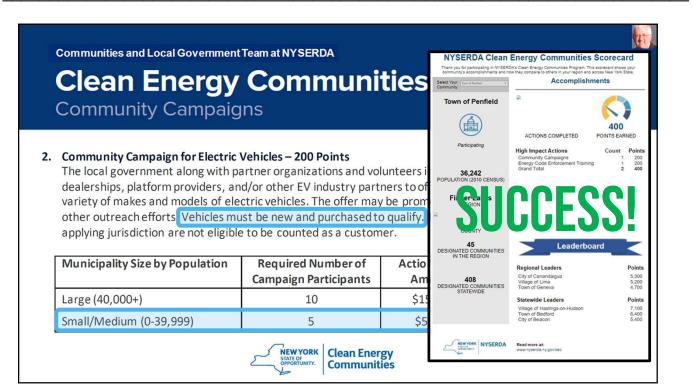


ANSWER CHOICES 🗸						
 Makes & models of EVs on the market right now. 	100.00%	7				
 Prices of EVs as compared with gasoline powered vehicles. 	85.71%	6				
 Rebates & tax credits available right now to reduce the price of EVs. 						
Advantages and disadvantages of EVs over gasoline powered vehicles.						
 Costs of maintenance and insurance as compared with gasoline powered vehicles. 						
 Costs to charge EVs on a regular basis. 						
 Costs of installing home charging equipment (Level II chargers). 						
 Taking long trips with EVs - charging them along the way. 						
 Personal experiences with EVs as told by Penfield residents who currently own them. 						
 Seeing some EVs "up close and personal" during the course and being able to ask questions of the owners. 						
 How EVs perform at different times of the year, especially during winter. 	85.71%	6				
▼ The differences between Plug-In Hybrid (PHEV) and 100% Battery Electric (BEV) EVs.	85.71%	6				
Other (please specify) Other: Battery replacement: How long do they last and what do they cost? Responses	14.29%	1				



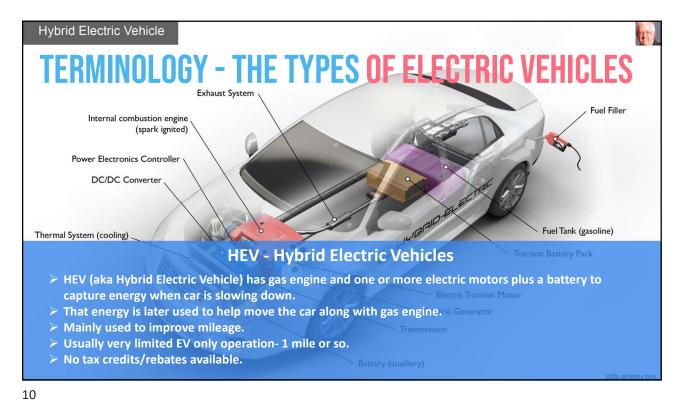
Electric Cars 101-Your Guide to EVs-Session I

