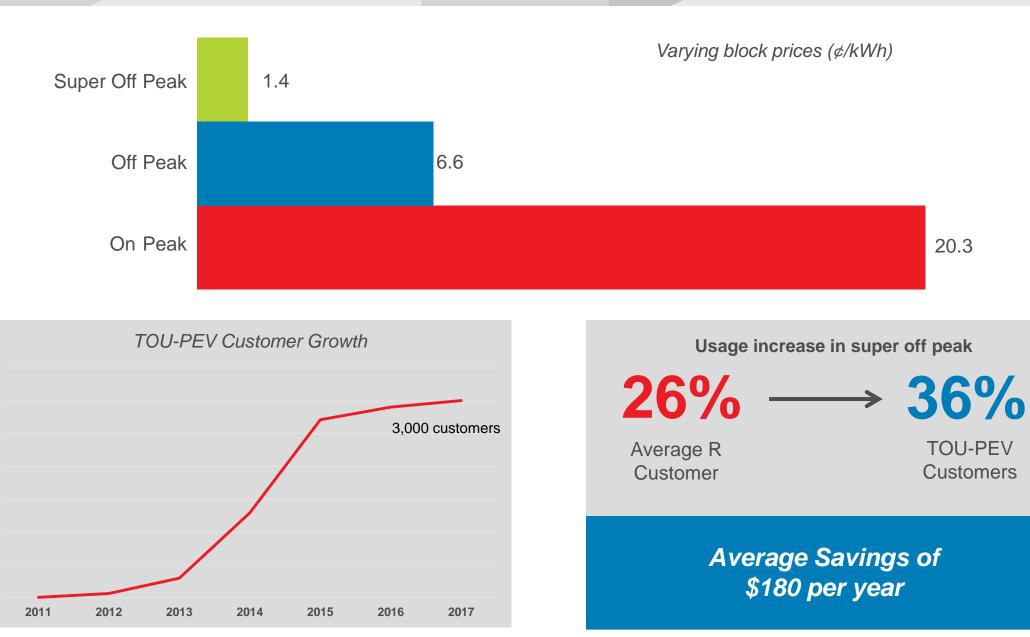


## Rate Design Subcommittee

## **Georgia Power's Plug-in Electric Vehicle Rate**





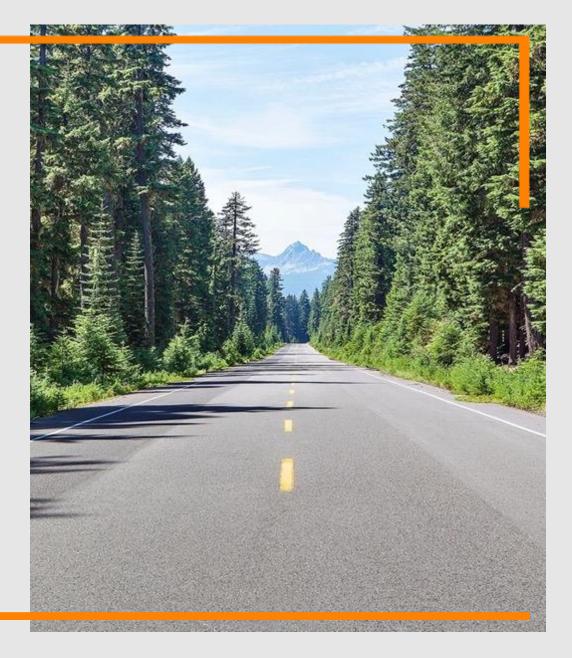


## Rate Design Subcommittee

## Transportation Electrification and NARUC

Jeanette Shaw, Director, Government Relations February 11, 2018





## Who we are:



Nonprofit (501c6 & 501c3)

Mission: Forth is transforming the way we get around. Through innovation, demonstration projects, advocacy and engagement, we are advancing electric, smart, autonomus and shared transportation in the Pacific Northwest and beyond.

Funded by grants, member companies, and Roadmap—our annual conference

Membership 120+ companies, utilities, local governments, other stakeholders

## Not Just Cars













www.shattorttock.came - 104/45500



## Industry Development

Monthly networking

Connect companies & resources

Roadmap Conference www.roadmapforth.org

## EV conference outgrows space, attendance doubles

June 20, 2017 by Kim Moore Published in Must Reads 1 comment



Record attendance at a long-running electric vehicle conference in Portland shows how the sector is maturing.

### **Consumer Engagement**



07.17.2017 | Forth







# Rice & Drives



## **Demonstration Projects**



## Organizations and Outreach Efforts



#### Legislative & Regulatory

Oregon passes electric-car purchase rebates \$2,500; new EV fees delayed to 2020



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Transportation Electrification Public Input Workshop August 3, 2016

#### Transportation Electrification Plan

MARCH 2017



## Current Mobility System Largely Broken

Underutilized. Cars parked 95% of time, average occupancy in US 1.08 = **1.35%** "Capacity Factor"

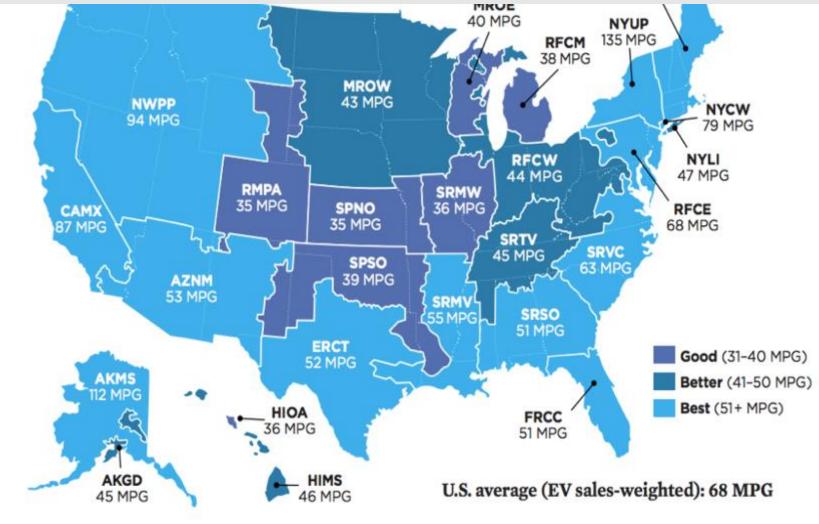
Expensive. Mobility is 2<sup>nd</sup> highest expense in US families – about \$9,500/year) and traffic costs economies billions.

Dirty. The primary source of air pollution and a major source of carbon pollution (more than power plants in US)

Inefficient. Only about 1% of energy consumed actually moves people

Dangerous. Car accidents kill 1.2 million annually worldwide

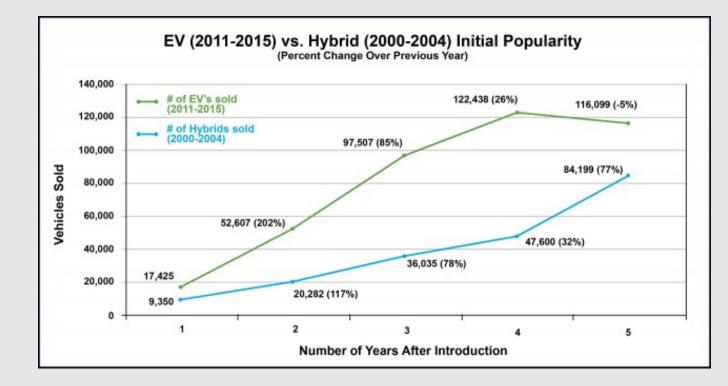
### Electric Vehicles are Key to Carbon Goals



U1.11.2017 | FUIUI

### Electric Cars Are Coming Fast – Example

Oregon ~16,000 Lane Electric Territory ~352



## What Might This Mean for Utilities?

Stronger Relationships with Customers – and New Questions

Increased Electricity Sales with "Good" and Flexible Load

**Downward Pressure on Rates** 

Changes to Peak Load

Possible Distribution Impacts – and Demand Response Opportunities



## Strategies to Explore

Develop a Plan

**Customer Outreach & Education** 

Support Key Markets

Encourage "smart" charging

Engage with Key Stakeholders

Engage with Forth – We Can Help!



## **Questions?**

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www.forthmobility.org @forthmobility



