

# Cost Efficiency Report

## 2019



**ACTION TAKEN**

Decrease cost per mile

By using fleet operation's telematics program to alert drivers to idling and speeding, we have seen an increase in MPG's. DAS continually monitors speed and idling and enforces corrective actions through our Driver Safety Committee.

Decrease overall pollution output by the state fleet

Through the use of telematics devices in DAS vehicles, we have seen a substantial reduction in idling times, which has a direct correlation in the number of tailpipe emissions like volatile organic compounds (VOCs), carbon monoxide (CO) and oxides of nitrogen (NOX). These emissions are known to contribute to air pollution and smog. Reduced idling also increases MPG. DAS continually uses this data and takes corrective actions with vehicle operators who idle for excessive periods.

Right-size your vehicle type

Replacing four (4) DAS fleet trucks that are 4x2 with 4x4 models. This directive will increase the resale value. We have found that 4x2 trucks have much lower resale value when compared to 4x4 trucks. DAS will continue to monitor vehicle use through our telematics program and work with our fleet consultant to ensure that DAS has the right-sized the fleet in the coming year.

**GOAL**

Increase overall miles per gallon

By using the telematics program to alert drivers to excessive idling and speeding, we anticipate that we will continue to see an increase in overall vehicle MPG. DAS will continue to address egregious speeding events through our DAS driver safety committee and take corrective actions to educate vehicle operators who break the rules of speeding and excessive idling. Reducing speeding and idling events will effectively decrease fuel consumed by state vehicles.

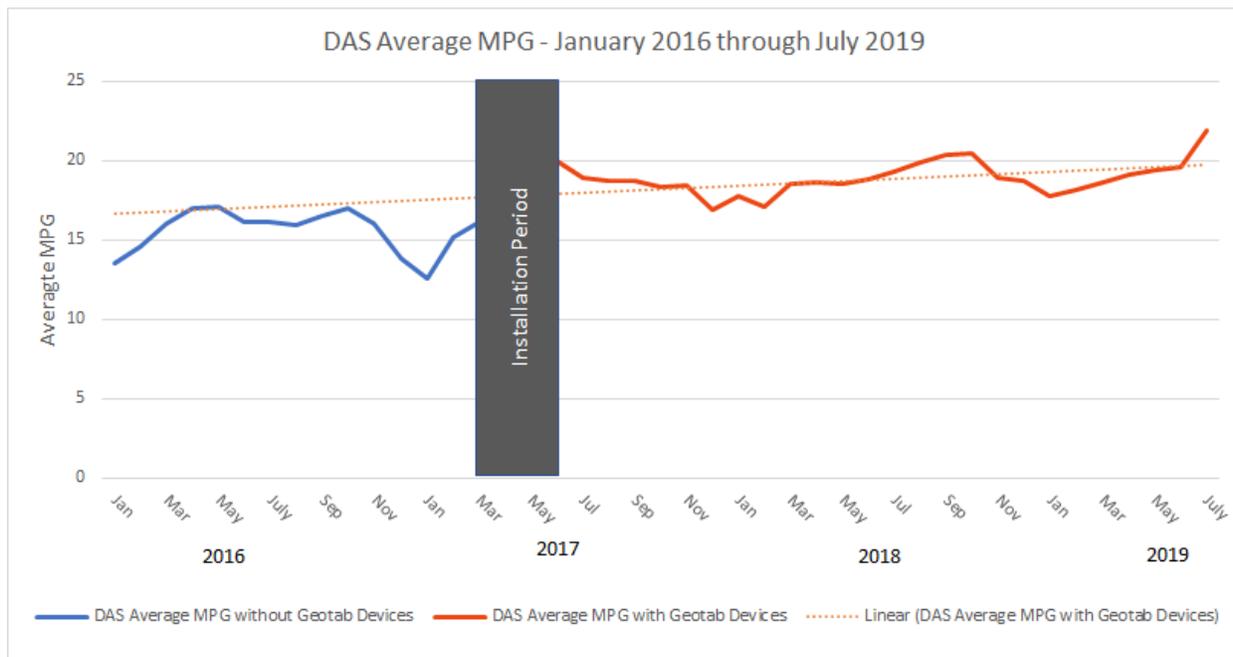
Educate drivers of their accountability on implementing cost reduction measures

By utilizing the vehicle telematics data, we will educate our drivers on how to reduce the costs associated by reducing idle times, minimizing the inherent risks involved with operating motor vehicles, and extreme speeding events. From that data, we can correct negative driving behaviors that impact the cost associated with operating state-owned cars.

Decrease overall pollution output by the state fleet

The overall goal will be to effectively reduce pollution through the use of the vehicle telematics device. DAS will actively monitor excessive idle times and directly address extreme idle times with the respective divisions and drivers. DAS will use the vehicle telematics device feedback (beeping) to alert the driver when the vehicle has exceeded a pre-determined amount of idle time thereby reducing pollution that comes from excessive idling

## Department of Administrative Services Telematics Success



**Note:** DAS instituted a real-time in-cab alert (beeping) for idling and speeding to curb driver behavior and reduce aggressive driving. Studies have shown that reducing aggressive driving has a linear increase in MPG. <sup>1</sup>

<sup>1</sup> <https://www.fueleconomy.gov/feg/driveHabits.jsp>

## **ACTION TAKEN**

Decrease total miles driven annually by state vehicles

To help decrease total miles driven annually by state vehicles, our compliance officers do an excellent job of carpooling when possible to complete audits and or training around the state.

Right-size your vehicle type

We added another vehicle to our fleet to help with day-to-day operations. In doing so, we said a car that gets high miles per gallon and is the appropriate size for the type of work intended.

