



# Cost Efficiency Report

## 2018



**ACTION TAKEN**

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 AMOUNT OF TAIL PIPE EMISSIONS LIKE VOLATILE ORGANIC COMPOUNDS (VOCS), CARBON MONOXIDE (CO) AND OXIDES OF NITROGEN (NOX). THESE EMISSIONS ARE KNOWN TO CONTRIBUTE TOWARDS AIR POLLUTION AND SMOG. REDUCED IDLING ALSO INCREASES MPG. SEE CHART

INCREASE OVERALL MILES PER GALLON

BY USING FLEET OPERATION'S TELEMATICS PILOT PROGRAM TO ALERT DRIVERS TO IDLING AND SPEEDING, WE HAVE SEEN AN INCREASE IN MPG'S. SEE CHART

**GOAL**

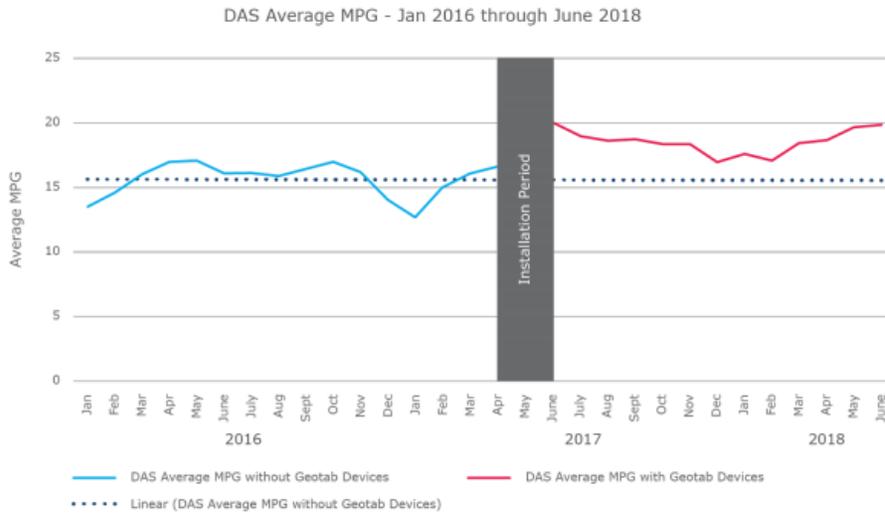
DECREASE OVERALL POLLUTION OUTPUT BY THE STATE FLEET

CONTINUE TO REDUCE IDLE TIME PER VEHICLE THROUGH FLEET OPERATION'S TELEMATICS PILOT PROGRAM. WORK ON UTILIZING THE HARSH CORNERING, HARSH BRAKING, HARD ACCELERATION PROGRAMS AVAILABLE IN OUR GEOTAB SYSTEM. THIS WILL POSTIVELY IMPACT TAILPIPE EMISSIONS.

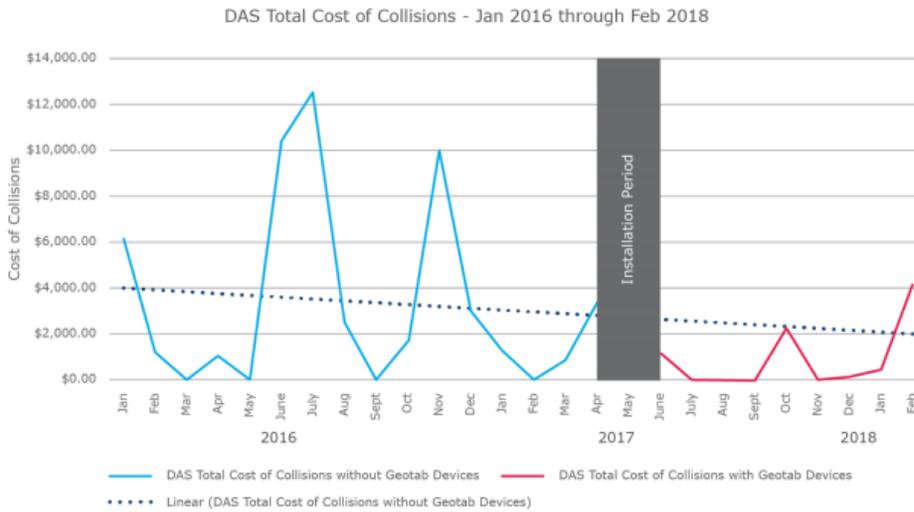
RIGHT-SIZE YOUR VEHICLE TYPE

REPLACING FOUR (4) DAS FLEET TRUCKS THAT ARE 4X2 WITH 4X4 MODELS. THIS WILL INCREASE THE RESALE VALUE. WE HAVE FOUND THAT 4X2 TRUCKS HAVE A MUCH LOWER RESALE VALUE WHEN COMPARED TO 4X4 TRUCKS.

# DAS Geotab Telematics Success



**Note:** The DAS instituted a real-time in-cab alert for idling for more than 3 minutes, and an additional in-cab notification for speeding greater than 10 MPH over the posted speed limit for greater than 1 minute, speeding greater than 85 MPH and speeding 20 MPH over the posted speed limit.



**Note:** The DAS has a constant seatbelt beeping on for passenger and driver.

**ACTION TAKEN**

DECREASE NUMBER OF STATE VEHICLES

SOME ANALYSIS OF THE CURRENT VEHICLES IN THE DEPARTMENT HAS OCCURRED. DUE TO INCREASING DEMANDS FOR INSPECTIONS, AND ADDITIONAL PROGRAMS, THE DEPARTMENT HASN'T BEEN ABLE TO REDUCE THE NUMBER OF VEHICLES. IN FACT, THE NUMBER HAS INCREASED. THE DEPARTMENT HAS MADE CHANGES TO INCREASE USAGE, ROTATING LOW MILEAGE VEHICLES TO INDIVIDUALS THAT TRAVEL MORE TO INCREASE USAGE.

**GOAL**

RIGHT-SIZE YOUR VEHICLE TYPE

CURRENTLY THE DEPARTMENT HAS SEVERAL TOYOTA PRIUS CARS. MOST OF OUR INSPECTORS INSPECT AREAS OF THE STATE THAT ARE RURAL OR IN REMOTE LOCATIONS. THE DEPARTMENT PLANS TO EVALUATE THE NEED FOR RIGHT-SIZING VEHICLE TYPES TO ACCOMMODATE THOSE INSPECTORS THAT CURRENTLY HAVE A PRIUS ASSIGNED TO ALLOW THEM TO HAVE A SMALL SUV OR TRUCK TO ACCESS REMOTE SITES.