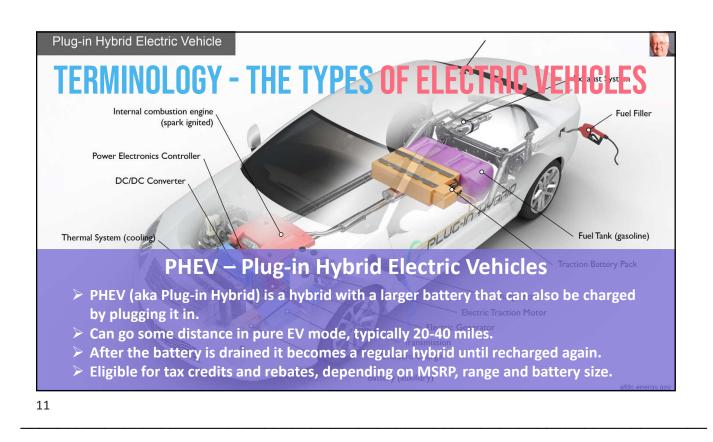


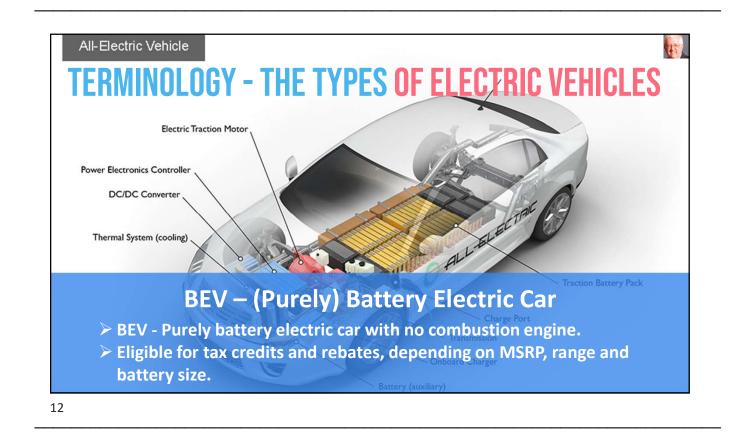








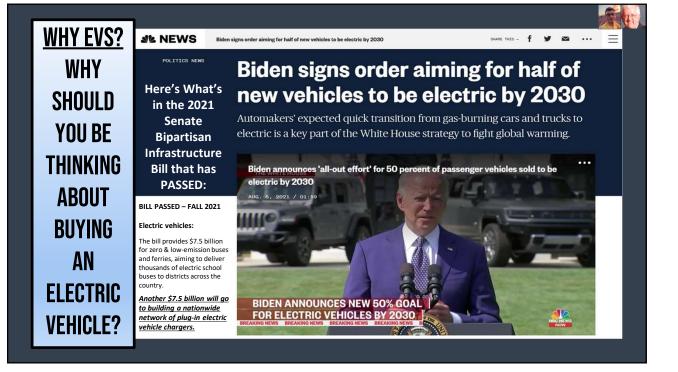


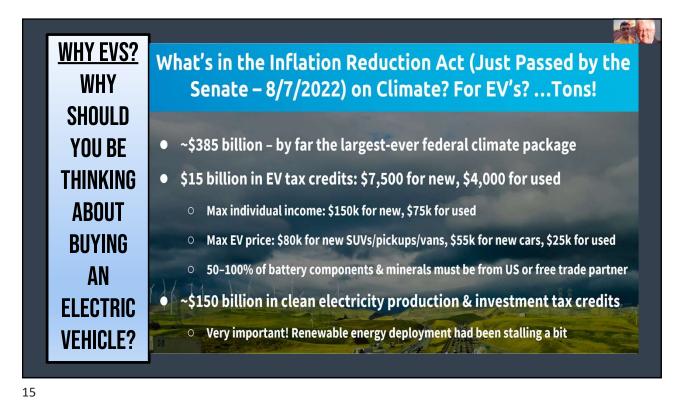


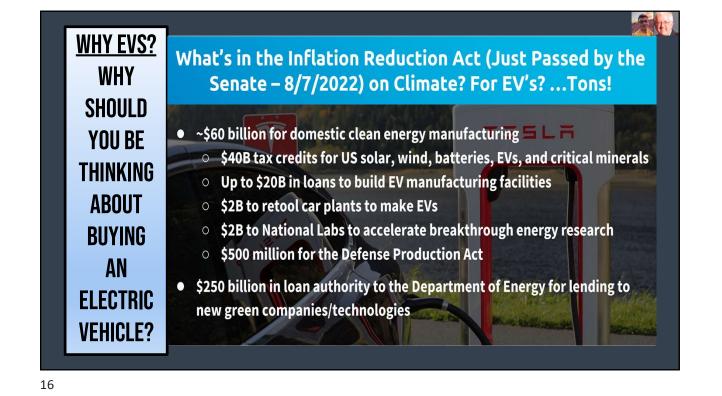
Electric Cars 101-Your Guide to EVs-Session I