## **GOAL**

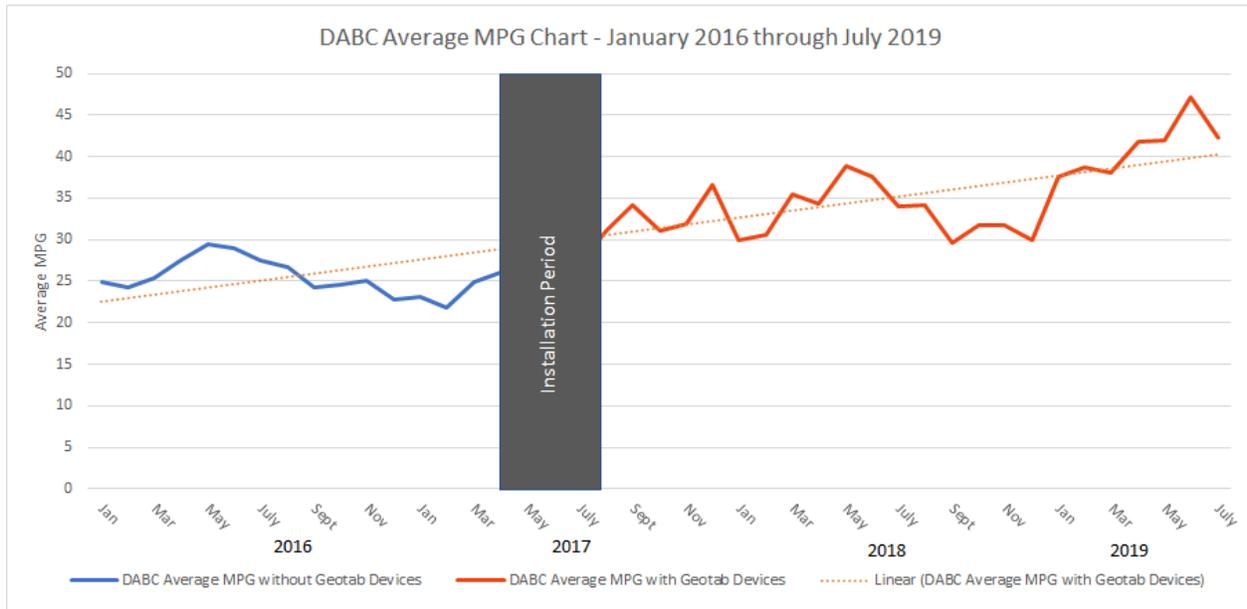
Increase overall miles per gallon

DABC will continue to purchase additional hybrid or high mpg vehicles and also use telematics to reduce idle time helping increase total miles per gallon.

Right-size your vehicle type

As the department grows, we will need to purchase more vehicles. When we are buying those vehicles, we will identify the intended use and ensure that the proper size vehicle is purchased for the most cost-effective use.

# Department of Alcoholic Beverage Control Telematics Success



**Note:** Using the telematics monitoring device to give the driver's real-time alerts for speeding, DABC has increased its overall MPGs.

**ACTION TAKEN**

Decrease total gallons of fuel consumed by state vehicles

Added two e-bikes to fleet

**GOAL**

Decrease total gallons of fuel consumed by state vehicles

Added two e-bikes to fleet

**ACTION TAKEN**

Decrease overall pollution output by the state fleet

The Utah State Board of Education installed GeoTab Telematic units in each of our fleet vehicles and set alerts for drivers to notify them when a vehicle idles for an excessive amount of time (more than two minutes). The unit also alerts drivers when they reach excessive speeds, which wastes fuel and creates pollution. Both alerts have created more awareness of driving habits.

**GOAL**

Decrease cost per mile

The Utah State Board of Education will utilize telematics units in each of the vehicles to remind drivers, with a beeping sound, when they exceed the posted speed limit for longer than 60 seconds (time allowed for passing vehicles). Slower, consistent speed will increase the vehicle miles per gallon and decrease the cost per mile.

**ACTION TAKEN**

Decrease total gallons of fuel consumed by state vehicles

Continued to implement video hearings for qualifying offenders housed at county jails and state prison facilities, thereby reducing travel to conduct the hearings in person.

Decrease total miles driven annually by state vehicles

Continued to implement video hearings for qualifying offenders housed at county jails and state prison facilities, thereby reducing travel to conduct the hearings in person.

Decrease overall pollution output by the state fleet

We continued to implement video hearings for qualifying offenders housed at county jails and state prison facilities, thereby reducing travel to conduct the hearings in person.

**GOAL**

Decrease total gallons of fuel consumed by state vehicles

Continue to implement video hearings for qualifying offenders housed at county jails and state prison facilities, thereby reducing travel to conduct the hearings in person.

Decrease total miles driven annually by state vehicles

Continue to implement video hearings for qualifying offenders housed at county jails and state prison facilities, thereby reducing travel to conduct the hearings in person.

Decrease overall pollution output by the state fleet

Continue to implement video hearings for qualifying offenders housed at county jails and state prison facilities, thereby reducing travel to conduct the hearings in person.

**ACTION TAKEN**

Right-size your vehicle type

Department Heads were able to accomplish our "right-size your vehicle" by looking at what the inspectors needed. Meaning if they needed something to visit rural areas, we equipped them with vehicles that fit the need. If the inspectors were more in urban areas or on highways, we provided them with cars.

Decrease total miles driven annually by state vehicles

Carpooling, cars were used wisely. Etc.

**GOAL**

Decrease number of state vehicles

We want to use a check out system on vehicles instead of cars being assigned to the division so that the cars we have are being used more.

Decrease cost per mile

Educate employees to get the proper maintenance done on all fleet vehicles.

**ACTION TAKEN**

Decrease overall pollution output by the state fleet

Increased hybrid vehicles in the fleet by 7% removing non-hybrid vehicles.

**GOAL**

Decrease overall pollution output by the state fleet

Increase hybrid vehicles in the fleet by 4% removing non-hybrid vehicles

**ACTION TAKEN**

Decrease total gallons of fuel consumed by state vehicles

The Department of Corrections uses telematics data to alert drivers of bad behavior such as speeding and idling. A driver is notified immediately by beeping inside the vehicle when the telematics detects speeding, harsh cornering, idling, no seat belt, etc.

Decrease total miles driven annually by state vehicles

1. The Department of Corrections' new infirmary at the Gunnison Prison is now fully staffed. This has decreased the total number of miles driven to transport an inmate from Gunnison to Salt Lake for medical care.
2. The Department of Corrections AP&P division continues to collaborate with AGRC to build field mapping apps for Probation & Parole Officers to better plan fieldwork for multiple locations. This is an on-going project.
3. The Department of Corrections continues to encourage staff to carpool when employees are attending training and meetings at the same location.
4. The Department of Corrections continues to use electronic communication to deliver electronically reports to the courts and the Board of Pardons and Parole instead of hand delivering the documents.

Right-size your vehicle type

1. The Department of Corrections during the replacement process determined that big SUV type vehicles were not practicable or workable and changed to vans to transport the inmates.
2. The Department of Corrections continues to monitor vehicle usage and recently moved seven vehicles to various areas for better utilization.

Decrease overall pollution output by the state fleet

1. The Department of Corrections was under-utilizing four large buses and determined to save money to the state and help with the carbon footprint to surplus the four buses and not to replace them.
2. The Department of Corrections was under-utilizing an old (1975) sizeable international dump truck and made the determination to surplus the vehicle. The replacement will be a

dump trailer, thus not having any pollution from a replacement vehicle.

3. The Department of Corrections continues to use the telematics devices in the vehicles to help with reducing idling times.

Increase overall miles per gallon

1. The Department of Corrections continues to encourage staff to carpool when employees are attending training and meetings at the same location.

2. The Draper Prison is utilizing flexible schedules, when appropriate, to limit the number of trips made weekly as well as coordinating the travel during off-peak congestion times.

## GOAL

Increase overall miles per gallon

The Department of Corrections will continue to reduce idle time through the use of telematics. Continue to monitor the telematics data to ensure the vehicle is working correctly, i.e., engine light on, etc. And continue to use the telematics to monitor and address issues with staff regarding speeding.

