



Using CMAQ to Create *ALT Fuels Colorado*

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Director



COLORADO
Energy Office

The Colorado Energy Office (CEO)

MISSION STATEMENT

*The CEO's mission is to improve the **effective use of all of Colorado's energy resources** and the **efficient consumption of energy in all economic sectors**, through providing technical guidance, financial support, policy advocacy and public communications.*

DEPARTMENT VISION

The CEO's vision is to help Coloradans live more prosperous and healthy lives by promoting innovative energy production and efficient energy consumption practices that are beneficial to the economic and environmental health of the state.



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CEO ALT-Fuel Objectives (circa 2011)

1. Foster a sustainable, statewide alternate fuels market, with an emphasis on Compressed Natural Gas
2. Remove barriers to the adoption of alternate fuel vehicles (AFVs)
3. Address lack of fueling infrastructure for AFVs
4. Reduce initial costs of AFVs and alternate fuel infrastructure with incentive to offset incremental costs



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CMAQ in Colorado

Historically used in non-attainment areas (metro Denver/Front Range)

2012 “Moving Ahead for Progress in the 21st Century Act” opened door to new approaches

MAP-21 allowed states to fund alternative fueling stations beyond non-attainment areas



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Key Principles (CEO and CMAQ)

Reduction of NO_x and other criteria pollutants

Development of publicly accessible stations along major statewide transportation routes

Support of local government and community



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CMAQ ALT Fuels Advocacy Process

2013: Engaged traditional CMAQ recipients

Premise: No metro-Denver alt fuel vehicle market development without stations statewide

Key Stakeholders/Partners:

- Metro Planning Orgs, esp. Denver Regional Council of Governments
- CO Department of Transportation (CMAQ recipient)
- Statewide Transportation Advisory Committee
- Transportation Commission

Result:

CEO secured \$30 million for a 4-year program
- funds split between stations and vehicles



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CMAQ Funding

\$30M over 4 years; \$10M in first year with installments over following three years

Approximately \$15M each to stations and vehicles; CEO leads administration and station grants; RAQC* leads vehicle grants

First year: \$7M to stations, \$3M to vehicles to jumpstart stations; latter years focus on vehicles

