

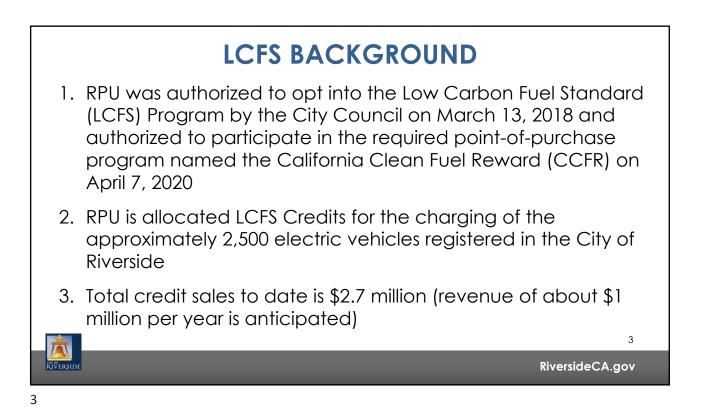
## TRANSPORTATION ELECTRIFICATION & PROGRAMS FOR EV RELATED REBATES USING LOW CARBON FUEL STANDARD REVENUE

## **Riverside Public Utilities**

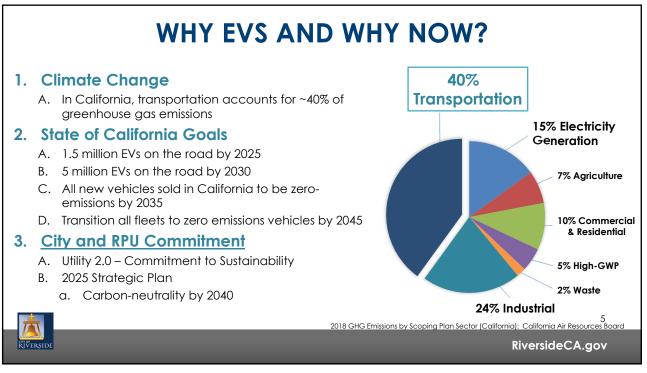
Public Utilities Electric Committee July 14, 2021

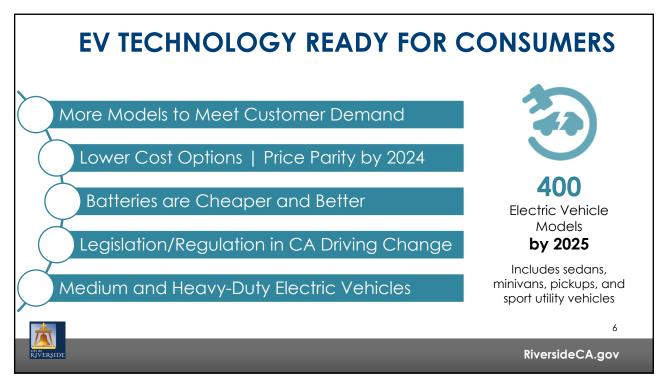
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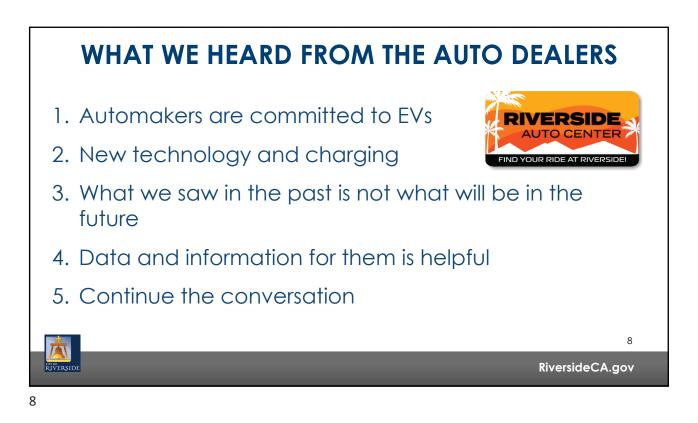