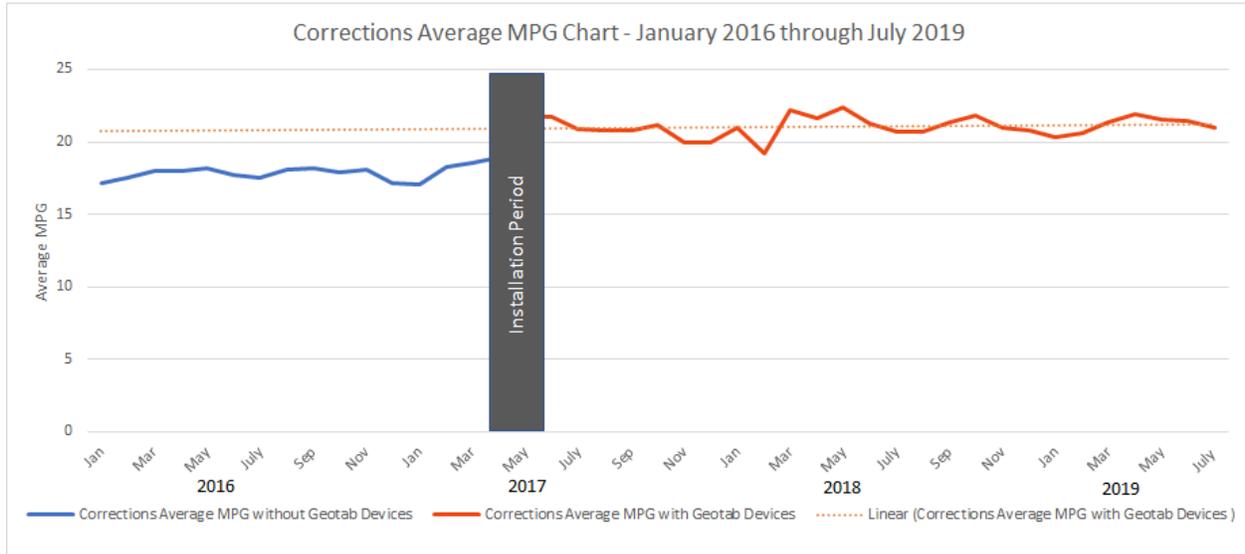
Right-size your vehicle type

The Department of Corrections will continue to evaluate the fleet and decide, when feasible, to downgrade, eliminate, or move vehicles for better utilization, costs savings, and reduce carbon footprint.

Decrease total gallons of fuel consumed by state vehicles

The Department of Corrections continues to encourage staff to carpool when employees are attending training and meetings at the same location.

## Department of Corrections Telematics Success



**Note:** Department of Corrections has implemented real-time cabin alerts (beeping) to discourage drivers from speeding and is monitoring other driver infractions. This graph shows an overall increase to MPG across the Department of Correction's fleet.

**ACTION TAKEN**

Right-size your vehicle type

AQ has eliminated their large size vehicles and using smaller Ram Pro City vans for transporting equipment, etc.

Decrease overall pollution output by the state fleet

Keeping newer vehicles and encouraging the use of the Department EV's

Increase overall miles per gallon

The department encouraged carpooling when feasible and have informed our drivers that the kiosk rental vehicles are equipped with telematics to encourage drivers to follow speed limits, thus conserving fuel.

Decrease number of state vehicles

A.Q. has decreased its fleet by one vehicle, and the department is looking at data to see if we need to have the one SUV in the department fleet or if it would be sufficient using the available fleet operation's kiosk rental vehicles.

**GOAL**

Increase overall miles per gallon

Tracking driver infractions and trying to educate employees about how wasteful and dangerous speeding and aggressive driving are.

Right-size your vehicle type

Encouraging employees to use the compacts offered by Fleet via the Kiosk and not unnecessarily choosing sedans or SUV's if they are not needed.

Decrease overall pollution output by the state fleet

Campaigning for more EVs for the department and in the Fleet vehicles available via the Kiosk.

**ACTION TAKEN**

Right-size your vehicle type

Completed utilization review for all Health buildings and ensured the right size/type of vehicle was being utilized appropriately.

**GOAL**

Decrease overall pollution output by the state fleet

We are having EV Chargers installed to support electric vehicles. We plan to start replacing fleet vehicles with electric vehicles in the next ordering cycle.

Right-size your vehicle type

We plan to trade in a truck for a sedan as a truck is no longer needed. Other trucks are being utilized.

**ACTION TAKEN**

Decreasing total gallons of fuel consumed by State vehicles

Encouraging carpooling when going to the same events

Decreasing total miles driven annually by state vehicles

Green bike station at the Rio Grande which includes electric bikes provided by Greenbike

Decrease overall pollution output by the State fleet

Reminding employees not to idle their vehicles as well as use Greenbike for downtown meetings when possible.

**GOAL**

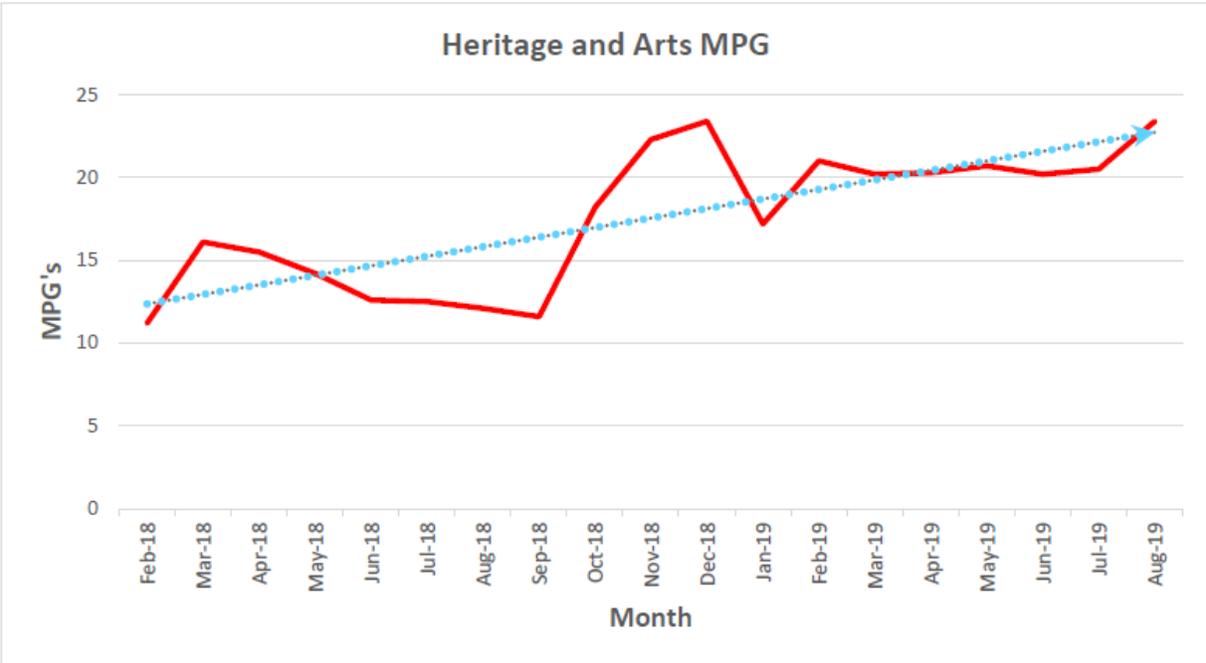
Decrease overall pollution output by the state fleet

Encouraging employees at their staff meetings to turn the vehicle off instead of idling.