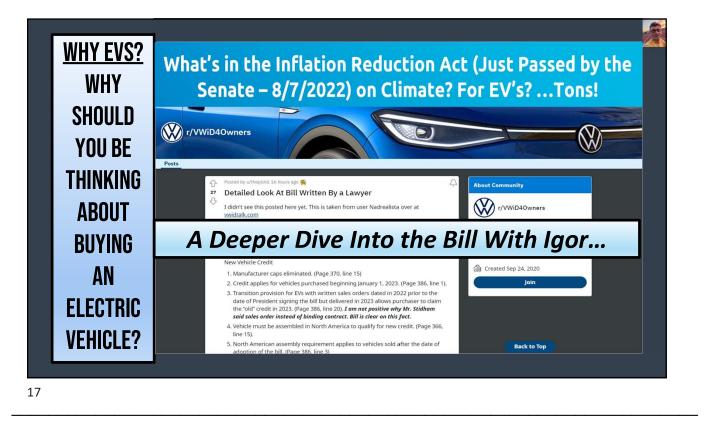
13







Presented by Color Penfield Green



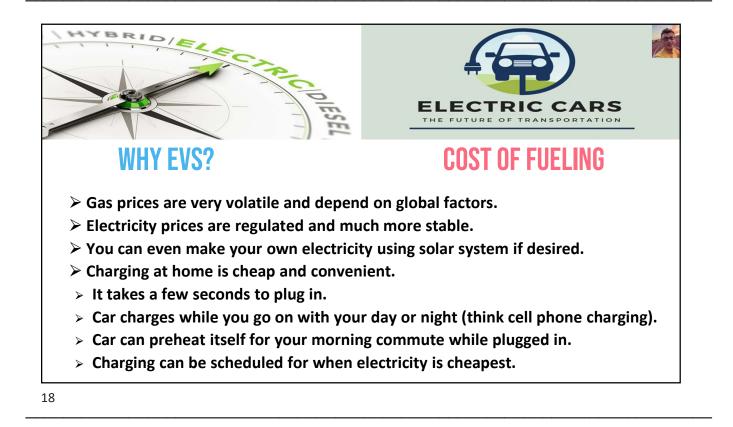
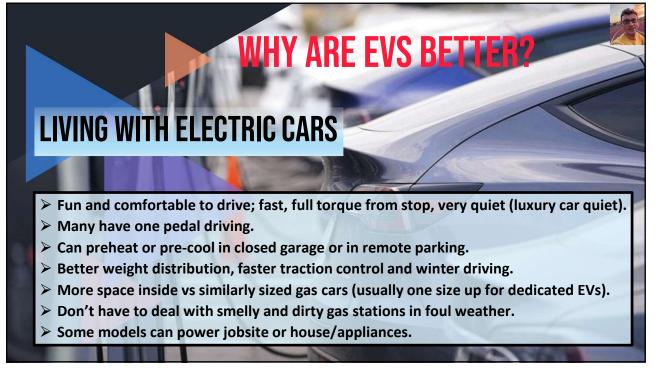
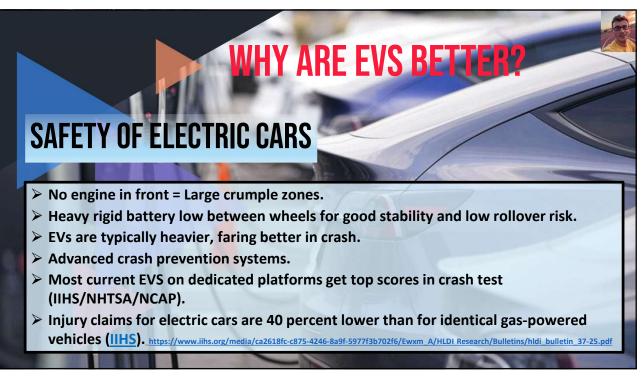


Table 2.1. Estimate	ed Per-Mile Repair	r and Maintenance	e Costs by Power	ELI THE F		CARS
Powertrain Type	0-50K Miles	50K-100K Miles	100K-200K Miles	Lifetime Average	WHY EVS? COST OF Ownership	
BEV	\$0.012	\$0.028	\$0.043 ⁷	\$0.031		
PHEV	\$0.021	\$0.031	\$0.033 ⁵	\$0.030		
ICE	\$0.028	\$0.060	\$0.079	\$0.061		
, and the second se			Table 2.2. Lifetim	e Maintenance Costs	by Powertrain	
			Powertrain Type	Lifetime Maintenance and Repair Cost		Lifetime Savings vs. ICE
			ICE			
			BEV		\$4,600	\$4,600
			PHEV		\$4,600	\$4,600