**ACTION TAKEN**

RIGHT-SIZE YOUR VEHICLE TYPE

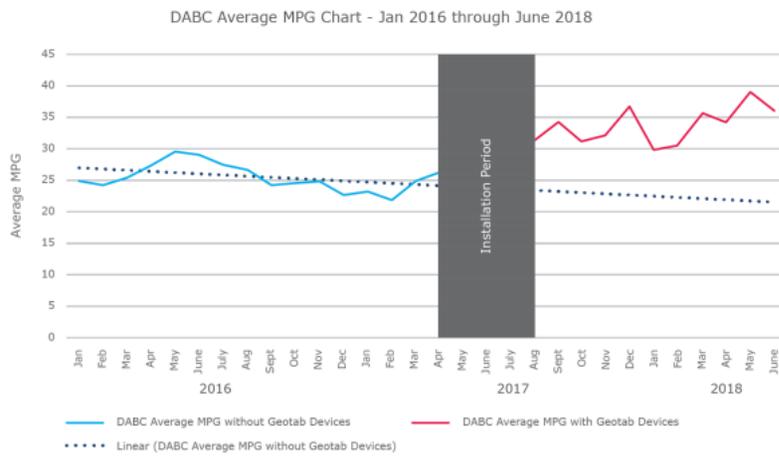
WHILE WE DID HAVE TO ADD ANOTHER VEHICLE THIS YEAR, WE WILL BE MAKING SURE THAT THE VEHICLES WE HAVE ARE SIZED CORRECTLY FOR THE DUTIES WE ARE PERFORMING.

**GOAL**

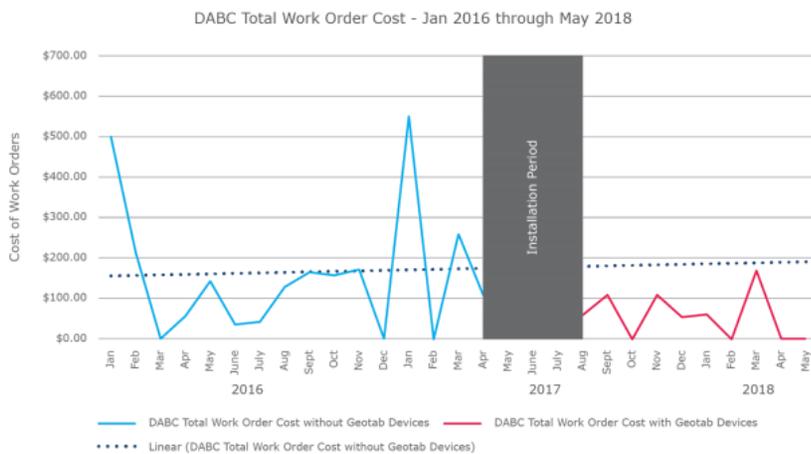
DECREASE TOTAL MILES DRIVEN ANNUALLY BY STATE VEHICLES

TO REACH THIS GOAL, WE WILL HAVE ALL OF OUR DRIVERS USE THE VEHICLES TO CONDUCT AS MUCH BUSINESS AS POSSIBLE EACH TIME THEY ARE OUT.

**DABC Geotab Telematics Success**



**Note:** The DABC has real-time in-cab alerts of 10 rapid beeps for speeding greater than 25 MPH over the posted speed limit and greater than 95 MPH.



**Note:** DABC configured their telematics devices to notify supervisors of check engine lights, low battery, and device removal.

**ACTION TAKEN**

RIGHT-SIZE YOUR VEHICLE TYPE

THE UTAH STATE BOARD OF EDUCATION HAS BEEN ABLE TO RIGHT-SIZE ITS FLEET BY ADDING A MINIVAN TO THE POOL FOR LARGER GROUPS/CARPOOLING. AS A RESULT, THE AGENCY SAVES ON GAS AND EMISSIONS BY ONLY TAKING ONE VEHICLE INSTEAD OF SEVERAL. DURING THE LEGISLATIVE SESSION, THE MINIVAN IS ALSO USED A SHUTTLE TO TRANSPORT MULTIPLE STAFF TO LEGISLATIVE MEETINGS THROUGHOUT THE DAY. THIS REDUCES THE NUMBER OF INDIVIDUAL VEHICLE RUNNING DURING A TIME WHEN UTAH HAS SOME OF ITS WORST AIR QUALITY.

DECREASE OVERALL POLLUTION OUTPUT BY THE STATE FLEET

THE UTAH STATE BOARD OF EDUCATION INSTALLED GEOTAB UNITS, FROM FLEET OPERATIONS TELEMATICS PILOT PROGRAM, IN EACH OF THE AGENCY FLEET VEHICLES. ALERTS FROM THE GEOTAB UNIT REMINDS A DRIVER WHEN A VEHICLE HAS IDLED FOR TOO LONG AND/OR IF A DRIVER IS GOING FASTER THAN THE POSTED SPEED LIMIT. REDUCED IDLING AND REDUCED SPEED HELPS TO REDUCE BAD AIR. THE GEOTAB UNITS ALSO HELP TO KEEP DRIVERS SAFE.

**GOAL**

DECREASE OVERALL POLLUTION OUTPUT BY THE STATE FLEET

THE UTAH STATE BOARD OF EDUCATION (USBE) HAS BEEN REPLACING ITS VEHICLES WITH HYBRID MODELS AS THE REPLACEMENT CYCLE COMES AROUND. THIS YEAR, THE USBE WILL CONTINUE TO EXCHANGE WITH HYBRID MODELS WHENEVER POSSIBLE.

**ACTION TAKEN**

INCREASE OVERALL MILES PER GALLON

WE HAVE REQUESTED HYBRIDS TO REPLACE OUR OLDER VEHICLES AND ALSO MAINTAINED FLEET VEHICLES WITH REGULAR OIL AND FILTER CHANGES.

**GOAL**

DECREASE OVERALL POLLUTION OUTPUT BY THE STATE FLEET

BY INTALLING FLEET OPERATION'S TELEMATIC UNITS IN EACH OF OUR FLEET VEHICLES, DRIVERS WILL BE ALERTED WHEN A VEHICLES HAS BEEN IDLING FOR TOO LONG WHICH SHOULD CAUSE THE CAR TO BE TURNED OFF AND DECREASING POLLUTION OUTPUT.

DECREASE COST PER MILE

CONSOLIDATED TRIPS THAT PREVENTED MULTIPLE VEHICLE USAGE WHICH DECREASED COST PER MILE.

DECREASE COST PER MILE

INSTALLING FLEET OPERATION'S TELEMATIC UNITS IN ALL FLEET VEHICLES. THE GOAL OF THE INSTALLATION IS TO KEEP EMPLOYEES FROM SPEEDING IN THE CARS RESULTING IN GAS SAVINGS.