Decrease total miles driven annually by state vehicles

Green bike station being installed in September 2019. Employees of DHA have use of green bikes for \$.01/year. Encouraging use of the Green bikes if going to downtown meetings.

## Department of Heritage & Arts Telematics Success



**Note:** MPG in the Department of Heritage & Arts has increased with the installation of telematics and having greater control over idling and speeding events. With an increased MPG, the vehicle will have higher operating efficiency, which decreases the number of gallons consumed by state vehicles.

**ACTION TAKEN**

Decrease overall pollution output by the state fleet

We have promoted using Front Runner and Trax when able to for meetings and worker commuting, as well as utilized the GPS telematics units for cutting out idle time and driving habits that consume more fuel, creating more emissions.

Decrease cost per mile

Monitoring the GPS units daily and reviewing the reports to curb engine abuse, speeding, and idling.

Decrease total gallons of fuel consumed by state vehicles

Monitoring the GPS units daily and reviewing the reports to curb engine abuse, speeding, and idling.

Increase overall miles per gallon

Monitoring the GPS units daily and reviewing the reports to curb engine abuse, speeding, and idling.

**GOAL**

Decrease total gallons of fuel consumed by state vehicles

Continue monitoring the GPS units daily and reviewing the reports to curb engine abuse, speeding, and idling. DHS is also promoting telework and meeting attendance through the use of Google Hangouts.

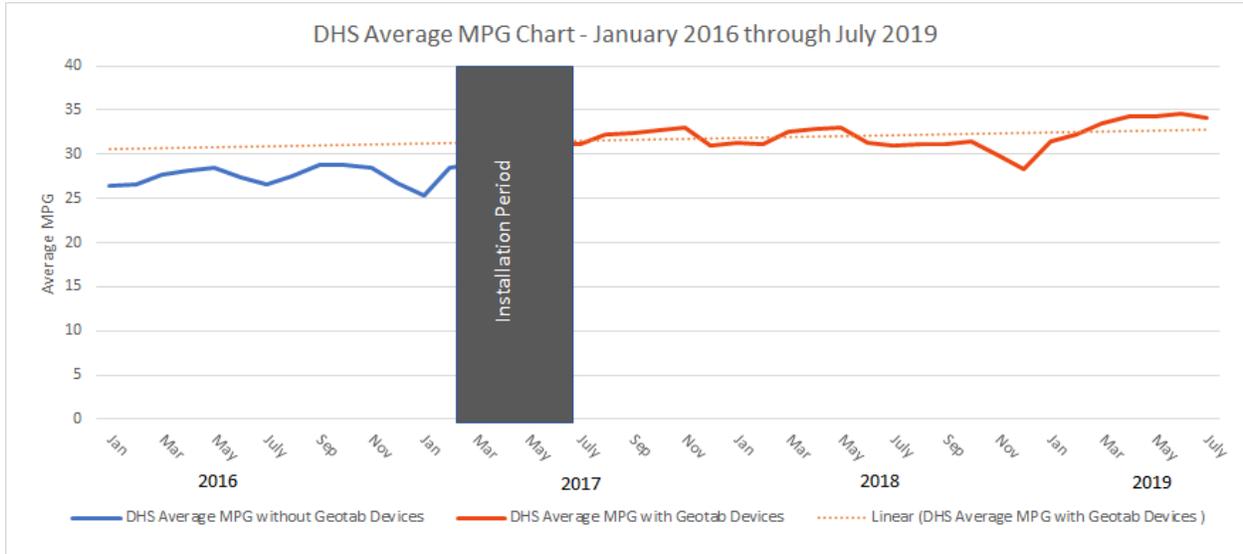
Decrease overall pollution output by the state fleet

Monitoring idle times of fleet vehicles through GPS Telematics devices.

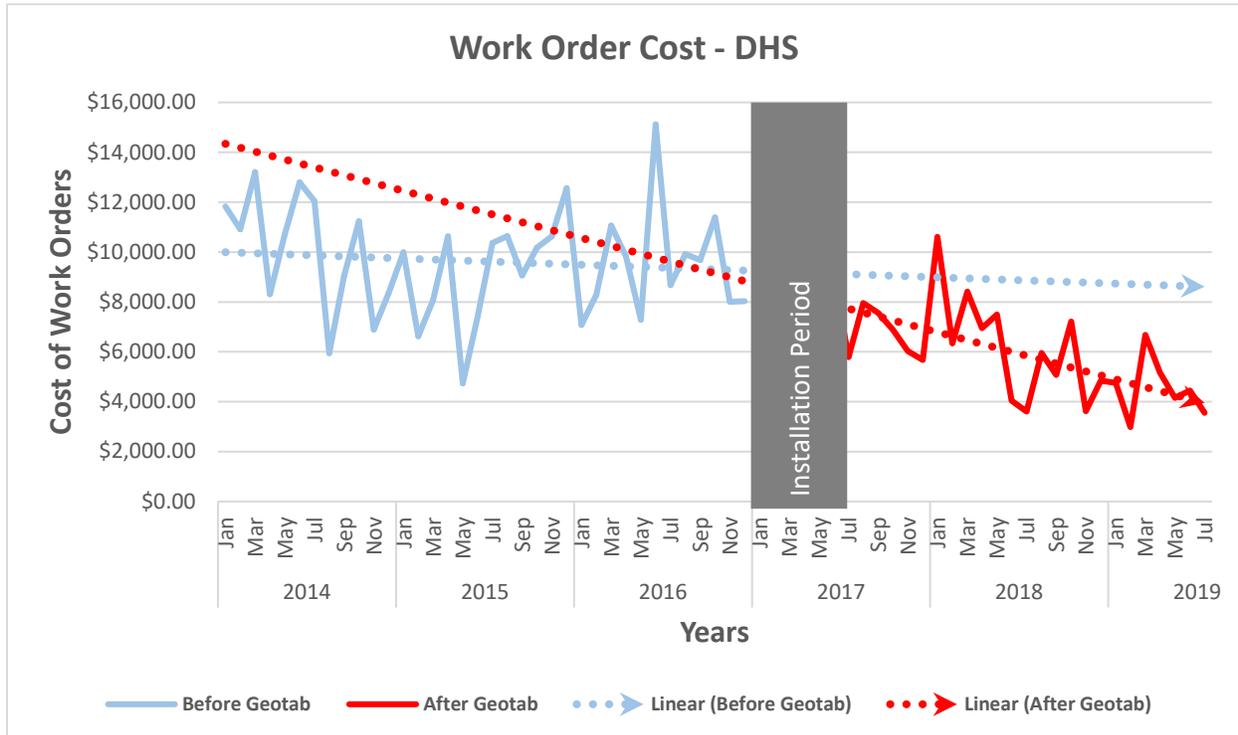
Educate drivers of their accountability on implementing cost reduction measures

Our Driver Safety Committee meets monthly to discuss driver notifications that we have received. We have issued and will continue to issue suspensions to drivers for violations of Major and Minor thresholds.