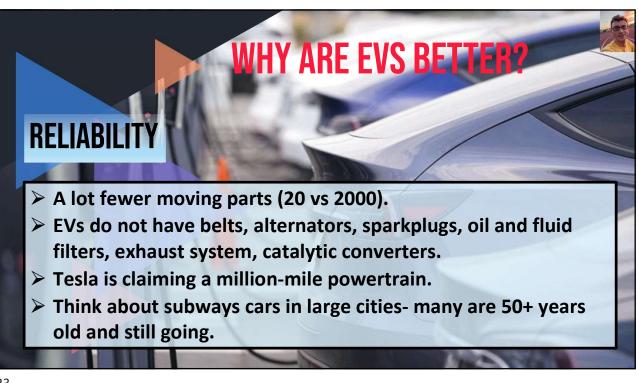




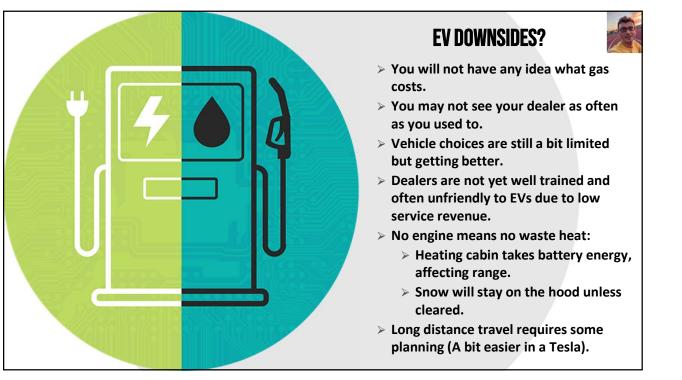
Electric Cars 101-Your Guide to EVs-Session I



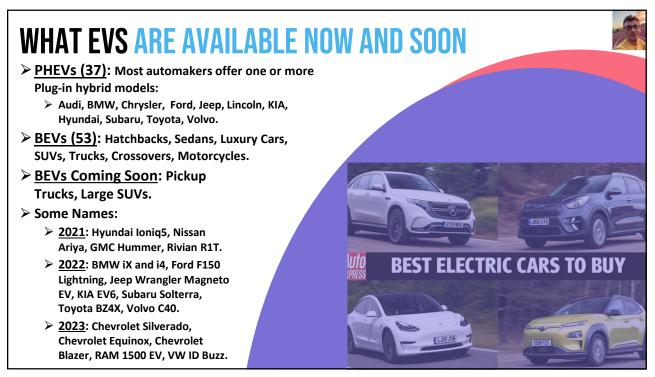


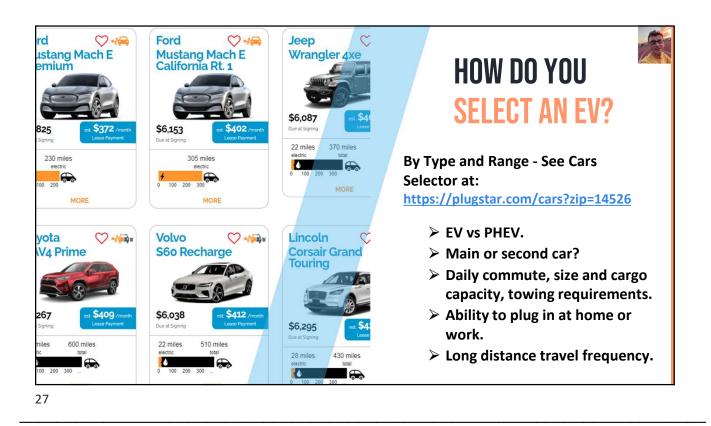


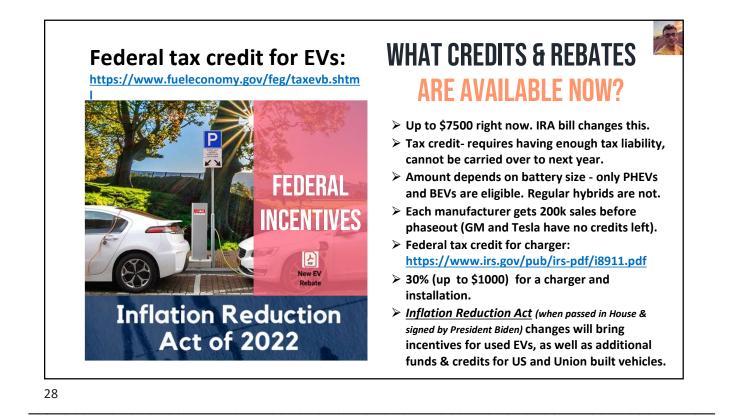


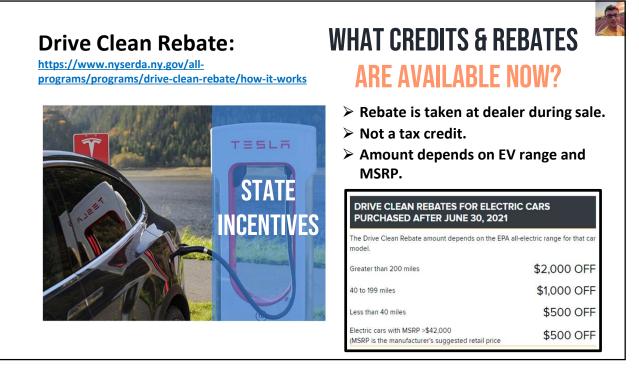


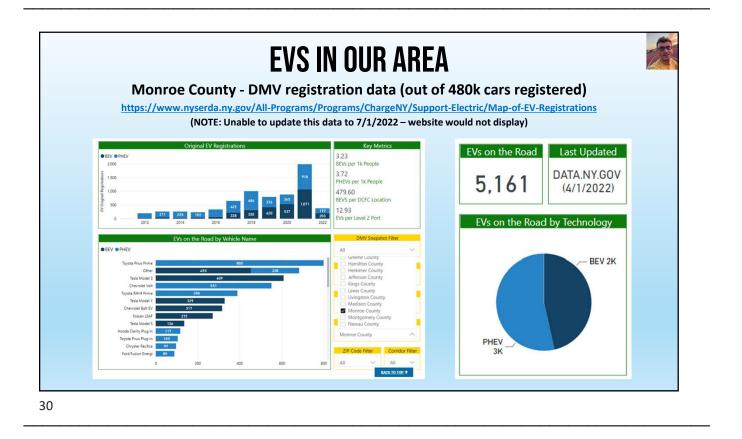


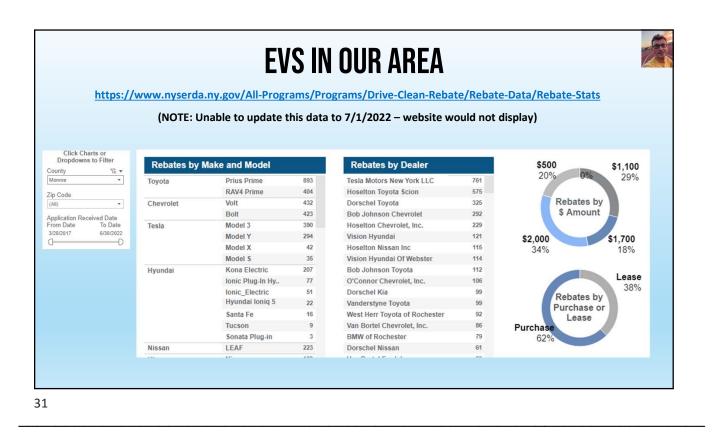


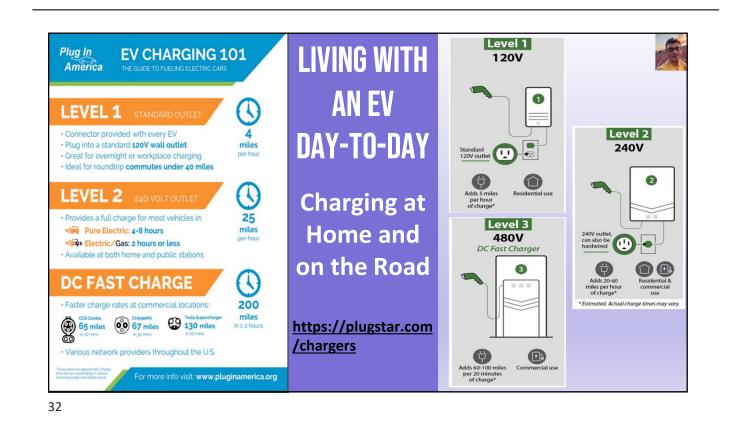




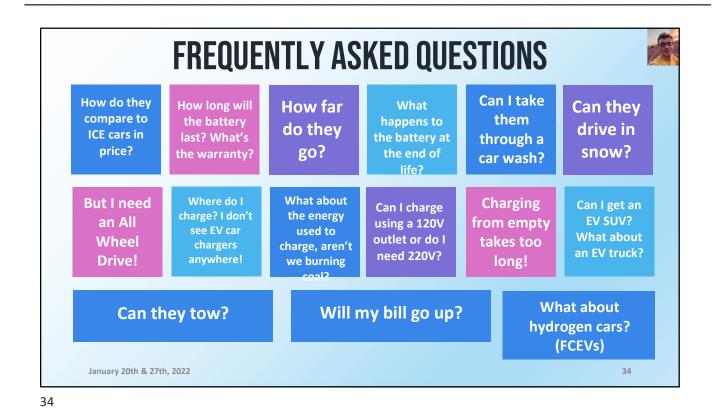






