



REGIONAL AIR QUALITY COUNCIL

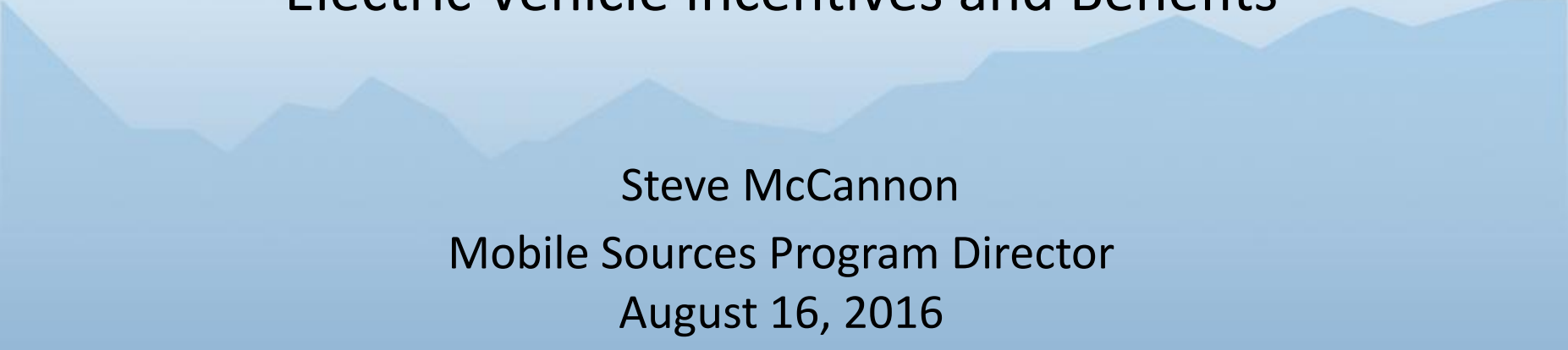
DRCOG Local Government Electric Vehicle Workshop