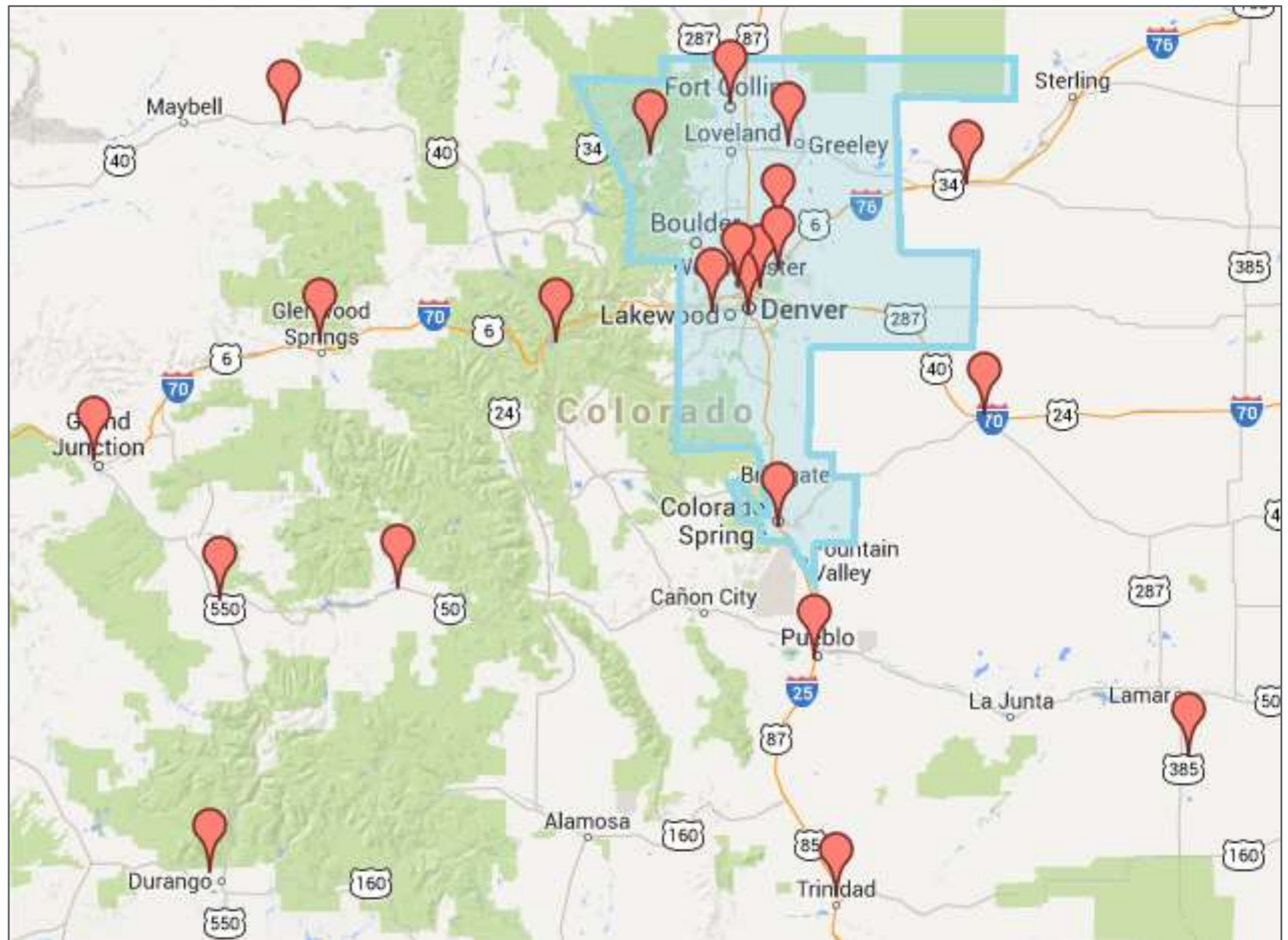
* RAQC = Regional Air Quality Council



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Statewide Alternative Fuels Interest

Expressed
interest in CNG
fueling
infrastructure
development
from Colorado
fleets



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Market Implementation Plan

How to create a sustainable market?

Medium- and heavy-duty fleet focus

Station infrastructure along major transportation corridors

Strong relationships with local governments, fleets, utilities, and others



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CEO Transportation Program Goals

Increase the percentage of new medium and heavy duty CNG vehicles sold in Colorado

- **1-year Outcome Goals (July 1, 2015):** Increase the number of publicly accessible CNG fueling stations along Colorado's major transportation corridors by 14 stations, raising the total number of statewide CNG stations to 31.
- **3-year Outcome Goals (July 1, 2017):** Increase the number of publicly accessible CNG fueling stations along major transportation corridors by 20.