**ACTION TAKEN**

DECREASE TOTAL GALLONS OF FUEL CONSUMED BY STATE VEHICLES

OUR AGENCY HAS CONTINUED TO IMPLEMENT VIDEO HEARINGS FOR QUALIFYING OFFENDERS HOUSED AT COUNTY JAILS. THIS HAS REDUCED THE PURCHASE OF FUEL BY OUR FLEET VEHICLES.

DECREASE TOTAL MILES DRIVEN ANNUALLY BY STATE VEHICLES

OUR AGENCY HAS CONTINUED TO IMPLEMENT VIDEO HEARINGS FOR QUALIFYING OFFENDERS HOUSED AT COUNTY JAILS. THIS HAS REDUCED MILES DRIVEN ANNUALLY BY OUR FLEET VEHICLES.

**GOAL**

DECREASE TOTAL MILES DRIVEN ANNUALLY BY STATE VEHICLES

CONTINUE TO IMPLEMENT VIDEO HEARINGS FOR QUALIFYING OFFENDERS HOUSED AT COUNTY JAILS, THEREBY REDUCING TRAVEL TO CONDUCT THE HEARINGS.

DECREASE TOTAL GALLONS OF FUEL CONSUMED BY STATE VEHICLES

CONTINUE TO IMPLEMENT VIDEO HEARINGS FOR QUALIFYING OFFENDERS HOUSED AT COUNTY JAILS, THEREBY REDUCING TRAVEL TO CONDUCT THE HEARINGS.

**ACTION TAKEN**

DECREASE TOTAL GALLONS OF FUEL CONSUMED BY STATE VEHICLES

I HAD NO IDEA THESE GOALS EXISTED UNTIL 10/15/18, WE WILL WORK IN THE FUTURE TO REACH THESE GOALS AND ADJUST AS NEEDED.

DECREASE COST PER MILE

I HAD NO IDEA THESE GOALS EXISTED UNTIL 10/15/18, WE WILL WORK IN THE FUTURE TO REACH THESE GOALS AND ADJUST AS NEEDED.

RIGHT-SIZE YOUR VEHICLE TYPE

I HAD NO IDEA THESE GOALS EXISTED UNTIL 10/15/18, WE WILL WORK IN THE FUTURE TO REACH THESE GOALS AND ADJUST AS NEEDED.

DECREASE NUMBER OF STATE VEHICLES

I HAD NO IDEA THESE GOALS EXISTED UNTIL 10/15/18, WE WILL WORK IN THE FUTURE TO REACH THESE GOALS AND ADJUST AS NEEDED.

DECREASE TOTAL MILES DRIVEN ANNUALLY BY STATE VEHICLES

I HAD NO IDEA THESE GOALS EXISTED UNTIL 10/15/18, WE WILL WORK IN THE FUTURE TO REACH THESE GOALS AND ADJUST AS NEEDED.

**GOAL**

DECREASE TOTAL GALLONS OF FUEL CONSUMED BY STATE VEHICLES

I AM MONITORING THE GEOTAB SYSTEM FOR EXCESSIVE IDLE TIMES.

RIGHT-SIZE YOUR VEHICLE TYPE

I AM LOOKING TO REPLACE A FEW 7-9 PASSENGER VEHICLES FOR 12-15 PASSENGER TRANSIT VANS SO WE DON T HAVE TWO VEHICLES GOING OUT AT A TIME WHEN ONLY ONE 12 PASSENGER WOULD BE NEEDED. THIS OF COURSE WILL DEPEND ON FUNDING OVER THE NEXT YEAR.

**ACTION TAKEN**

DECREASE NUMBER OF STATE VEHICLES

REMOVED VEHICLES FROM OUR FLEET THAT WERE NOT BEING UTILIZED AND REPURPOSED OTHER VEHICLES TO OTHER AREAS.

**GOAL**

RIGHT-SIZE YOUR VEHICLE TYPE

STILL WORKING ON RIGHT-SIZING VEHICLES BY EACH AREA OF USE, ALONG WITH THE RIGHT-SIZING COMPONENTS FOR BETTER UTILIZATION.

**ACTION TAKEN**

RIGHT-SIZE YOUR VEHICLE TYPE

RECENTLY REMOVED FOUR MINIVANS FROM THE VEHICLE FLEET AND REPLACED THEM WITH TWO VEHICLES INSTEAD.

**GOAL**

DECREASE NUMBER OF STATE VEHICLES

WORK WITH CAMPUS DEPARTMENTS TO REMOVE OLDER, HIGHER-MILEAGE VEHICLES FROM THE FLEET.

**ACTION TAKEN**

DECREASE COST PER MILE

STARTED USING COST MEASURES AS A FACTOR INTO PURCHASING REPLACEMENT VEHICLES TO LOOK AT OVERALL COST OF OWNERSHIP.

DECREASE OVERALL POLLUTION OUTPUT BY THE STATE FLEET

REPLACED 10 STANDARD VEHICLES WITH HYBRIDS.

**GOAL**

DECREASE OVERALL POLLUTION OUTPUT BY THE STATE FLEET

PURCHASE 2 ELECTRIC BUSES AND 2-3 CNG BUSES FOR THE FLEET.

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 TOTAL GALLONS OF FUEL CONSUMED BY STATE VEHICLES

START USING TELEMATICS DEVICES TO TRACK IDLE TIME ON VEHICLES.

DECREASE NUMBER OF STATE VEHICLES

START USING TELEMATICS DATA AS A FACTOR IN UTILIZATION.

DECREASE TOTAL GALLONS OF FUEL CONSUMED BY STATE VEHICLES

CONTINUE TO UTILIZE ELECTRIC AND HYBRID VEHICLES WHERE POSSIBLE.

**ACTION TAKEN**

INCREASE OVERALL MILES PER GALLON

DECREASED FUEL USE BY HAVING EMPLOYEES DRIVE SMALLER VEHICLES WHEN TRAVELING WITH 3 OR FEWER PEOPLE.

RIGHT-SIZE YOUR VEHICLE TYPE

PLAN TO PURCHASE MORE MINI-VANS TO INCREASE THE NUMBER OF OCCUPANTS PER VEHICLE, THUS REDUCING THE NUMBER OF VEHICLES.

DECREASE COST PER MILE

ENCOURAGE DRIVERS TO REDUCE IDLE TIME. AVOID RUSH HOUR TRAFFIC. USE THE LOW OCTANE FUEL ON REFUELS.

**GOAL**

RIGHT-SIZE YOUR VEHICLE TYPE

SURPLUS SOME LARGER V-8 VEHICLES AND REPLACED WITH MID-SIZE V-6 SUVs.

INCREASE OVERALL MILES PER GALLON

PURCHASING ADDITIONAL HYBRID OR HIGH MPG VEHICLES.

