



Alt Fuels Colorado

August STAC Update




Program Goals

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

Key Principles

Reduction of NO_x and other criteria pollutants.



Development of publicly accessible station corridors along major statewide transportation routes.



Local government and community support.

Market Implementation Plan

How do we get a sustainable market?

Medium- and heavy-duty fleets are best sources of demand

Stations along major transportation corridors are essential

Building working relationships with local governments, fleets, utilities, and others

CMAQ Funding

\$30M over four years; \$10M in first year with roughly even 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 lean more toward vehicles.

CEO - Station Incentives

Front Range

- Over half of the state's existing stations
- Many within the Denver Metro Area

Statewide Corridor


- Overcoming range anxiety is crucial to vehicle adoption
- Key station locations
- 20-30 new CNG stations

Incentives

- 80% equipment capped at \$500,000 for CNG stations
- Additional \$50,000 grants available for co-located EV and propane stations

CEO - Station Funding Timeline

June 26 to July 24 – Initial round of station funding



Late August – make selections and begin contracting



August – release RFA for vehicles



Station rounds to be announced approximately every 6 months

RAQC – Program Goals

- Incentivize the purchase of 1,000 light, medium and heavy-duty AFVs over 4 years for public, non-profit and private fleets
- Reduce air pollutants in program area
- Focus on retiring pre-2010 diesel and gas vehicles
- Increase the use of AFVs to support CEO and DOLA infrastructure
- Increase demand for OEM AFVs
- Expand the use of domestic energy sources
- Gather data and promote fleet sustainability

RAQC - Vehicle Funding

\$15 million available over 4 years



Vehicle Grants Managed by the RAQC



Eligible Counties : Adams, Arapahoe, Boulder, Broomfield, Denver, Douglas, Jefferson, and parts of Larimer, Weld, El Paso and Teller Counties

RAQC - Vehicle Incentives

- \$9M for public/non-profit fleets and \$5.5 for private fleets over 4 years
- RAQC can cover up to 80% of the incremental AFV (classes 2-8) cost up to the caps below
 - Private fleets could be eligible for state income tax credits

	Public and Non-profit Fleets	Private Fleets
Light-duty AFV (6,001-10,000 lbs.)	\$7,000	\$3,000
Medium-duty AFV (10,001-26,000 lbs.)	\$25,000	\$15,000
Heavy-duty AFV (26,001 + lbs.)	\$35,000	\$22,000

RAQC – Grant Criteria

- \$2.8 million available in first year
- Eligible vehicle types:
 - Compressed natural gas (CNG), CNG bi-fuel, electric and propane
- Eligible applicants:
 - include public, non-profit and private Front Range fleets that operate light, medium and heavy-duty vehicles.
- Fleets must be:
 - domiciled in or near the Colorado ozone non-attainment and/or carbon monoxide maintenance areas and predominately operate in the ozone non-attainment and/or carbon monoxide maintenance areas.
 - predominant use is defined as 60% of vehicle miles taking place in the program area

RAQC – Vehicle Funding Timeline (1st Round)

Action Item	Date
Application period opens	August 7, 2014
Deadline for questions	September 8, 2014
Applications due	September 12, 2014
Awards announced	October 2014
Begin purchasing vehicle (if Buy America waiver is approved)	Early 2015

- Only written questions will be accepted during the application period to RAQC contact
- RAQC will post all Q&A to our website

DOLA – Program Overview

- 4-year funding program
- \$20 million from the Energy & Mineral Impact Assistance Fund
 - \$10 million for vehicle grants
 - \$10 million for station infrastructure grants
- Designed to complement the CMAQ funding provided to CEO and RAQC

DOLA – Station & Vehicle Eligibility

- Public entities only: municipalities, counties, & special districts
- Designed to complement the CMAQ funded program by CEO and RAQC

Stations

- Locations statewide
- Minimum 25% local match required
- Applications ongoing

Vehicles

- Locations *outside* the nonattainment area
- Grant pays 100% of incremental cost
- Applications ongoing

Program Comparison– CEO, RAQC, & DOLA

	DOLA Alternative Fuels Initiative		Alt Fuels Colorado*	
	Vehicles	Fueling Stations	Vehicles	Fueling Stations
Program Website	dola.colorado.gov/afp	dola.colorado.gov/afp	www.cleanairfleets.org	www.refuelcolorado.com
Total Available Funding	\$10 million	\$10 million	\$15 million	\$15 million
Total Funding Per Applicant	TBD	TBD	Up to 80% of incremental vehicles cost(s)	Up to \$500,000 (or 80%) for CNG fueling equipment; up to \$50,000 for co-located propane and EV fast chargers
Eligible Applicants	Public Only: Municipalities, Counties, and Special Districts	Public Only: Municipalities, Counties, and Special Districts	Public and Private Fleets	Operators of Publicly Accessible Stations
Match	Vehicle standard purchase price; grant pays for AFV incremental costs	25% minimum local match	20% min. match (non-federal) of incremental vehicle cost up to caps based on weigh classification	20% min. match (non-federal) for station equipment
Responsible Agency	DOLA	DOLA	RAQC	CEO
Point of Contact	DOLA Regional Managers	DOLA Regional Managers	Steve McCannon smccannon@raqc.org	Wes Maurer wes.maurer@state.co.us
Funding Zones: Non-Attainment/ Attainment Areas	Attainment Areas	Both Attainment and Non-Attainment Areas	Counties containing air quality non-attainment/ maintenance areas	Both Attainment and Non-Attainment areas
Major Transport Corridors	N/A	TBD	N/A	Publicly accessible, fast-fill stations
Application Cycle	Ongoing, after CEO consultation	Ongoing, after CEO consultation	Quarterly	Anticipated 2 rounds per year
AFV Fuel Options	CNG, CNG bi-fuel, propane, electric as appropriate after consultation with CEO (Refuel CO)	CNG with co-located electric and propane	CNG, CNG bi-fuel, propane, plug-in electric	CNG with co-located electric and propane

Questions & Contacts



Colorado Energy Office (CEO)

Wes Maurer
Transportation Program Manager
(303) 866-2064
wes.maurer@state.co.us
www.colorado.gov/energy

Regional Air Quality Council (RAQC)



Steve McCannon
Mobile Sources Program Manager
(303) 629-5450 (ext. 230)
smccannon@raqc.org
<http://raqc.org/>

Department of Local Affairs (DOLA)



Charlie Unseld
Deputy Director, Division of Local Government
(303) 864-7722
charles.unseld@state.co.us
<https://dola.colorado.gov/afp/>