Electric Vehicle Incentives and Benefits

Steve McCannon

Mobile Sources Program Director

August 16, 2016



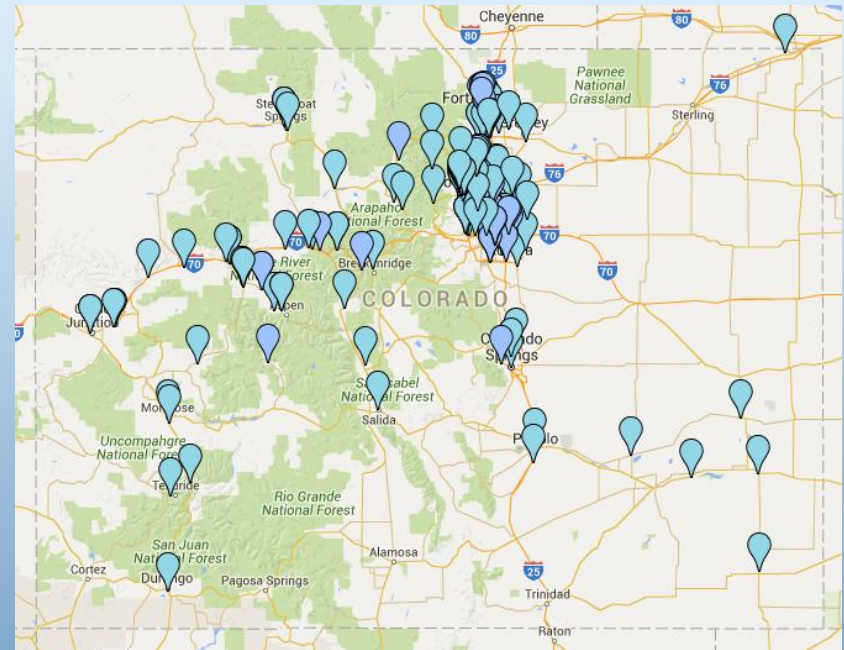


CHARGE AHEAD COLORADO ENERGIZE YOUR RIDE

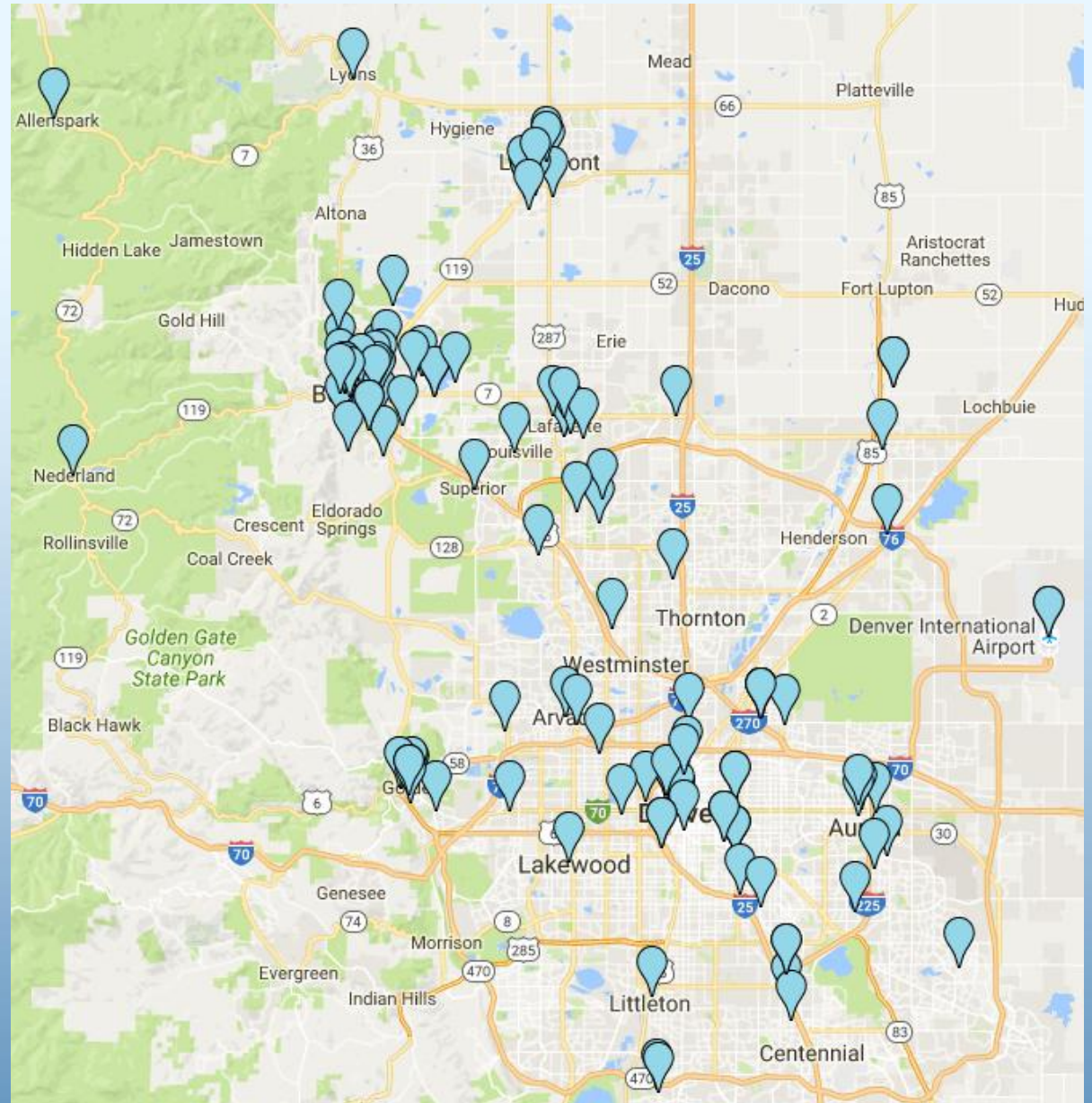
Charge Ahead Colorado is a partnership between the RAQC and the Colorado Energy Office.

Designed to incentivize statewide distribution of EV charging infrastructure and assist with the purchase of EVs for governments.