DECREASE COST PER MILE

ENCOURAGE CAR POOLING WHEN POSSIBLE. USE HYBRID CARS FOR SINGLE DRIVERS. MINI VANS FOR MULTIPLE PASSENGERS. TRY TO ASSIGN THE VEHICLES FOR GROUP OR SINGLE NEEDS.

**ACTION TAKEN**

RIGHT-SIZE YOUR VEHICLE TYPE

BEFORE TRIPS ARE TAKEN IN OUR MOTOR POOL VEHICLES, WE REQUEST TOTAL NUMBER OF OCCUPANTS AND PURPOSE OF THE TRIP. WE THEN ASSIGN VEHICLES ACCORDINGLY SO LARGER VEHICLES ARE NOT TAKEN WHEN A SEDAN WOULD BE SUFFICIENT.

**GOAL**

INCREASE OVERALL MILES PER GALLON

REDUCE IDLE TIME THROUGH OUR TELEMATICS PROGRAM. ALSO CONTINUE REPLACING OLDER, HIGHER-MILEAGE VEHICLES WITH MORE EFFICIENT MODELS.

**ACTION TAKEN**

RIGHT-SIZE YOUR VEHICLE TYPE

WE HAVE INCORPORATED AN ELECTRIC POWERED , ZERO EMMISION BUS AND A CHEVROLET BOLT ELECTRIC CAR INTO OUR FLEET.

**GOAL**

RIGHT-SIZE YOUR VEHICLE TYPE

OUR GOAL IS TO REMOVE LARGE DIESEL POWER BUSES FROM THE FLEET AND BEGINE UTILIZING SMALLER MORE EFFICIENT,CLEAN FUEL BUSES (CNG).

**COMMERCE**

**Contact: PETER ANJEWIERDEN**

**ACTION TAKEN**

DECREASE OVERALL POLLUTION  
OUTPUT BY THE STATE FLEET

COMMERCE HAD TWO VERY OLD, 9 YRS +, INEFFICIENT  
VEHICLES, THAT FLEET OPERATIONS SUGGESTED  
UPDATING. THE DEPARTMENT REPLACED THESE TWO  
VEHICLES WITH HYBRIDS. THE REPLACEMENTS HAVE  
MUCH BETTER ECONOMY AND LOWER EMISSIONS.

**GOAL**

DECREASE OVERALL POLLUTION  
OUTPUT BY THE STATE FLEET

INCREASE FLEET HYBRID VEHICLES BY 7% IN 2019.

## CORRECTIONS

Contact: **ROXIE HUNTSMAN**

### ACTION TAKEN

DECREASE TOTAL GALLONS OF FUEL CONSUMED BY STATE VEHICLES

THE DEPARTMENT OF CORRECTIONS CONTINUES TO COORDINATE INMATE TRANSPORTATION BETWEEN COURT, JAILS, AND PRISONS TO MAXIMIZE TRIP EFFICIENCY.

DECREASE TOTAL MILES DRIVEN ANNUALLY BY STATE VEHICLES

THE DEPARTMENT OF CORRECTIONS IMPLEMENTED AN ELECTRONIC COMMUNICATION PROCESS TO ALLOW DOCUMENTS AND OTHER MATERIAL TO BE DELIVERED ELECTRONICALLY, WHERE POSSIBLE, INSTEAD OF BEING HAND DELIVERED.

RIGHT-SIZE YOUR VEHICLE TYPE

THIS YEAR WE MOVED 5 UNDER-UTILIZED VEHICLES FROM ONE DIVISION TO AREAS IN THE DEPARTMENT WHO WILL BETTER UTILIZE THESE VEHICLES.

INCREASE OVERALL MILES PER GALLON

THE DEPARTMENT OF CORRECTIONS CONTINUES TO ENCOURAGE STAFF TO CAR POOL WHEN EMPLOYEES ARE ATTENDING TRAININGS AND MEETINGS AT THE SAME LOCATION.

DECREASE TOTAL MILES DRIVEN ANNUALLY BY STATE VEHICLES

THE DEPARTMENT OF CORRECTIONS DIVISIONS CONTINUES TO UTILIZE VIDEO CONFERENCING FOR STAFF MEETINGS, TRAINING, AND INMATE HEARINGS.

DECREASE TOTAL MILES DRIVEN ANNUALLY BY STATE VEHICLES

THIS YEAR THE DEPARTMENT OF CORRECTIONS WAS ABLE TO OPEN THE INFIRMARY AT THE GUNNISON PRISON, THUS ELIMINATING THE NEED TO TRANSPORT INMATES TO THE DRAPER PRISON FOR MEDICAL NEEDS. IT IS OUR GOAL TO GET FUNDING FOR ADDITIONAL STAFF TO HAVE THE INFIRMARY FULLY FUNCTIONING, OPEN 24 HOURS A DAY, 7 DAYS A WEEK. WE BELIEVE NEXT YEAR WE WILL SEE DRASTIC SAVINGS IN OUR MILES PER GALLON REPORT.

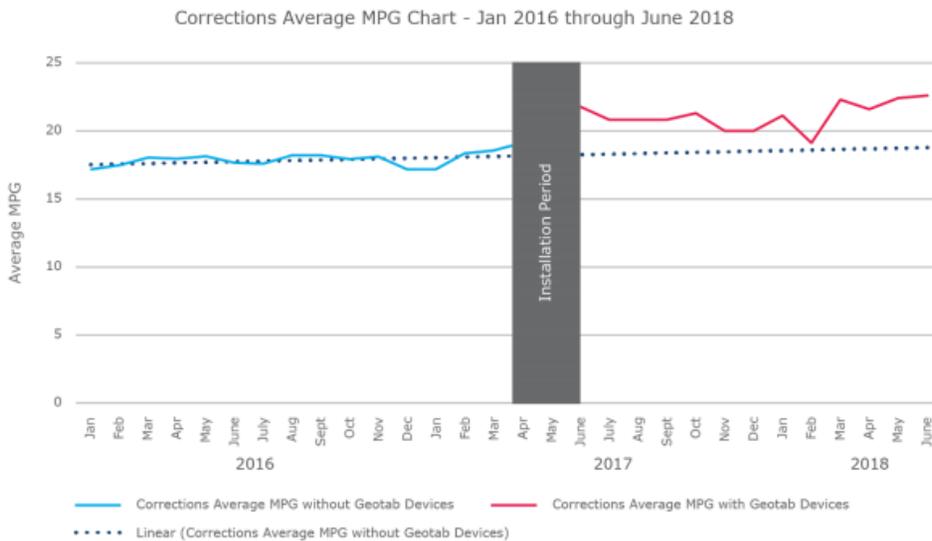
INCREASE OVERALL MILES PER GALLON

THE DEPARTMENT OF CORRECTIONS HAS BEEN UTILIZING FLEET OPERATION'S TELEMATICS IN ALL VEHICLES. SINCE THE IMPLEMENTATION OF THE TELEMATICS PILOT PROGRAM WE HAVE SEEN A DRAMATIC IMPROVEMENT IN OUR MILES PER GALLON. (SEE CHART)