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Program Progress

Fall 2014 - 8 stations awarded within preliminary funding round

January 2015 - released second RFA for stations

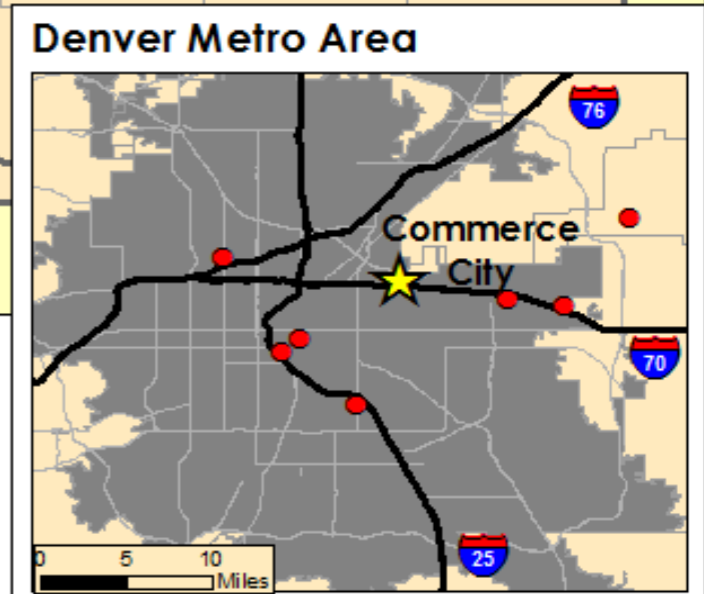
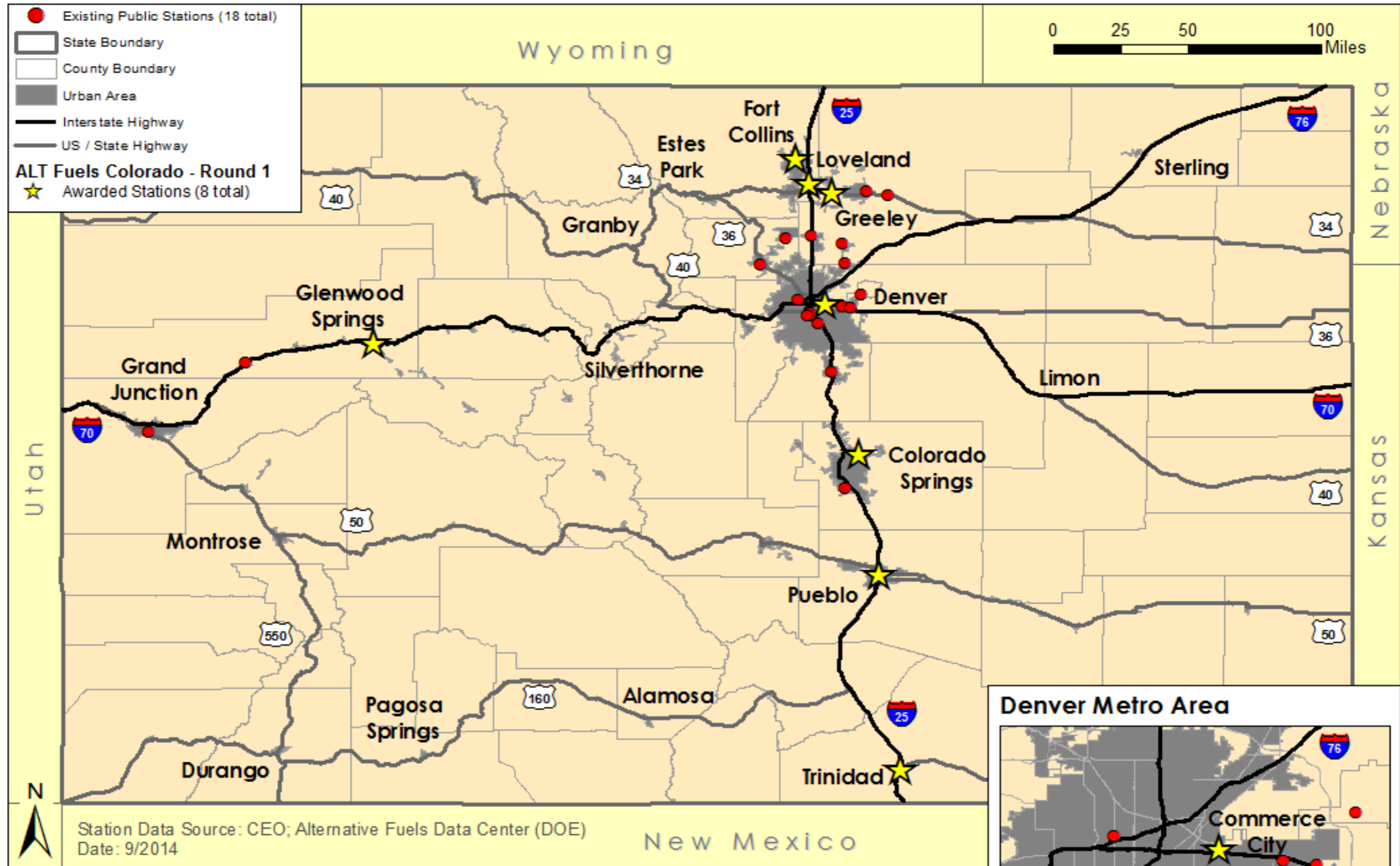
Station rounds announced approximately every 6 months

~3.4 million gasoline gallon equivalent (GGE) sales projected in first full year



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ALT Fuels Colorado Station Awards



[ALT Fuels Colorado]

Colorado CNG Fueling Stations

Strategy Reinforcement

Tax Credits (2013 & 2014 legislation)

- 2013: Modified & extended existing tax credit
 - “innovative motor vehicles”
 - through 2021
- 2014: Added 8 new credit categories
 - Increased credit percentages
 - Raised caps on credits

CO Department of Local Affairs

- Energy & Minerals Impact Grants Program: Local Governments
- CO Alternative Fuels Funding (2014-17)
 - \$20 Million: Incremental Vehicle Costs & Fueling Infrastructure



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