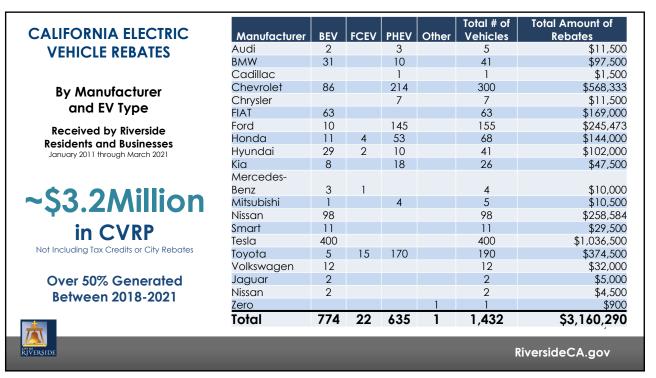
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## AUTOMAKERS COMMITMENT TO ELECTRIFICATION

- 1. Stellantis: From Dodge to Maserati, every new model the company launches from now until 2025 will offer an "electrified" variant
- 2. GM: Plans to be carbon neutral by 2040 for its global products and operations / Eliminate tailpipe emissions from all new light-duty vehicles by 2035 / has committed to the Business Ambition Pledge for 1.5°C
- **3.** Toyota: By 2025, Toyota's goal is to have 40% of new vehicle sales be electrified models, and by 2030 expects that to increase to nearly 70%.
- **4.** Nissan: All of its "new vehicle offerings" in key markets would be electrified by the early 2030s, as part of the automaker's efforts to achieve carbon neutrality by 2050
- **5. Kia**: Company is transitioning to all electric vehicles with 7 models planned by 2027 and announcement that it changed their company name from Kia Motors to Kia to reflect their push to electrification
- 6. Jeep Brand: States it is committed to becoming one of the most environmentally conscious SUV brands on the planet (2021)