DECREASE TOTAL GALLONS OF FUEL CONSUMED BY STATE VEHICLES

SINCE THE IMPLEMENTATION OF THE FLEET OPERATION'S TELEMATICS PILOT PROGRAM, WE HAVE SEEN A SAVINGS IN THE MAINTENANCE OF OUR VEHICLES. (SEE CHART)

### Corrections Geotab Telematics Success

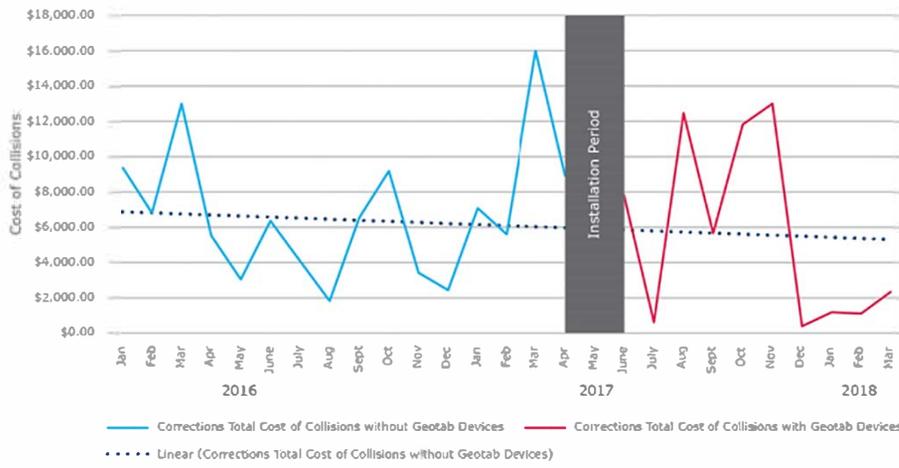


**Note:** Corrections instituted a real-time in-cab alert for speeding 15 MPH over the posted speed limit for more than 30 seconds in September of 2017.



**Note:** Corrections configured their telematics systems to receive an email when the telematics device has been unplugged from the vehicle.

Corrections Total Cost of Collisions - Jan 2016 through Mar 2018



**Note:** Corrections set up a constant beep for seatbelt usage and subsequently replaced it with a 10 rapid real-time in-cab alert for the driver. Finally, 3 rapid beeps for the passenger seatbelt.

## COURTS ADMINISTRATION

Contact: MICHELLE JOHNSON

### ACTION TAKEN

RIGHT-SIZE YOUR VEHICLE TYPE

WE HAVE EXCHANGED OUR CNG, OLDER MODEL VEHICLES, AND LARGER CARGO VANS TO THE MORE EFFICIENT HYBRID MID-SIZED AND COMPACT VEHICLES AS WELL AS SMALLER PASSENGER VANS.

### GOAL

DECREASE COST PER MILE

WE ARE LOOKING AT WAYS WE CAN DECREASE OUR COST PER MILE BY EXCHANGING VEHICLES TO COMPACT AND HYBRIDS VEHICLES. WE CONTINUE TO ENCOURAGE TRIP PLANNING AND CAR POOLING SO WE CAN DECREASE MILEAGE AND THE WEAR AND TEAR OF VEHICLES WHEN MORE THAN ONE PERSON IS TRAVELING TO THE SAME LOCATION.

## ENVIRONMENTAL QUALITY

Contact: **DIANE HERNANDEZ**

### **ACTION TAKEN**

DECREASE OVERALL POLLUTION OUTPUT BY THE STATE FLEET

THE DEPARTMENT CONTINUES TO ADVOCATE FOR CLEAN FUELS, ELECTRIC VEHICLE USE, PUBLIC TRANSIT USE, AND CUTTING DOWN ON TRIPS. WE HAVE A FOOD TRUCK COME IN ALMOST WEEKLY TO HELP EMPLOYEES ELIMINATE THAT LUNCH TIME TRIP AWAY FROM THE BUILDING.

DECREASE NUMBER OF STATE VEHICLES

I BELIEVE THE DEPARTMENT HAS GOTTEN TO THE BARE BONES AS FAR AS THE NUMBER OF VEHICLES LEASED FROM FLEET OPERATIONS. WE HAVE GOTTEN ON BOARD WITH THE FLEET OPERATION'S KIOSK AND FOUND THAT EMPLOYEES ARE OPEN TO USING THESE VEHICLES.

DECREASE NUMBER OF STATE VEHICLES

I BELIEVE THE DEPARTMENT HAS GOTTEN TO THE BARE BONES AS FAR AS THE NUMBER OF VEHICLES LEASED FROM FLEET OPERATIONS. WE HAVE GOTTEN ON BOARD WITH THE FLEET OPERATION'S KIOSK AND FOUND THAT EMPLOYEES ARE OPEN TO USING THESE VEHICLES.

### **GOAL**

INCREASE OVERALL MILES PER GALLON

THE DEPARTMENT ENCOURAGES CAR POOLING WHEN FEASIBLE AND HAVE LET EMPLOYEES KNOW THAT THE NEW FLEET KIOSK VEHICLES ARE QUIPPED WITH TELEMATICS THAT ALSO ENCOURAGE DRIVERS TO FOLLOW SPEED LIMITS, THUS CONSERVING FUEL.

DECREASE NUMBER OF STATE VEHICLES

OUR A.Q. DIVISION HAS DECREASED THEIR 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 WE COULD BE SUFFICIENT ENOUGH USING THE AVAILABLE FLEET OPERATION'S KIOSK VEHICLES.

**HEALTH**

**Contact: JENNIEL ALLEN**

**ACTION TAKEN**

DECREASE OVERALL POLLUTION  
OUTPUT BY THE STATE FLEET

TRADED IN OUR FORD TAURUS FOR A HYBRID MID-  
SIZED VEHICLE. ALSO DOWNGRADED A MINIVAN TO  
A MID-SIZE.

**GOAL**

RIGHT-SIZE YOUR VEHICLE TYPE

CONTINUALLY REVIEW UTILIZATION AND VEHICLE TYPE  
USAGE TO MAINTAIN RIGHT-SIZE VEHICLES.