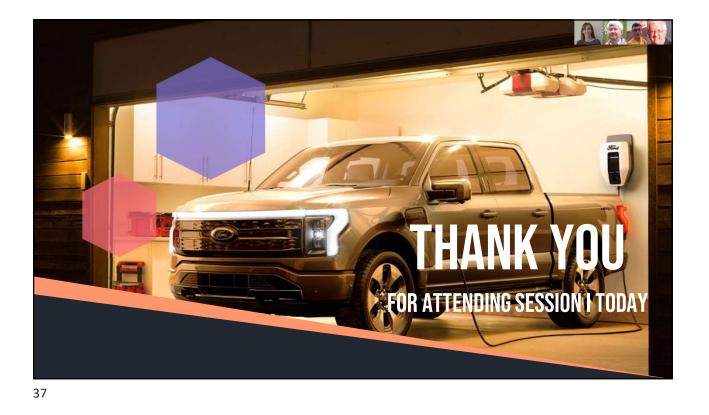




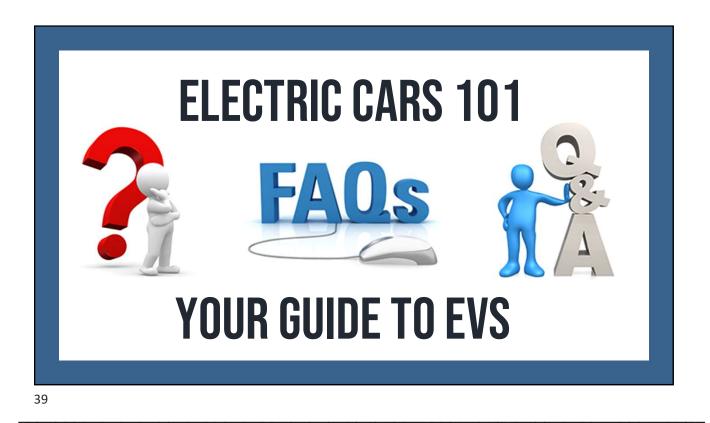


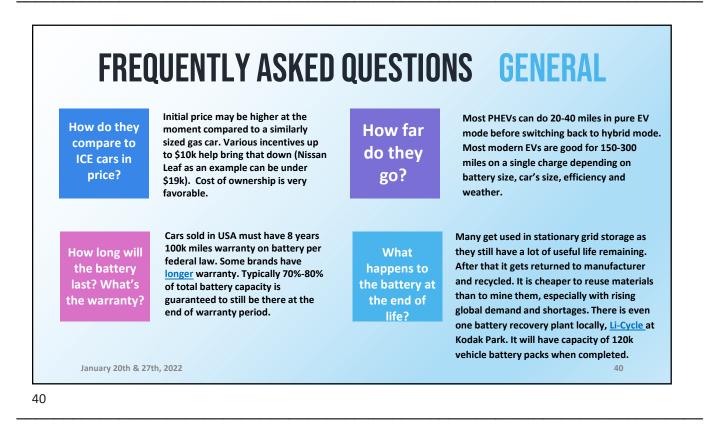


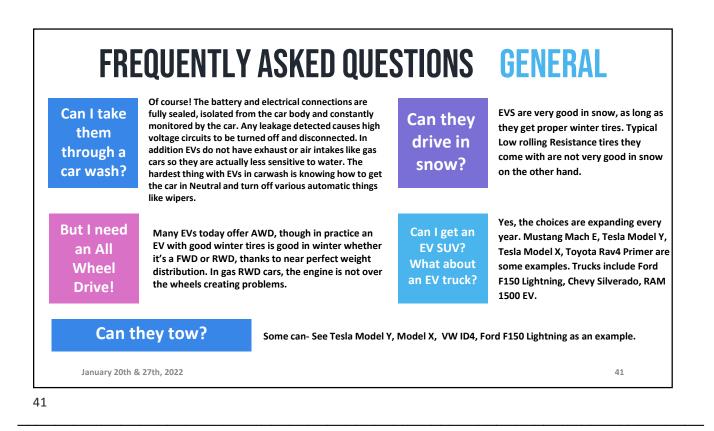


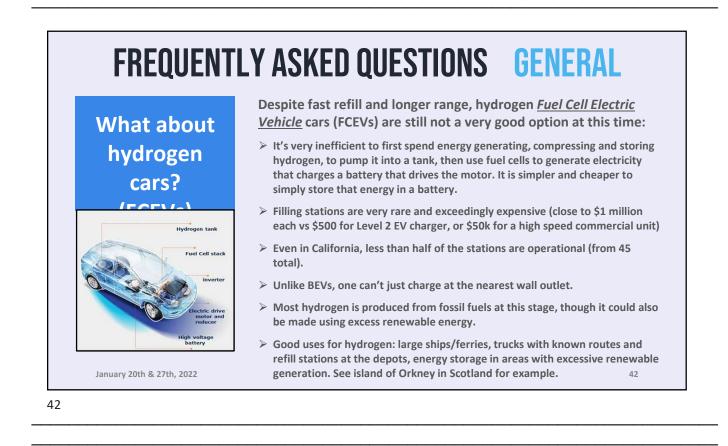




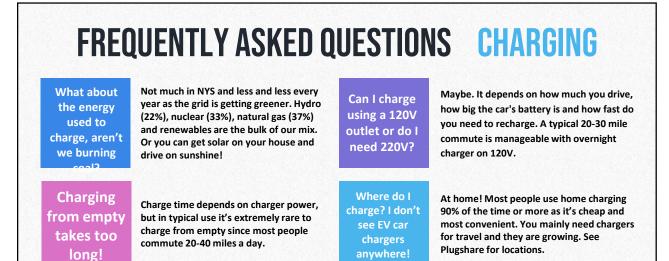








Presented by Color Penfield Green



Will my bill go up?

Assuming 1k miles/mo, 14 cents/kWh and about 3.5 kWh/mile, and about 85% overall efficiency, 335kWh a month or about \$47. A 25mpg gas car will need 40 gallons of gas at whatever price it's at today (if around \$3, or \$120). Gas would have be \$1/gallon or cars need to be much more efficient (62mpg) to compete with EVs.

January 20th & 27th, 2022

43