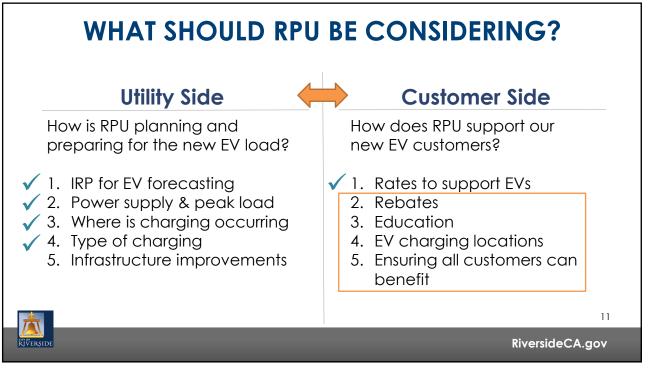


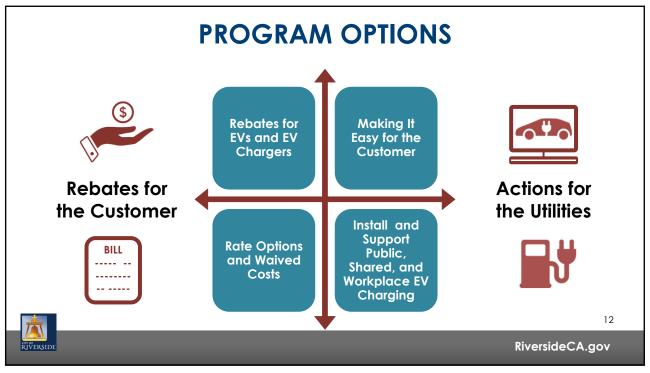


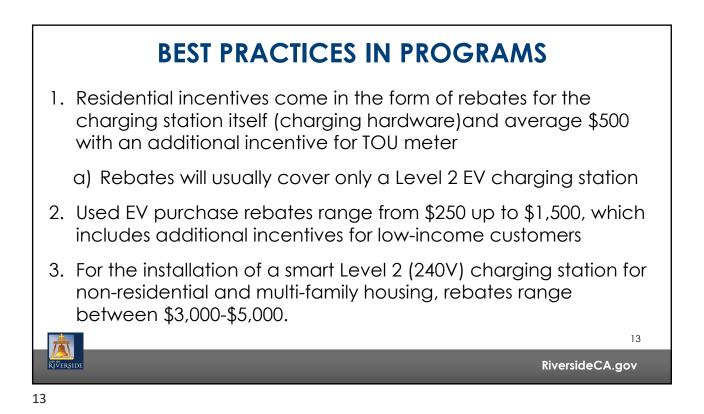


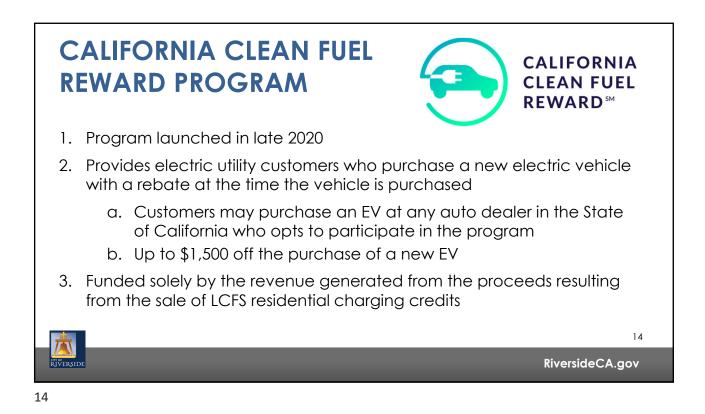
SAVING MONEY AND CLEANING THE AIR				
Battery EV compared to Convention Gas Engine Vehicle Traveling an average of 20,000 miles per year				
Vehicle Type	Fuel Economy	Fuel Requirements	Estimated Annual Cost	Greenhouse Gas Emissions
Battery Electric	3.43 miles/kWh	5,831 kWh/year	\$1,096 for electricity	2.3 metric tons
Conventional Gas	22 miles / gallon	909 gallons / year	\$3,391 for gasoline	8.1 metric tons
Benefits of Electric			<b>\$2,295</b> Savings	5.8 metric tons reduced
4				10

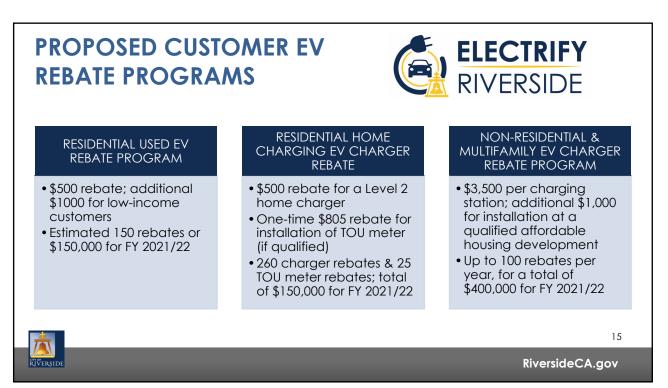
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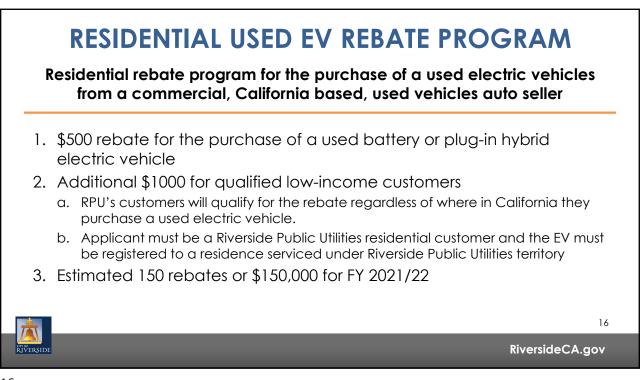