**ACTION TAKEN**

INCREASE OVERALL MILES PER GALLON

EMPLOYEES HAVE BEEN TAKING THE SMALLER VEHICLE FOR IN TOWN TRIPS WHENEVER POSSIBLE INSTEAD OF OUR LARGER VEHICLES. OUR HONDA HYBRID IS FAR MORE COST EFFICIENT.

RIGHT-SIZE YOUR VEHICLE TYPE

WE USED TO HAVE TO TAKE SEVERAL LOADS IN THE SMALLER VEHICLES. WE RIGHT SIZED OUR PRIUS TO A SMALL SUV AND CAN NOW HAUL ONE LOAD AS WELL AS MULTIPLE EMPLOYEES INSTEAD OF SEPARATE DRIVERS.

**GOAL**

DECREASE TOTAL GALLONS OF FUEL CONSUMED BY STATE VEHICLES

ENCOURAGING DHA EMPLOYEES TO CARPOOL WHEN GOING TO MEETINGS.

DECREASE TOTAL MILES DRIVEN ANNUALLY BY STATE VEHICLES

WE ARE PROVIDING A GREEN BIKE STATION AT OUR RIO GRANDE LOCATION AND ARE ENCOURAGING RIO GRANDE EMPLOYEES TO USE GREEN BIKES IF GOING TO MEETINGS A SHORT DISTANCE AWAY. ALL DHA EMPLOYEES WILL HAVE FREE ACCESS TO GREEN BIKES.

DECREASE OVERALL POLLUTION OUTPUT BY THE STATE FLEET

EDUCATING EMPLOYEES BY REMINDING THEM OF THE NO IDLE MANDATE.

**ACTION TAKEN**

DECREASE TOTAL GALLONS OF FUEL CONSUMED BY STATE VEHICLES

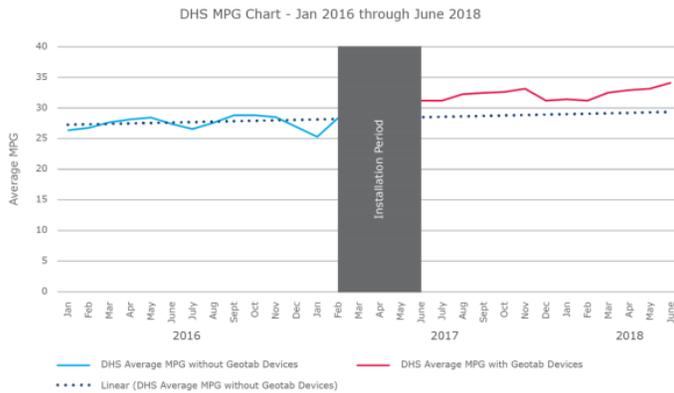
REPLACING OUR FLEET VEHICLES WITH HYBRIDS OR CLEAN AIR CERTIFIED VEHICLES. ENCOURAGING STAFF TO USE VEHICLES WITH HIGHER MPG RATING FOR LONG DISTANCE TRIPS. UTILIZATING THE AUDIBLE ALERTS WITH THE RECENTLY INSTALLED FLEET OPERATION'S TELEMATICS UNITS TO CORRECT POOR DRIVER HABITS AND SPEEDING.

**GOAL**

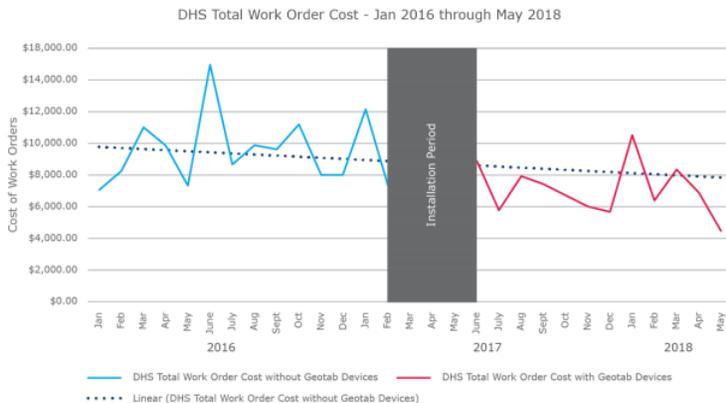
DECREASE OVERALL POLLUTION OUTPUT BY THE STATE FLEET

BY USING THE FLEET OPERATION'S TELEMATICS DEVICES, WE ARE HOPING TO DECREASE THE DHS IDLE TIME AND HAVE VEHICLES WITH ENGINE ISSUES INTO THE SHOP SOON BY CATCHING THE ISSUE SOONER.

**Human Services Geotab Telematics Success**



**Note:** The DHS has two groups, Utah Developmental Center (UDC) and Utah State Hospital (USH), both of which implemented a real-time in-cab alert for speeding at 80 MPH or greater. In addition, a real-time in-cab notification was set for going 10 MPH over the posted speed limit for more than 30 seconds.



**Note:** The DHS configured their telematics systems to receive an email when the check engine light comes on, and a real-time in-cab alert in the UDC and USH vehicles for harsh braking and harsh cornering driver behaviors.

**INSURANCE DEPARTMENT**

**Contact: JEFFREY REMUS**

**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.

**GOAL**

INCREASE OVERALL MILES PER GALLON

PROVIDE DRIVER EDUCATION TRAINING TO HELP EACH DRIVER UNDERSTAND THE NEED TO DRIVE MORE EFFICIENTLY AND EXPLAIN THE BENEFITS VEHICLE MAINTENANCE. THROUGH THIS TRAINING OUR EMPLOYEES WILL BE MORE FOCUSED ON ACHIEVING BETTER MILEAGE.

**ACTION TAKEN**

DECREASE OVERALL POLLUTION  
OUTPUT BY THE STATE FLEET

LC UTILIZES THREE CNG VEHICLES TO MAXIMIZE  
EFFICIENCY IN LOWERING COST PER MILE AND  
LOWERING VEHICLE POLLUTION EMISSIONS

DECREASE OVERALL POLLUTION  
OUTPUT BY THE STATE FLEET

LC UTILIZES TWELVE HYBRID VEHICLES TO MAXIMIZE  
EFFICIENCY IN LOWERING COST PER MILE AND  
LOWERING VEHICLE POLLUTION EMISSIONS.

**GOAL**

DECREASE COST PER MILE

LC UTILIZES TWELVE HYBRID VEHICLES AND THREE CNG  
VEHICLES TO MAXIMIZE EFFICIENCY IN LOWERING  
COST PER MILE AND LOWERING VEHICLE POLLUTION  
EMISSIONS.

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.

DECREASE TOTAL MILES DRIVEN  
ANNUALLY BY STATE VEHICLES

LC DRIVERS ENDEAVOR TO PLAN INSPECTION TRIPS  
EFFICIENTLY TO MAKE GOOD USE OF TIME AND  
MINIMIZES MILES DRIVEN.