## Department of Human Services Telematics Success



**Note:** Department of Human Services has implemented in-cab speeding alerts to curb driver behavior. They also use the driver speeding infractions for their Driver Safety Committee. Less erratic driver increase MPG and decreases fuel costs for the department.



**Note:** Work order cost has significantly decreased with the installation of telematics. DHS now closely monitors and discourages speeding events. Less aggressive driving results in lower maintenance costs and a reduced cost per mile on the vehicle.

**ACTION TAKEN**

Decrease overall pollution output by the state fleet

DPS has moved to the V6 Ford as the primary patrol SUV

Decrease total miles driven annually by state vehicles

Monthly reports run on troopers driving more than 4,000 miles each month and disseminated to field lieutenants. Field lieutenants then analyzed each trooper's work and need to drive these significant distances. Corrective action is taken where appropriate.

Decrease cost per mile

Data pulled on fueling at commercial sites vs. State fuel pumps. Monthly reports sent to field lieutenants on troopers regularly fueling at commercial sites and also those unnecessarily using mid-grade / premium fuel. An active effort by all to determine location of available State fuel pumps as well as dissemination of these locations to troopers. The result of a nearly 30% decrease in commercial fuel purchases and near-total elimination of mid-grade / premium fuel purchases. Cost savings projected to near \$25,000 per month.

**GOAL**

Decrease cost per mile

DPS will continue to monitor fuel purchase location (State site vs. commercial) and fuel type purchased to reduce overall costs. We will run monthly reports on both and require section lieutenants to develop a plan to ensure, where possible, troopers are fueling at State sites and purchasing the appropriate grade of fuel for their vehicle. After beta testing is completed, all DPS employees will be required to download the DAS Fleet app on State phones.

Decrease total miles driven annually by state vehicles

DPS will evaluate monthly usage of patrol vehicles and identify which troopers can be more efficient in their activities and reduce total miles driven. Individual section commanders will determine if usage is excessive and what mitigating steps should be taken.

Educate drivers of their accountability on implementing cost reduction measures

All DPS employees will receive training regarding Fleet costs and their potential to positively impact the DPS budget by taking simple steps to reduce costs.

**ACTION TAKEN**

Decrease total gallons of fuel consumed by state vehicles

Unable to reach or keep track of this goal. During the time frame for this goal, we had employee turnover in the Fleet Coordinator position that resulted in a general lack of follow-through and communication between outgoing and incoming Fleet Coordinators.

Decrease overall pollution output by the state fleet

This goal was also not met due to the first goal explanation

**GOAL**

Decrease cost per mile

We can achieve this goal by staying on top of maintenance reports from the fleet and by running the check engine light report monthly to ensure all fleet vehicles are running at optimal performance.

Increase overall miles per gallon

DTS recently added a new policy, Safety and Loss Prevention of State Vehicle, that went into effect on 10/01/2019. Through this policy, we will start enforcing the standards which will cut down on aggressive driving. We also have the Automotive Idling Reduction Policy that we can enforce to cut down on idle times. We will utilize Geotab to track our goals.

**ACTION TAKEN**

Decrease overall pollution output by the state fleet

As a department, we have tightened the control on the leased vehicles that were past their AR expiration date. By doing this, we have eliminated 100 plus vehicles off the roads.

Decrease overall pollution output by the state fleet

After reviewing the GPS data activity, we have been able to move high emissions equipment to outlying areas and out of the Wasatch Front.

Right-size your vehicle type

We have encouraged not only the Department of Transportation at the Cal Rampton complex personnel to use the UDOT motor pool and Enterprise options, but we have also extended that to the surrounding agencies.

**GOAL**

Decrease number of state vehicles

After working with the DEQ, we have created an action plan to eliminate older snowplow vehicles out of the Wasatch Front. Newer vehicles from the rural areas will be traded out with replacement vehicles, where the need is more significant to the emissions plan.

Decrease total gallons of fuel consumed by state vehicle

As a department and as an agency, we have utilized video conferencing and phone conferencing when possible. UDOT covers the entire state, and we have the conference rooms available to be able to reduce the use of a state vehicle. We are continuing to upgrade other meeting areas where that is a good middle point.

**ACTION TAKEN**

Decrease overall pollution output by the state fleet

Our agency has continued to promote our Idle Free policy and require bi-annual refresher training to be completed at the same time the Defensive Driver Training is retaken.

Right-size your vehicle type

While our agency has continued to expand the fleet based on operational needs, we have ensured that we are purchasing vehicles that are both the proper size, and operate more efficiently than previous models

**GOAL**

Educate drivers of their accountability on implementing cost reduction measures

Our agency intends to implement an initial required training that informs drivers of their responsibility to achieve cost reduction measures and then ensure that the training is completed biannually at the same time as the Defensive Driver training.

Decrease total gallons of fuel consumed by state vehicles

Our Agency is preparing to initiate video claims assistance for veterans who are unable to travel or live in rural areas, thereby reducing the total gallons of fuel consumed by our Fleet vehicles.

Decrease total miles driven annually by state vehicles

Our agency is preparing to initiate video claims assistance for veterans who are unable to travel or live in rural areas, thereby reducing the total miles driven annually by our fleet vehicles.

**ACTION TAKEN**

Right-size your vehicle type

Distributed fleet vehicles to best meet the department needs. A few vehicles were upgraded to 4-wheel drive to accommodate necessary travel through mountain passes.

**GOAL**

Right-size your vehicle type

A thorough evaluation of existing vehicle assignments. We plan to order the most economical size and type of vehicle while still considering the vehicle purpose and driving conditions.

**ACTION TAKEN**

Decrease total gallons of fuel consumed by state vehicles

Monitoring idle times through Geotab, we have set up alert timers, so the alarm sounds after a maximum idle time of 5 minutes.

Right-size your vehicle type

We are still studying the types of vehicles that are used more frequently; those that are underutilized will be replaced with an appropriate size vehicle.

**GOAL**

Right-size your vehicle type

Our plan right now is to replace a few minivans with Transit vans, as it appears the majority of renters need larger vehicles with seating up to 12. We are hoping to accomplish this within the next 6 - 9 months.

Decrease total miles driven annually by state vehicles

To replace a couple of minivans with 12 passenger transit vans, this will allow one group to travel in a single-vehicle rather than two.

**ACTION TAKEN**

Right-size your vehicle type

To economize our usage of vehicles for local meetings and in-state travel that require fewer employees, the Tourism Office switched from a Chevrolet Suburban to a Subaru Forester. The new vehicle has better fuel efficiency and is less intimidating and easier to use for some employees that need a vehicle for in town meetings

**GOAL**

Decrease total miles driven annually by state vehicles

Provide access to an electric bike, green bike passes, and reimbursement for scooters to encourage employees to take alternative transportation when going to meetings around Salt Lake City

Decrease total gallons of fuel consumed by state vehicles

Encourage employees to carpool when traveling.