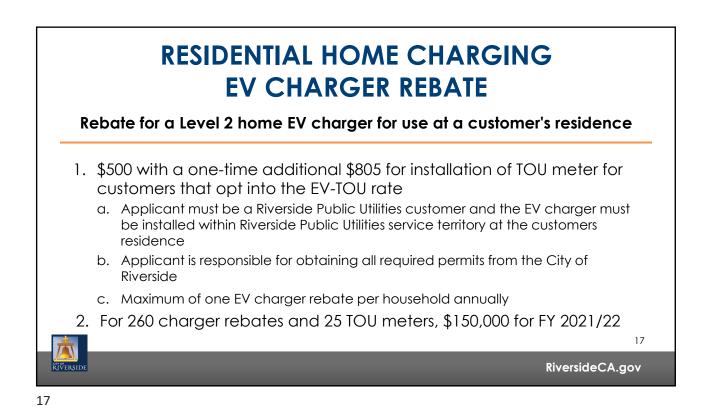


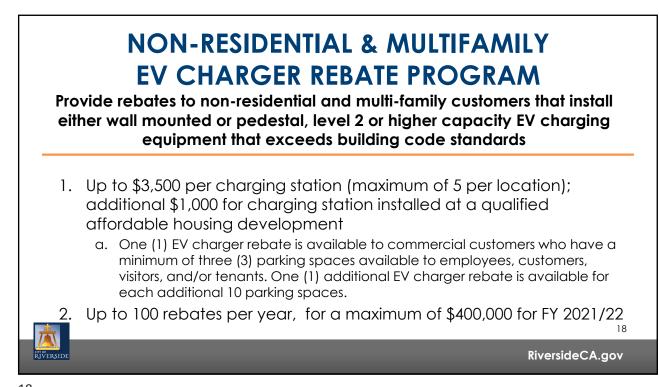


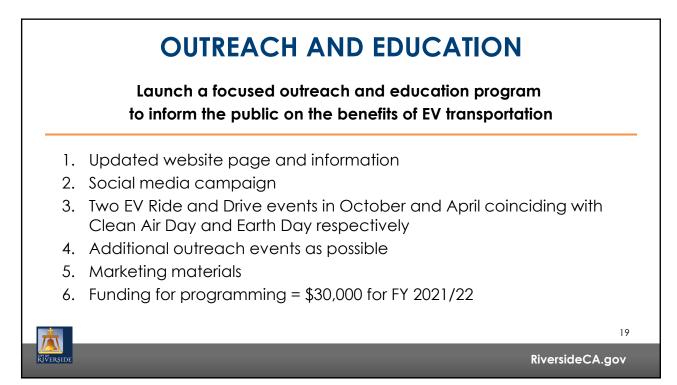


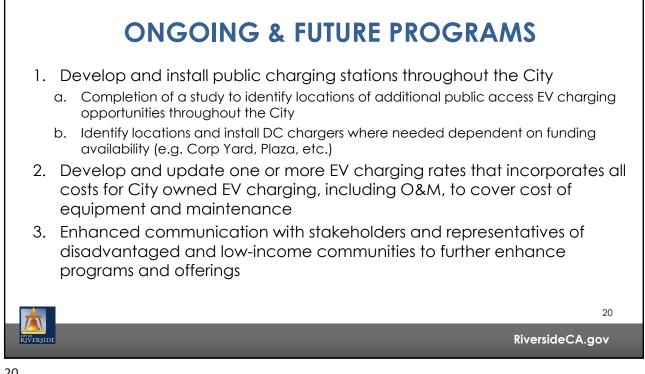












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## RECOMMENDATIONS

That the Electric Committee recommends that the Board of Public Utilities forward a recommendation to the City Council to:

- Approve the Residential Used Electric Vehicle Rebate, the Residential Home Charging Electric Vehicle Charging Rebate, and the Non-Residential/Multifamily Electric Vehicle Charger Rebate Programs, using proceeds from the sale of Low Carbon Fuel Standard credits in the amount of \$730,000 for Fiscal Year 2021/22;
- Authorize the City Manager, or designee, to execute the Rebate Programs and take all necessary actions required, or advisable to implement, administer, fund, and carry out the City of Riverside's responsibilities under the Rebate Programs; including the ability to make non-substantive changes, as well as to execute future amendments to the Rebate Programs under substantially similar terms and conditions;

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