Many incentives for public fleets and private motorists



Charging Infrastructure in the DRCOG Area:



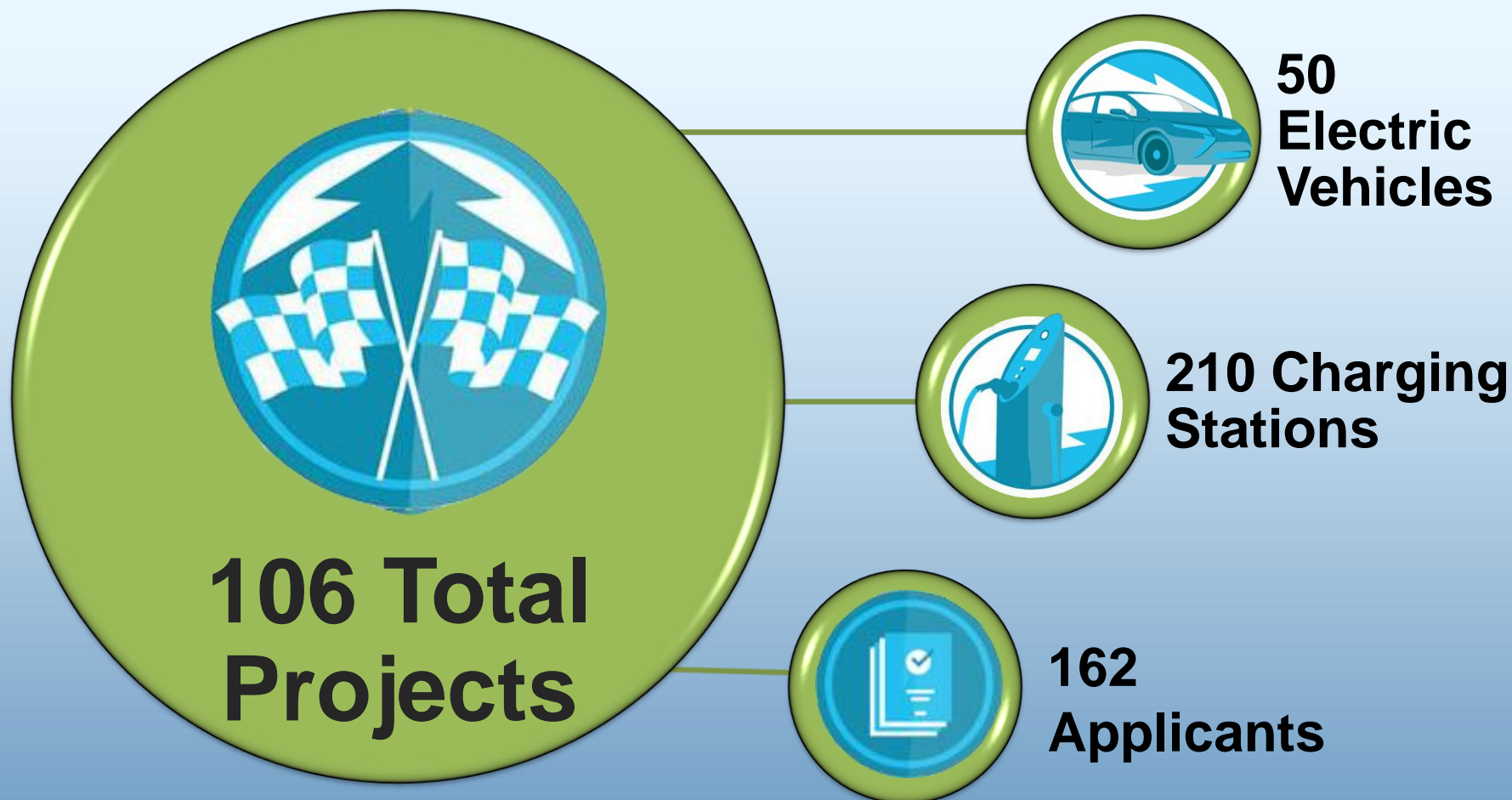
CAC Funding Overview

- RAQC and CEO have funding for public, private and non-profit entities to pay 80% of the cost of EVSE up to:

EVSE Type	Maximum Funding
Level II, Single Port Station	\$3,260
Level II, Multi-port Station	\$6,260
Level III, Single Connection Standard Station	\$13,000
Level III, Multiple Connection Standard Station	\$16,000

- The RAQC has funding in the DRCOG area to pay 80% of the incremental cost differential between a gasoline/diesel vehicle and the comparable EV up to \$8,260 per vehicle for organizations that are ineligible for Colorado state tax credits.