**ACTION TAKEN**

Decrease total gallons of fuel consumed by state vehicles

Management used the investigator's place of residence when assigning cases, therefore having them visit the case addresses either on their way to work or on their way to other business. This enabled our agency to be more efficient in reducing how many miles we Drove

Increase overall miles per gallon

Provide driver education training to help each driver understand the need to drive more efficiently and explain the benefits of vehicle maintenance. Through this training, our employees will be more focused on achieving better mileage

**GOAL**

Decrease overall pollution output by the state fleet

Our investigators work 10-hour tours and avoid the bulk of traffic. Our investigators have been instructed on the negative aspect of idling. During surveillance operations, they are encouraged to turn their vehicles off

Educate drivers of their accountability on implementing cost reduction measures

Each investigator has been trained to understand the importance of responsibility for their actions in regards to vehicle use. Each investigator understands the importance of protecting and reducing costs for their vehicles.

**ACTION TAKEN**

Decrease cost per mile

LC has replaced an older mid-side vehicle with a standard size fuel-efficient hybrid.

Decrease overall pollution output by the state fleet

LC utilizes two CNG vehicles and eleven hybrid vehicles to maximize efficiency in lowering cost per mile and lowering vehicle pollution emissions

Decrease total miles driven annually by state vehicles

LC drivers have endeavored to plan inspection trips efficiently to make good use of time and minimizes miles driven. LC divisions measure the efficiency of their processes. The boiler/pressure vessel inspection section has a 229% efficiency increase - the elevator inspection section a 32% increase.

**GOAL**

Decrease overall pollution output by the state fleet

Continue to remind and educate state vehicle operators of Governor Herbert's 2012 executive order: automotive idling reduction. LC drivers will limit the amount of time completing paperwork and computer data entry in the vehicle to reduce idling time.

Decrease total miles driven annually by state vehicles

LC drivers will plan inspection trips efficiently to make good use of time and minimize miles driven.

Decrease cost per mile

LC utilizes eleven hybrid vehicles and two CNG vehicles to maximize efficiency in lowering cost per mile and lowering vehicle pollution emissions.

**ACTION TAKEN**

Decrease overall pollution output by the state fleet

Installed seven electric vehicle charging stations. Reduced car emissions for all EV fleet vehicles and student/staff EVs.

Decrease number of state vehicles

We have removed four vehicles from our fleet.

Decrease cost per mile

Replaced three (3) vehicle with hybrid vehicles and replaced a shuttle bus with a newer shuttle bus with better MPG

Decrease overall pollution output by the state fleet

Working with all drivers to decrease their idling time. Through the use of GeoTab for tracking.

Right-size your vehicle type

We have removed some of the vehicles that were not being used, replaced other vehicles with a smaller vehicle and hybrid vehicles. Replace an older smaller shuttle bus with a newer shuttle bus with the right number of seats. This has eliminated the use of two shuttles with drivers with one (1) shuttle bus with one driver that also has a high mpg compared with the other smaller shuttles. We are still working on founding to replace other vehicles within the fleet to continue our goal of right-sizing our vehicles by reducing the size of the vehicle, more fuel-efficient, and proper staff placement to eliminate additional vehicles within the college fleet.

**GOAL**

Decrease total gallons of fuel consumed by state vehicles

2 EV charging stations are in progress of being installed. These reduce gallons of fuel used with a fuel switch to electricity.

Decrease overall pollution output by the state fleet

2 EV charging stations are in progress of being installed with a plan to keep adding additional EV charging stations. EV's reduce the overall pollution by reducing car emissions.

Decrease overall pollution output by the state fleet

Decreasing total pollution output by limiting idling time, this will be tracked through GeoTab. And educate the drivers to reduce the idling time.

Increase overall miles per gallon

Decrease idling time, aggressive driving, and replace vehicles that less fuel-efficient.

**ACTION TAKEN**

Decrease number of state vehicles

Due to the increase in the need to travel and transport equipment, our fleet increased by one vehicle this past year. We have also encouraged many to share the usage of vehicles between departments to increase the mileage per vehicle.

Right-size your vehicle type

When cars are reserved, I ask the number of passengers and then give them the best vehicle per need. This has helped to increase usage of the smaller compact cars.

**GOAL**

Decrease cost per mile

Assign out vehicles according to the capacity and purpose of travel. Also, encourage carpooling. Keep the vehicle maintained and educate drivers on good driving habits.

Decrease total gallons of fuel consumed by state vehicles

Educate drivers on idling, using cruise control, and air control. Also, keep the vehicle filters and tires maintained.

**ACTION TAKEN**

Decrease number of state vehicles	We have removed several older, higher mileage vehicles from the campus fleet.
Right-size your vehicle type	Several older buses have been removed from our Head Start operation and replaced with smaller, more efficient vehicles.
Decrease overall pollution output by the state fleet	Encouraged drivers to not let the vehicle idle in the wintertime

**GOAL**

Decrease number of state vehicles	Work with campus departments to surplus under-utilized vehicles and only replace vehicles that are absolutely necessary
Right-size your vehicle type	Replace some campus work trucks with utility carts rather than full-size vehicles.

**ACTION TAKEN**

Increase overall miles per gallon

Ensured travel & acceleration at lower speeds to reduce fuel consumption.

Decrease total miles driven annually by state vehicles

Took public transit to the office when possible, subject to the meeting schedule.

**GOAL**

Increase overall miles per gallon

Ensure travel and acceleration at lower speeds to reduce fuel consumption.

Decrease total miles driven annually by state vehicles

Attempt to take public transit to the office when possible, dependent upon meeting schedule.

**ACTION TAKEN**

Decrease total gallons of fuel consumed by state vehicles	The tax commission has accepted hybrid vehicles during replacement periods to decrease overall gallons consumed by Tax Commission vehicles.
Decrease total miles driven annually by state vehicles	The Tax Commission has encouraged teleconferencing whenever possible to minimize total miles driven, pollution, and gallons consumed.
Decrease overall pollution output by the state fleet	The Tax Commission has accepted hybrid vehicles during the replacement period, and this decreased the department's total pollution.

**GOAL**

Decrease overall pollution output by the state fleet	By accepting hybrid vehicles during the replacement period, this should decrease the Tax Commissions' total pollution.
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**ACTION TAKEN**

Decrease overall pollution output by the state fleet

Continued to follow the No Idle Mandate.

**GOAL**

Decrease cost per mile

We will provide proper preventative maintenance in a timely manner to reduce costs.

**ACTION TAKEN**

Right-size your vehicle type	Purchased smaller more fuel-efficient vehicles in 6 of the vehicles purchased last year
Decrease number of state vehicles	Started pilot program using Geo Tab telematics solution for 50 vehicles in the fleet. Started capturing utilization data beyond mileage-based standards
Decrease overall pollution output by the state fleet	Purchased two electric busses
Decrease total gallons of fuel consumed by state vehicles	Purchased two light-duty electric vehicles
Decrease total gallons of fuel consumed by state vehicles	purchased four hybrid vehicles

**GOAL**

Decrease overall pollution output by the state fleet	Reduce idle time by better monitoring through telematics
Decrease cost per mile	Switch to full synthetic oil to reduce the frequency of oil changes
Decrease overall pollution output by the state fleet	purchase hybrid, and electric vehicles and utilize MPG as part of the vehicle selection criteria on replacement vehicles
Decrease number of state vehicles	Fully implement telematics in the University fleet to more easily identify underutilized vehicles
Right-size your vehicle type	Ensure each vehicle purchased is the correct size for the intended use.

