



Petroleum Reduction Menu of Ideas

Low Hanging Fruit

Drive More Efficiently

- **Avoid High Speeds**
Slower speeds are generally better for fuel efficiency; driving 62 mph vs. 75 mph will reduce fuel consumption by about 15%
- **Do Not Accelerate or Brake Hard**
By anticipating the traffic and applying slow steady acceleration and braking, fuel economy may increase by as much as 20%
- **Use Cruise Control**
Using cruise control on the highway helps drivers maintain a constant speed and often saves gas
- **Idle Less**
Idling gets us nowhere, but still burns fuel; use the [Anti Idle policy](#) to guide your drivers towards success. State Fleet Management (SFM) can also provide recommendations for policy enforcement and oversight.
- **Remove Excess Weight from Your Vehicles**
For every 100 pounds removed, fuel economy increases by 1-2%

Keep Your Vehicles In Shape

- **Keep Tires Properly Inflated-Institute a tire pressure check program**
Keep tire air pressure at the level recommended by the vehicle manufacturer; each pound of PSI can result in an additional 1% mile per gallon increase
- **Keep Vehicles' Engines Properly Tuned**
Fixing a car that is out of tune improves its gas mileage by an average of 4%

Plan & Combine Trips

- Drivers should plan ahead to try to do all their jobs functions in one trip: go to the furthest destination first, then work their way back
- Combine trips whenever possible; several short trips taken from a cold start can use twice as much fuel as a longer, multipurpose trip covering the same distance
- Rideshare to make trips more efficient

- Eliminate some of the trips using teleconference and screen share solutions available for all State of Colorado Google customers via Google Hangouts

Longer Term Strategies

Conservation Strategies

- Establish a Vehicle Miles Traveled (VMT) reduction target
- Have fleet coordinators report VMT monthly to executive directors, agency energy managers, and the agency Greening Government representative
- Develop a VMT reduction outreach and education program for employees
- Institute a detailed, daily trip log; the organization's designated energy or fleet manager regularly reviews trip log
- Document and review established routine vehicle routes, such as mail delivery, and combine or eliminate routes where possible*
- Communicate values of telematics/GPS tracking systems
- If you are aware of a large pool of vehicles, contact SFM to investigate the implementation of Motor Pool Software
- Require "commuter" vehicle drivers to reduce the number of vehicle miles traveled per fiscal year by seven percent annually, to reach a 25 percent reduction in VMT
- Require organizations that provide RTD Eco Passes to employees to use the RTD skyRide to Denver International Airport, rather than using a state vehicle or reimbursement of mileage and parking expense

*If your agency needs routing or logistical solution to help better utilize your fleet, SFM can provide vendor information

Efficiency Strategies

- Conduct an in-depth investigation of individual vehicles and related job functions to determine the vehicle type best suited for the agency's needs
- Correlate vehicle type with the job function and include that information in the position description questionnaire (PDQ); assign vehicles as stated in the PDQ, not based on individual preferences
- Require employees to use the most appropriately sized vehicle to conduct day-to-day business
- When a specialty vehicle is required for a job function, require employees to use motor pool or rental vehicles
- If currently assigned a four-wheel drive vehicle, executive directors and executive staff should lead by example and rotate vehicles into an agency pool

Alternative fuels

- Use CARS software to identify vehicles on your fleet that can use alternative fuels, and use the Fleet Dash to locate where the opportunities are near to your route
- Communicate the value of monitoring Fleet Dash to minimize missed opportunities

- Use the tools available through [Voyager](#) to track, monitor and report fuel consumption; report statewide quarterly fuel consumption data on a division- by-division basis
- Require downtown motor pool users to use alternate-fuel or hybrid vehicles, unless one is not available or does not meet a specific need
- Require all drivers to sign an agreement to use alternative fuels when available prior to using the vehicle
- Assign a "home base" location to all state-owned Alternative Fuel Vehicles (AFV) in an effort to ensure that they are maximizing fueling opportunities
- Execute formal agreements with political subdivisions to share alternative fuel sites
- Develop an employee education plan to increase the use of alternative fuels
- Encourage private-owned alternative fueling sites in strategic locations
- Continue to review opportunities to add alternate fuel vehicles, such as electric and compressed natural gas vehicles in the fleet
- Research your agency's ability to implement strategic solutions like electric vehicle charging stations; contact the Colorado Energy Office for support and expert guidance
- Purchase alternative fuel vehicles and vehicles that have been right sized every year when working with State Fleet on the annual vehicle replacement cycle