOICE OF TWO SERVICE PROVIDERS

	 DRIVESYNC.	 emovis
 MILEAGE PERMIT	✓	✓
 ODOMETER READING	✓	✓
 PLUG-IN DEVICE WITH GPS	✓	✓
 PLUG-IN DEVICE WITHOUT GPS	✓	
 MILE MAPPER SMARTPHONE APP (IPHONE ONLY)	✓	

- Service providers are helping us test how private, third-party entities might work in a potential future road usage charge system
- Some service providers offer optional, value-added services to participants

PILOT PARTICIPANTS SELECT MILEAGE REPORTING OPTIONS



MULTI- JURISDICTIONAL RUC

- **Border states/ British Columbia involved**
- **Testing two aspects of interoperability and a HUB**

INTEROPERABILITY: DATA & FINANCIAL

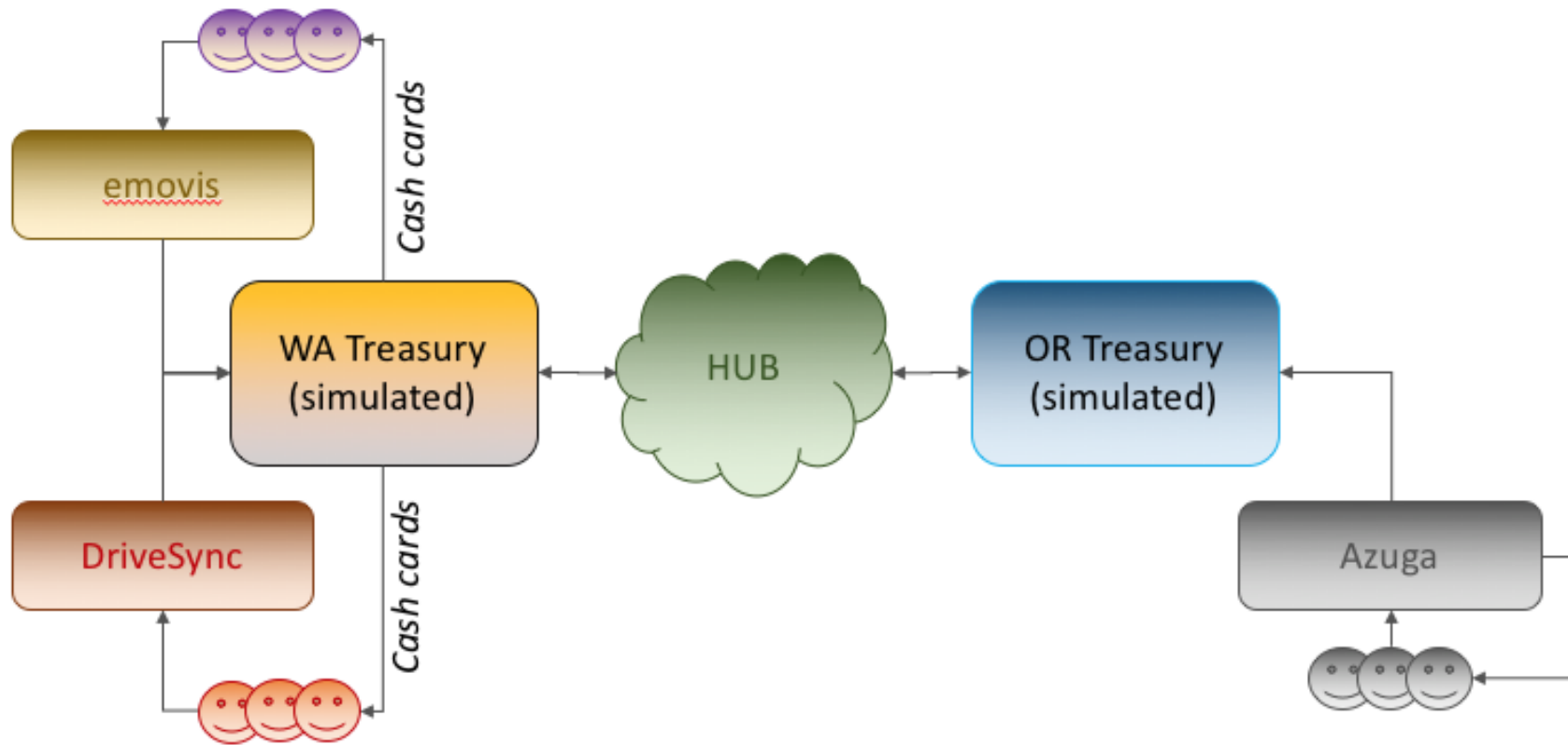
1. **Data interoperability: WA, OR, ID, BC**

- Develop a HUB which is a clearinghouse that calculates and reconciles charges owed to and from participating jurisdictions
- Compute number of miles driven and fuel consumed by all pilot participants using GPS devices in all participating states (OR, WA, ID, BC), and the corresponding funds that would be paid into or out of the HUB by each state in a real system.
- Only GPS device participants are included

2. **Financial (“real money”) interoperability: WA, OR**

- Collect money from select WA (~30) and OR (~70) drivers for miles driven in WA
- Reconcile funds collected through HUB based on mileage driven in each state

FLOW OF FUNDS FOR “REAL MONEY” INTEROPERABILITY TEST



NEXT STEPS

- **Upcoming milestones**

UPCOMING MILESTONES

August 2018 - February 2019:

- **August 1-15:** Open Enrollment (participants can change mileage reporting methods)
- **August 22:** WA RUC Steering Committee meeting
- **September:** Issue Participant Survey #2 (mid-pilot survey)
- **December 4:** WA RUC Steering Committee meeting
- **February 2019:** End of pilot test driving

March – December 2019

- **March:** Post-pilot Survey #3 issued
- **April – June:** Pilot data analysis
- **July – December:** Public outreach, media engagement on pilot results and next steps
- **December:** Issue final report of findings and recommendations, including transition strategy from gas tax to RUC

CONTACT INFORMATION

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Consultant support provided by:

