



Why Plan for EV Readiness?

- Areas w/ EV planning had 90% greater utilization compared to ad hoc uncoordinated planning
- ↓ Range anxiety
- Regional momentum



All-inclusive charge point in Gilroy, CA; photos of wayfinding

ICCT White Paper: Assessment of leading electric vehicle promotion activities in United States cities and 2) Idaho National Labs Paper: How Does Utilization of Non-Residential EVSE Compare Between those Installed in Oregon in Planned versus Unplanned Locations?



Who is Involved?

- CA Energy Commission Grant
- Team: TRPA, Truckee-Donner PUD, and consultants (ICF)
- Tahoe-Truckee Council
- Stakeholders, Public





Purpose of Plan

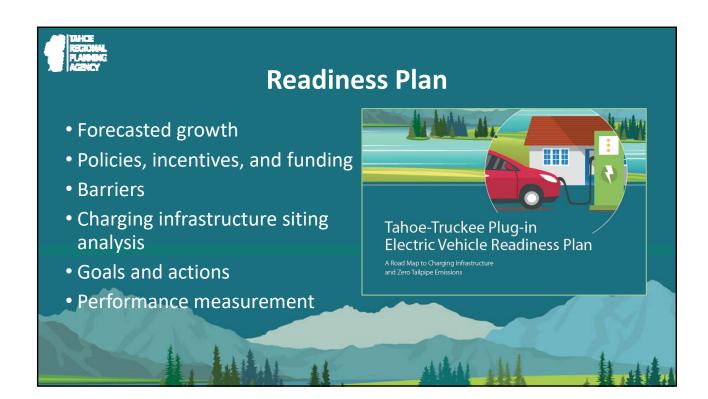
Transportation Vision: Encourage travel by bus, bike, foot, or PEVs over conventional vehicles

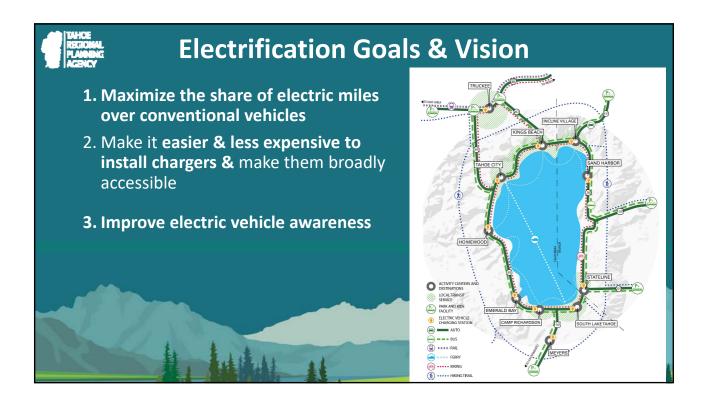
Lays out the path to make the Tahoe-Truckee Region "PEV ready"

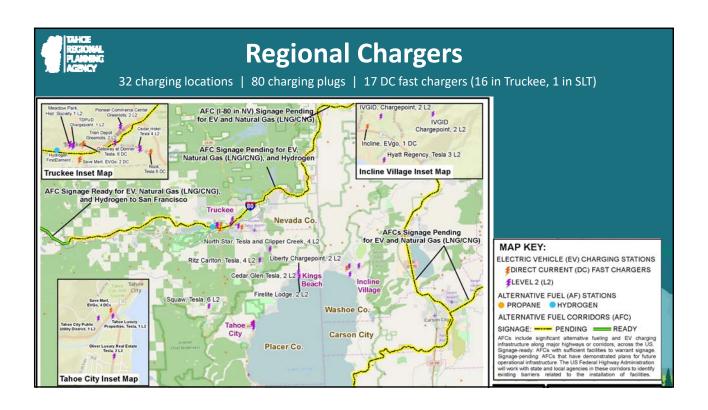
- Snapshot of current conditions
- Identify barriers to increase EV use & improve access to chargers

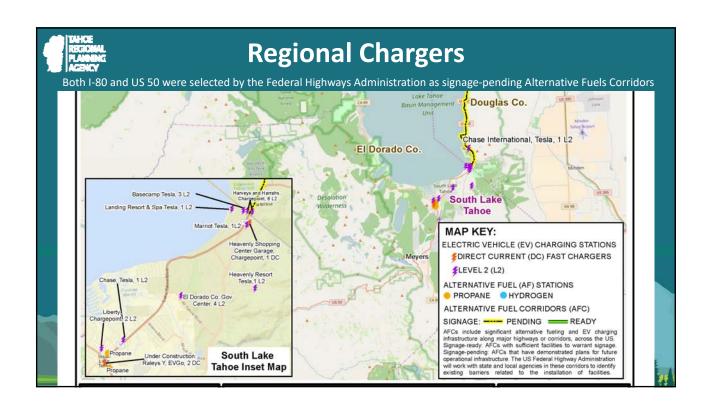
Develop partnerships & identify actions to unlock the long-term potential of transportation electrification as a sustainability initiative

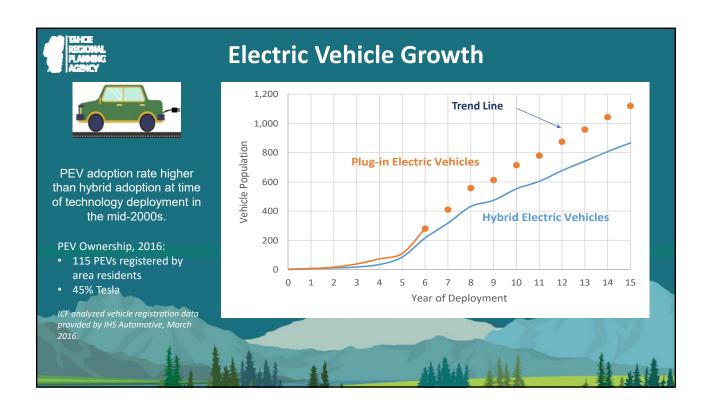


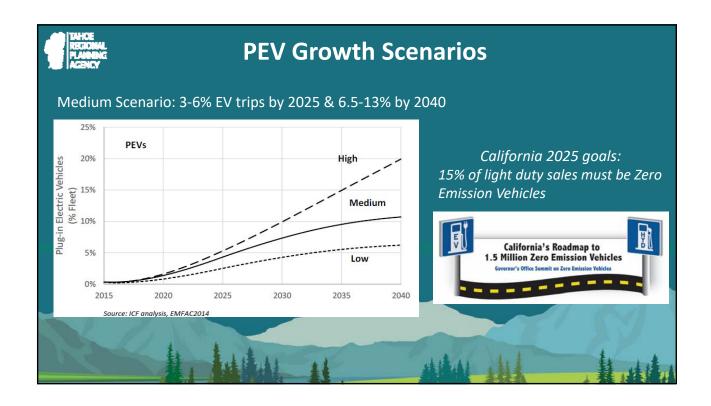




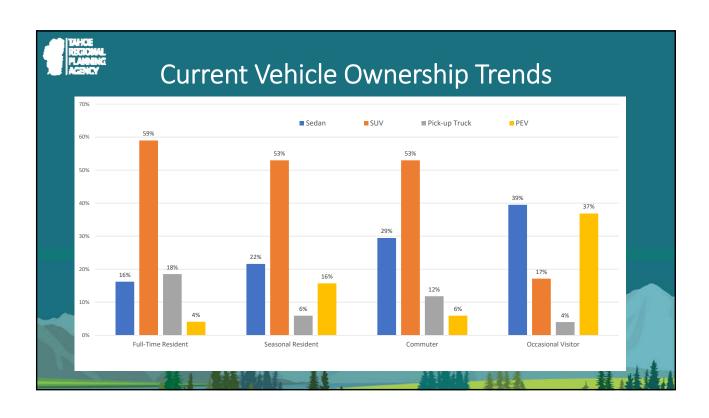












	Vehicle Option Cost Comparison				
	Vehicle Make & Model	Electric Range	Estimated Cost (Base)	Other Costs	
BEV	Tesla Model S, X, and 3 (2017)	200-270 miles	Model S - \$70,000 Model X - \$80,000 Model 3 - \$35,000	Home charger costs \$600 to \$3,000 (not including rebate)	
BEV	Chevrolet Bolt (2017)	200 miles	Chevrolet Bolt, \$38,000		
BEV	Nissan Leaf, Kia Soul, Mercedes Benz B-Class, Fiat 500e	84-107 miles	2016 Nissan Leaf - \$29,860 2016 Kia Soul EV - \$31,950 2016 Mercedes-Benz B250e - \$42,375 2016 Fiat 500e - \$31,800		
BEV	BMW i3, Chevy Spark, VW eGolf, Ford Focus, Honda Fit, Mitsubishi iMiev	62-83 miles	2016 Chevy Spark - \$25,995 2016 Volkswagen e-Golf - \$29,815 2016 Mitsubishi i-MiEV - \$23,845		
PHEV	Chevy Volt	53 miles	2016 Chevrolet Volt - \$33,995	Fuel costs if go over electric range, home charger costs same as above	
PHEV	Cadillac ELR, Audi A3e, Hyundai Sonata	27-37 miles	2016 Cadillac ELR - \$65,000 2016 Audi A3 Sportback e-tron - \$37,900 2016 Hyundai Sonata - \$35,435		
PHEV	Honda Accord, BMW X5, Porsche, Volvo	13-17 miles	2016 Porsche Panamera S - \$94,250 2016 Volvo XC90 T8 - \$69,095		
PHEV	Ford C-Max Energi, Fusion, Mercedes C350	20 miles	2015 Ford C-MAX Energi - \$32,645 2016 Ford Fusion Energi SE- \$34,775		
PHEV	Toyota Prius Plug-in Hybrid	11-14 miles	Toyota Prius PHEV- \$30,800		