**ACTION TAKEN**

Decrease cost per mile

Utilizing GeoTab analytics, we have researched the usage and used the data to reduce speeding violations. We have seen a sharp decrease in speeding in general. When telematics was first installed, we would receive notifications of upwards of 20 per day. Now we see closer to 20 a month.

Decrease cost per mile

We have used the route data from GeoTab to determine the number of vehicles tracking the same path but loaded with only one person. We have instituted a procedure that requires more carpooling to limit the number of vehicles used inefficiently.

Decrease overall pollution output by the state fleet

Utilizing the telematics, we have been able to identify the largest "offenders" in idling. We have decreased the number of idling vehicles and the idling time to reduce overall pollution.

**GOAL**

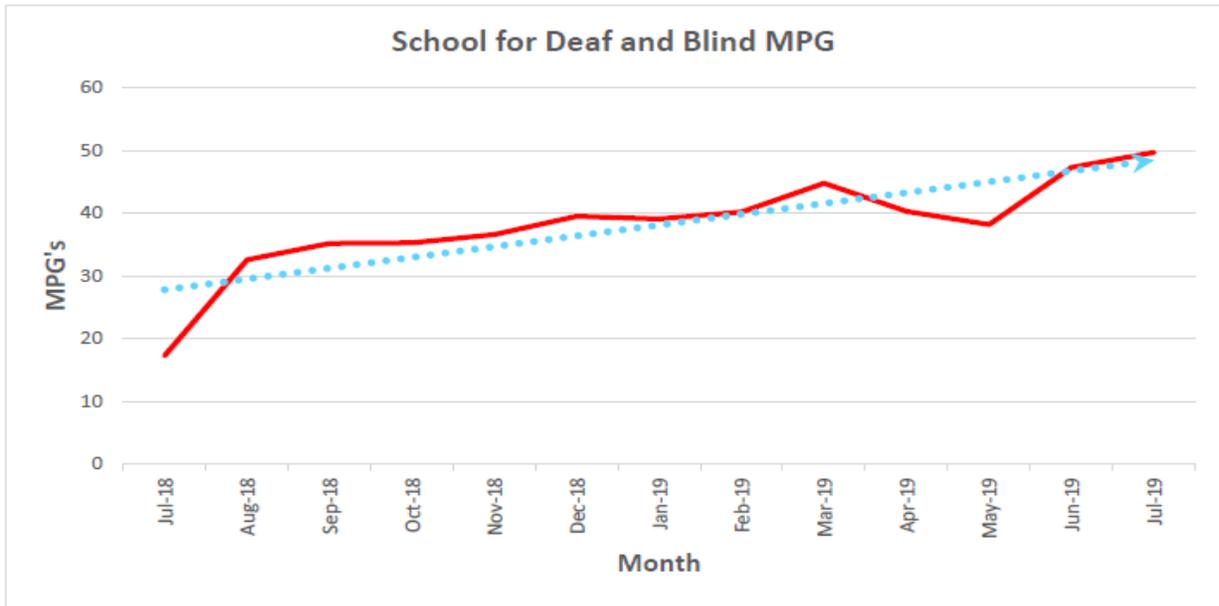
Right-size your vehicle type

We will evaluate the usage of our fleet vehicles to determine if the type of vehicle is accurate. We will assess the load carried by each vehicle during the trips to understand better what size vehicle is needed.

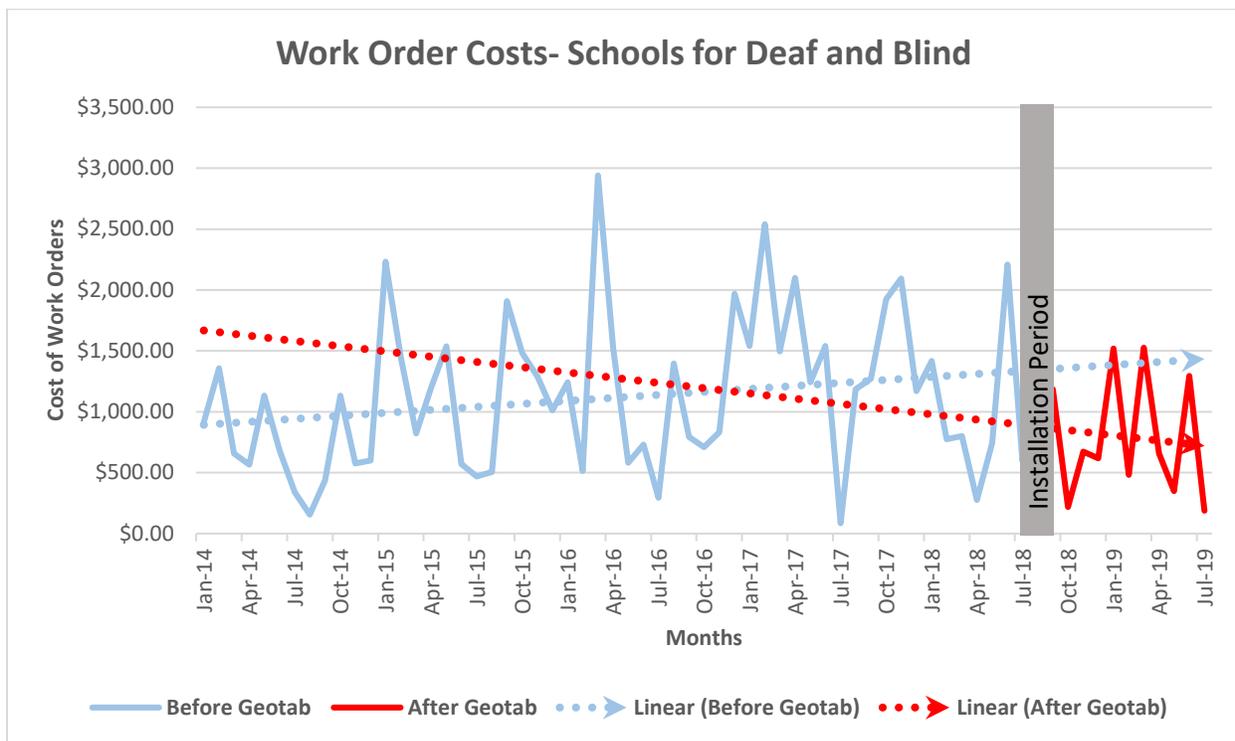
Educate drivers of their accountability on implementing cost reduction measures

We will be achieving more transparency in our telematics review and enforcement to help educate our staff on their impact on reducing costs.

## Utah Schools for the Deaf and the Blind Telematics Success



**Note:** MPG has increased with the installation of telematics. Schools for the Deaf and the Blind now closely monitors and discourages speeding events. Less aggressive driving results in higher MPG and lower cost per mile on the vehicles.