**NATIONAL GUARD**

**Contact: LEI PASCO**

**GOAL**

DECREASE TOTAL GALLONS OF FUEL CONSUMED BY STATE VEHICLES

STATE EMPLOYEES SHOULD CARPOOL AS MUCH AS POSSIBLE. STATE VEHICLE RESERVATION SCHEDULES SHOULD BE UTILIZED TO SEE IF THERE ARE OTHER EMPLOYEES GOING TO THE SAME PLACE OR VICINITY AT SPECIFIC DATES AND/OR SPECIFIC TIMES.

**PUBLIC SAFETY**

**Contact: MATT SPILLMAN**

**ACTION TAKEN**

DECREASE OVERALL POLLUTION OUTPUT BY THE STATE FLEET

DPS PURCHASED 50 FORD UTILITY SUV'S EQUIPPED WITH V6 ENGINES. THESE 50 SUV'S WILL PRIMARILY REPLACE DODGE DURANGO SUV'S EQUIPPED WITH LARGER DISPLACEMENT V8 ENGINES.

DECREASE TOTAL MILES DRIVEN ANNUALLY BY STATE VEHICLES

REPORTS WERE RAN THROUGHOUT THE YEAR TO IDENTIFY VEHICLES TRAVELING IN EXCESS OF 4K MILES PER MONTH. THESE VEHICLES WERE EVALUATED AND ADDRESSED ON A CASE BY CASE BASIS, REDUCING MILEAGE WHEN POSSIBLE. SUBSEQUENT REPORTS VERIFIED CHANGING HABITS AND REDUCED MILEAGE IN MANY INSTANCES.

**GOAL**

DECREASE COST PER MILE

DPS HAS LAUNCHED AN INTERNAL EFFORT TO REDUCE FUEL PURCHASES AT COMMERCIAL GAS STATION LOCATIONS. EMPLOYEES ARE BEING INSTRUCTED TO USE STATE OWNED FUEL LOCATIONS AS MUCH AS POSSIBLE, AS THESE SITES CHARGE APPROXIMATELY \$0.20 LESS PER GALLON. PROGRESS REPORTS WILL BE USED TO MONITOR AND FURTHER ENCOURAGE COMPLIANCE.

DECREASE COST PER MILE

DECREASE UNNECESSARY USAGE OF MID AND PREMIUM GRADE FUELS. PROGRESS REPORTS WILL BE USED TO MONITOR AND FURTHER ENCOURAGE COMPLIANCE.

**ACTION TAKEN**

RIGHT-SIZE YOUR VEHICLE TYPE

CONVERTED IN 2017 FROM TOYOTA AVALON TO FORD EDGE.

**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.

**TAX COMMISSION**

**Contact: TIFFANY HARMS**

**GOAL**

DECREASE TOTAL MILES DRIVEN ANNUALLY BY STATE VEHICLES

THE TAX COMMISSION WILL CONTINUE TO ENCOURAGE TELECONFERENCING WHENEVER POSSIBLE TO MINIMIZE TOTAL MILES DRIVEN, POLLUTION, AND GALLONS CONSUMED.

DECREASE TOTAL GALLONS OF FUEL CONSUMED BY STATE VEHICLES

WILL ACCEPT HYBRID VEHICLES DURING REPLACEMENT PERIOD TO DECREASE OVERALL GALLONS CONSUMED BY TAX COMMISSION VEHICLES.

DECREASE OVERALL POLLUTION OUTPUT BY THE STATE FLEET

BY ACCEPTING HYBRID VEHICLES DURING THE REPLACEMENT PERIOD, THIS SHOULD DECREASE THE TAX COMMISSIONS OVERALL POLLUTION.

**TECHNOLOGY SERVICES**

**Contact: CANDICE LEFLER**

**ACTION TAKEN**

RIGHT-SIZE YOUR VEHICLE TYPE

THROUGH THOROUGH EVALUATION OF EXISTING VEHICLES, WE WERE ABLE TO RIGHT SIZE VEHICLES BY REPLACING, REASSIGNING, AND REALLOCATING SEVERAL FLEET VEHICLES TO MAXIMIZE UTILIZATION AND/OR EFFICIENCY IN SERVICE AND DELIVERY.

**GOAL**

DECREASE TOTAL GALLONS OF FUEL CONSUMED BY STATE VEHICLES

DTS'S GOAL TO DECREASE TOTAL GALLONS OF FUEL CONSUMED BY TRACKING STATE VEHICLES AND IDENTIFYING WHO IS VIOLATING DTS IDLING POLICES. DTS WILL BE ABLE TO DETERMINE WHICH STATE EMPLOYEES ARE VIOLATING POLICES AND IDLING FOR LONG PERIODS OF TIME THROUGH USE OF FLEET OPERATION'S TELEMATICS PROGRAM.

DECREASE OVERALL POLLUTION OUTPUT BY THE STATE FLEET

BY DECREASING THE AMOUNT OF IDLE TIME PERIODS, WE WILL DECREASE POLLUTION OUTPUT.

**TRANSPORTATION**

**Contact: JEFFERY CASPER**

**ACTION TAKEN**

DECREASE COST PER MILE

WE HAVE INSTALLED GPS TRACKING IN ALL OF OUR IMT AND PERMITS TRUCKS THAT HAVE A HIGHER AMOUNT OF IDLE TIME. WITH THE REPORTING AVAILABLE THOSE DEPARTMENTS HAVE BEEN ABLE TO REDUCE IDLE TIME AND COMBINE JOBS AND CALL OUTS.

DECREASE OVERALL POLLUTION OUTPUT BY THE STATE FLEET

FOR THE LAST TWO FISCAL YEARS WE HAVE BEEN ABLE TO PURCHASE ADDITIONAL NEW MODEL SNOWPLOW TRUCKS WITH BETTER TECHNOLOGY AND RETIRING THE OLDEST SNOWPLOW TRUCKS THAT WERE IN FLEET.

**GOAL**

DECREASE OVERALL POLLUTION OUTPUT BY THE STATE FLEET

WE ARE WORKING WITH DEQ ON AVAILABLE OPTIONS FOR THE DPF EMISSIONS.

DECREASE OVERALL POLLUTION OUTPUT BY THE STATE FLEET

WE ARE USING THE GPS DATA WE HAVE AVAILABLE ON ALL SNOWPLOW TRUCKS TO VIEW IDLE TIME.

RIGHT-SIZE YOUR VEHICLE TYPE

WE ARE REVIEWING THE CURRENT ORDER AND REQUESTS FOR REPLACEMENT VEHICLES TO ENSURE PURCHASES ARE NECESSARY FOR THE AREA THE VEHICLE WILL BE USED.