Awards to Date by RAQC



State and Federal Tax Credits

- The State and Federal governments are looking to incentivize the development of charging infrastructure and electric vehicle adoption.
- There are Federal tax credits for charging infrastructure:
 - Between January 1, 2015, and December 31, 2016, new EVSE installations are eligible for a tax credit of 30% of the cost, not to exceed \$30,000. Applicable for workplaces in your jurisdictions.

State and Federal Tax Credits

- Federal Electric Vehicle Tax Credits:
 - For an EV with a battery capacity of 16 kWh or greater, the current maximum value of federal tax credit is \$7,500 as of April 2016.
- State Electric Vehicle Tax Credits:
 - State tax credits are dependent on battery size until December 31, 2016. EVs are eligible for credits up to \$6,000.
 - Beginning January 1st, 2017, there will be a flat, assignable tax credit up to \$5,000.

Vehicle Leases



- Leased Electric Vehicles are eligible for EV funding through the RAQC for up to \$8,260
- Test the waters of EVs without the long-term commitment.
- Recently, the incremental cost between an EV and conventional vehicle has fallen resulting in minimal additional costs for awardees (~\$5,500).
 - RAQC grant is 80% of \$5,500 incremental cost.

Group Buy

- Huge incentive for community members to purchase EVs at a drastically reduced cost.
- No costs to the local government other than staff time organizing the programs.

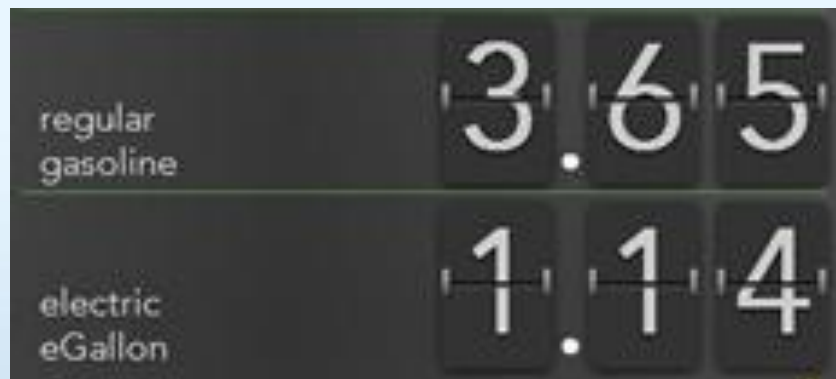


Additional “Incentives” to go Electric

- Assist with meeting sustainability planning goals:
 - Tailpipe emissions: **100% emissions reduction**
 - Lifecycle emissions: **60.6% emissions reduction**
 - The only vehicle that will get cleaner over time. Pair it with renewable energy sources and reduce the lifecycle emissions even further.



Additional “Incentives” to go Electric



- Significant cost and fuel savings:
 - In Colorado, an “eGallon” costs \$1.05 per gallon equivalent compared to a current state average of \$2.115 for gasoline.
 - Dramatically reduced maintenance costs. One of our partners estimated their operational, per mile cost to be \$0.02/mile as opposed to \$0.10-0.15/mile.

Mobile Sources Team Contacts			Extension
www.cleanairfleets.org	www.refuelcolorado.com		303-629-5450
Steve McCannon	Program Director	Smccannon@raqc.org	230
Matt Mines	CAC Program Coordinator	mmines@raqc.org	210
Kaylyn Bopp	AFC Program Coordinator	kbopp@raqc.org	290
Matt Goble	Communications Coordinator	mgoble@raqc.org	280
Kelley Grubbs	Program Analyst	kgrubbs@raqc.org	260