**Note:** Work order costs have decreased with the installation of Geotab and the monitoring of driver speeding violations. Lower work order costs result in a lower cost per mile on the vehicles.

**ACTION TAKEN**

Increase overall miles per gallon	Purchase of more efficient vehicles and encouraged other departments to do so as well.
Right-size your vehicle type	All departments were encouraged to select vehicles to suit needs rather than generic purchases.
Decrease cost per mile	Encouraged carpooling when possible. Reduced single passenger trips.

**GOAL**

Decrease number of state vehicles	Identify departments that have under-utilized vehicles and encourage them to surplus them.
Decrease cost per mile	Notify all departments monthly of preventative maintenance for vehicles.
Right-size your vehicle type	Continue the purchase of high mpg vehicles and hybrid models.

**ACTION TAKEN**

Decrease total gallons of fuel consumed by state vehicles

We have encouraged carpooling to decrease gallons of fuel consumed by state vehicles. Also, we have upgraded our video conferencing system for state meetings in our conference room.

Decrease overall pollution output by the state fleet

We have encouraged our employees not to leave state cars running (no Idle) to conserve gasoline usage and pollution control.

**GOAL**

Right-size your vehicle type

Bridgerland is purchasing efficient vehicles to meet the needs of our faculty and staff to use.

**ACTION TAKEN**

Decrease cost per mile

Davis Technical College, through education, provided training to help reduce vehicle operating costs. By reducing vehicle engine idle time, driving fewer miles, use carpool, avoid rush hour, and conduct proper maintenance.

Right-size your vehicle type

Davis Technical College purchased new efficient vehicles to meet the needs of our faculty and staff.

**GOAL**

Decrease cost per mile

Davis Technical College, through education, will continue providing training to help reduce vehicle operating costs. By reducing engine idle, driving fewer miles, use carpool, avoid rush hour, and conduct proper maintenance.

Right-size your vehicle type

Davis Technical College purchases new efficient vehicles to meet the needs of our faculty and staff.

**ACTION TAKEN**

This is our first year submitting this report

**GOAL**

Decrease total miles driven annually by state vehicles

We will start by creating a baseline in the year 2020. On January 1, 2020 we will record the mileage on each of our fleet vehicles. The miles driven for the year will serve as a baseline for our school to compare total miles driven for the subsequent year. We will work on combining trips, carpooling, etc. in order to decrease the total miles driven annually.

**ACTION TAKEN**

Decrease overall pollution output by the state fleet

Practiced no idle policy

Decrease total miles driven annually by state vehicles

Carpooled when possible

**GOAL**

Increase overall miles per gallon

Practice travel and acceleration at lower speeds

Decrease total miles driven annually by state vehicles

Carpool when possible

**ACTION TAKEN**

There were not any goals set for the previous year, due to an oversight on the department's fleet manager that is no longer in the position.

**GOAL**

Decrease overall pollution output by the state fleet

Implement idle-free policy in all our fleet vehicles

Decrease total gallons of fuel consumed by state vehicles

Implement better tracking with logbooks and monitoring gas usage and receipts. Oversee that all scheduled PM's are completed on all fleet vehicles.

**ACTION TAKEN**

The college had no idea these goals existed until 08/01/2019. We will work in the future to reach these goals and adjust as needed.

**GOAL**

Decrease number of state vehicles

Updated Fleet Focus System and deactivated surplused vehicles from our Fleet Vehicle List that are no longer in our possession. Repurposed other vehicles to their appropriate designation, such as "components" and "training" vehicles.

Right-size your vehicle type

Continue to work with departments to ensure that the proper size vehicle is purchased for the most cost-effective use.

Decrease cost per mile

Continue to work with departments to consolidate trips that prevent multiple vehicle usage, which will decrease cost per mile.

Decrease total gallons of fuel consumed by state vehicles

Continue to work with departments in video conferencing for meetings to reduce miles driven. Also looking into GeoTab Systems for vehicles.

Increase overall miles per gallon

Looking into GeoTab Systems to reduce idle times. Also looking to continue replacing older higher-mileage vehicles with more efficient models.

Educate drivers of their accountability on implementing cost reduction measures

Continue to educate employees of their accountability on implementing cost reduction measures when using Fleet vehicles.

**ACTION TAKEN**

Decrease overall pollution output by the state fleet

We have trained all drivers on the no-idle policy.

Decrease total miles driven annually by state vehicles

Mileage driven was reduced by 6% from the prior year.

**GOAL**

Decrease total miles driven annually by state vehicles

College employees will carpool as much as possible.

Decrease overall pollution output by the state fleet

The College will work towards replacing older Semi Trucks with cleaner Tier 3 models.

Educate drivers of their accountability on implementing cost reduction measures

The College will implement a training course that educates drivers of their accountability on implementing cost reduction measures.

**ACTION TAKEN**

Decrease total miles driven annually by state vehicles

Reduced number of miles driven by carpooling when possible.

**GOAL**

Increase overall miles per gallon

Ensure that employees are current on a defensive driver training course.

Decrease total miles driven annually by state vehicles

Use conference rooms for meetings and carpool when possible.

Educate drivers of their accountability on implementing cost reduction measures

The College will implement a training course that educates drivers of their accountability on implementing cost reduction measures.

**ACTION TAKEN**

Increase overall miles per gallon

We have been able to reduce the time that our vehicles have been idling through our telematics program. We have also been replacing older, higher mileage vehicles with more efficient models. In our Motor Pool, we have replaced three regular sedans with three Toyota Camry Hybrids.

**GOAL**

Right-size your vehicle type

Replace all of our SUVs in our Motor Pool. The V8 Chevrolet Suburbans will be replaced with V6 Ford Transits, which will seat up to 12 and get better gas mileage. Also, continue replacing older, higher mileage sedans with hybrid models.

Decrease number of state vehicles

Throughout the year, look at utilization reports through our telematics program and surplus vehicles that are underutilized.

**ACTION TAKEN**

Right-size your vehicle type

During the last fiscal year, Weber State University decommissioned and sold three large diesel-powered buses. Currently, there is only one diesel-powered bus left in our fleet. This bus is only used during peak hours of our shuttle bus system and for large conferences/events, where the extra capacity is needed. During off-peak hours and smaller conferences/events, we are using a fully electric bus and CNG buses.

**GOAL**

Increase overall miles per gallon

During the next fiscal year, Weber State University will be selling older gasoline vehicles and replacing them with plug-in hybrids. This will increase our mpg by using more efficient vehicles that can run on battery power.

Decrease cost per mile

Currently, we are performing inspections every 3000 miles or 12 months on our fleet vehicles. This mileage no longer meets manufacture maintenance intervals. We are going to extend our mileage to 5000. This will help decrease our cost per mile by reducing unnecessary labor and material cost.

## **No Responses Received from the Departments Below**

DEPARTMENT OF NATURAL RESOURCES

GOVERNOR'S OFFICE

GOVERNOR'S OFFICE OF ENERGY DEVELOPMENT

JUDICIAL BRANCH

NAVAJO TRUST ADMINISTRATION

PUBLIC LANDS POLICY COORDINATION OFFICE

UTAH NATIONAL GUARD