**ACTION TAKEN**

RIGHT-SIZE YOUR VEHICLE TYPE

WE REPLACED A FEW VEHICLES WITH SMALLER ONES AS SOME OF OUR NEEDS CHANGED.

**GOAL**

DECREASE OVERALL POLLUTION OUTPUT BY THE STATE FLEET

WE WILL CONTINUE TO FOLLOW THE NO IDLE MANDATE.

**ACTION TAKEN**

DECREASE COST PER MILE

USE VIDEO CONFERENCING FOR STATE MEETINGS  
WHEN AVAILABLE INSTEAD OF DRIVING.

**GOAL**

DECREASE TOTAL GALLONS OF  
FUEL CONSUMED BY STATE  
VEHICLES

CARPOOLING

DECREASE OVERALL POLLUTION  
OUTPUT BY THE STATE FLEET

ENFORCE NO IDLE WHEN DRIVING VEHICLES

**ACTION TAKEN**

RIGHT-SIZE YOUR VEHICLE TYPE

ACTION: DAVIS TECHNICAL COLLEGE PURCHASED NEW EFFICIENT VEHICLES TO MEET THE NEEDS OF OUR FACULTY AND STAFF.

**GOAL**

DECREASE COST PER MILE

ACTION: DAVIS TECHNICAL COLLEGE THROUGH EDUCATION WILL PROVIDE TRAINING TO HELP REDUCE VEHICLE OPERATING COST. BY REDUCING VEHICLE ENGINE IDLE TIME, DRIVING FEWER MILES, USE CAR POOL, AVOID RUSH HOUR AND CONDUCT PROPER MAINTENANCE.

**ACTION TAKEN**

DECREASE TOTAL GALLONS OF FUEL CONSUMED BY STATE VEHICLES

PLANNED MAINTENANCE AND DELIVERY SCHEDULES TO DECREASE THE AMOUNT FUEL CONSUMED.

DECREASE OVERALL POLLUTION OUTPUT BY THE STATE FLEET

ENFORCED THE NO IDLE MANDATE BY GOVERNOR HERBERT TO REDUCE POLLUTION OUTPUT.

**GOAL**

DECREASE OVERALL POLLUTION OUTPUT BY THE STATE FLEET

WE WILL FOLLOW GOVERNOR HERBERT INCENTIVE TO REDUCE VEHICLE IDLING. IF IDLING IS EXPECTED TO PROCEED LONGER THEN 30 SECONDS, VEHICLES WILL BE SHUT OFF.

DECREASE TOTAL MILES DRIVEN ANNUALLY BY STATE VEHICLES

EMPLOYEES WILL MEET EACH WEEK TO DISCUSS AND PLAN OUT TASKS THAT NEED TO BE ACCOMPLISHED BETWEEN THE DIFFERENT CAMPUSES. THE AMOUNT OF MILES DRIVEN WILL BE REDUCED BY ELIMINATING EXCESSIVE TRAVELING BETWEEN DIFFERENT LOCATIONS DUE TO PLANNING.

**GOAL**

DECREASE OVERALL POLLUTION  
OUTPUT BY THE STATE FLEET

PRACTICE NO IDLE POLICY.

DECREASE OVERALL POLLUTION  
OUTPUT BY THE STATE FLEET

ENFORCE NO IDLE POLICY.

**ACTION TAKEN**

DECREASE TOTAL MILES DRIVEN  
ANNUALLY BY STATE VEHICLES

THERE IS A LOG TO TRACK MILEAGE AND USAGE. WE  
TAKE PROACTIVE MEASURES TO REDUCE MILEAGE  
AND USAGE.

**UCAT UINTAH BASIN ATC**

**Contact: TINA ARNOLD**

**ACTION TAKEN**

DECREASE TOTAL MILES DRIVEN  
ANNUALLY BY STATE VEHICLES

CARPOOLED WHEN POSSIBLE

**GOAL**

DECREASE TOTAL MILES DRIVEN  
ANNUALLY BY STATE VEHICLES

CARPOOL WHEN POSSIBLE

**ACTION TAKEN**

RIGHT-SIZE YOUR VEHICLE TYPE

WE HAVE CONTINUED TO REMOVE VEHICLES FROM OUR FLEET THAT ARE GROSSLY OUT OF DATE AND INEFFICIENT IN BOTH GAS MILEAGE AND EMISSIONS CONTROLS WHILE SELECTING REPLACEMENTS AND EXPANSION VEHICLES THAT ARE MORE EFFICIENT.

DECREASE OVERALL POLLUTION OUTPUT BY THE STATE FLEET

CONTINUED OUR IDLE-REDUCTION TRAINING FOR ALL AGENCY VEHICLE OPERATORS AND REQUIRED THIS TRAINING TO BE REPEATED WITH THE SAME PERIODICITY AS THE DEFENSIVE DRIVER TRAINING (BI-ANNUALLY).

**GOAL**

DECREASE OVERALL POLLUTION OUTPUT BY THE STATE FLEET

OUR AGENCY WILL CONTINUE TO EXPAND OUR EMISSIONS REDUCTION PROGRAM THROUGH ONGOING IDLE-REDUCTION TRAINING. WE WILL ALSO BE TRAINING MANAGERS TO PLAN VEHICLE USAGE MORE EFFICIENTLY BY ELIMINATING OR COMBINING TRIPS WHERE POSSIBLE.

RIGHT-SIZE YOUR VEHICLE TYPE

AS OUR AGENCY HAS CONTINUED TO GROW AND SUPPORT EXPANDED SERVICES, WE HAVE HAD TO GROW OUR FLEET. HOWEVER, OUR GOAL IS TO SELECT EXPANSION AND REPLACEMENT VEHICLES THAT ARE MORE ECONOMICAL AND FUEL EFFICIENT WHILE STILL MEETING OUR PASSENGER TRANSPORTATION NEEDS.

**ACTION TAKEN**

RIGHT-SIZE YOUR VEHICLE TYPE

CONSIDERABLE EFFORT HAS BEEN MADE TO DISTRIBUTE FLEET VEHICLES TO MAXIMIZE USE TO COMPLETE BUSINESS NEEDS. WE WILL CONTINUE TO EVALUATE THE FLEET TO PLACE VEHICLES WHERE THEY ARE UTILIZED TO MAXIMUM BENEFIT.

**GOAL**

RIGHT-SIZE YOUR VEHICLE TYPE

THERE IS FREQUENT REQUESTS FOR FOUR WHEEL DRIVE VEHICLES IN AREAS WERE DRIVING THROUGH MOUNTAIN PASSES IN THE WINTER MONTHS. WE WILL UPGRADE VEHICLES WHERE NEEDED TO RESOLVE THIS ISSUE.