

Missouri

State Fleet Efficiency and Alternative Fuel Program

Annual Report
State Fiscal Year 2018



Department of Economic Development
Division of Energy

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DIVISION OF ENERGY

Purpose

The Fuel Conservation for State Vehicles Program, Sections 414.400-414.417 RSMo, established guidelines for Missouri state agencies to reduce state agency vehicle fleet fuel consumption, and promote the use of alternative fuels. All state agencies are required to report their progress annually to the Department of Economic Development for the development of the Missouri State Fleet Efficiency and Alternative Fuels Program Annual Report so that the Department of Economic Development may compile that information.

Pursuant to Section 414.406 RSMo, please find the state fiscal year 2018 report on state fleet efficiency and alternative fuels use enclosed. Copies have also been provided to the commissioner of administration, the secretary of the Senate, the clerk of the House of Representatives and the chairman of each committee of jurisdiction of the General Assembly in accordance with the statute.

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I. Executive Summary

The annual state fleet report is compiled by the Division of Energy and includes annual fuel consumption, number of vehicles operated, vehicle miles traveled, average fleet fuel economy, estimated cost savings, and the state's use of alternative fuels. Fleet data submitted to the department by the reporting agencies is provided in Appendix D. This report contains data supplied for fiscal year (FY) 2018, July 1, 2017 through June 30, 2018.

Agencies report annually to the department's Division of Energy (the "division"), vehicle operating data on their respective fleets that includes the information listed above. The statutes include light-duty vehicles that are defined as vehicles under 8,500 pounds gross vehicle weight rating. State agencies operated a total of 12,275 vehicles during fiscal year 2018 (Table 3), of which 4,266 qualified to meet the vehicle fuel efficiency and alternative fuel requirements (eligible vehicles) as described in the statutes. The remaining 8,009 vehicles were reported as exempt from meeting those requirements (exempt vehicles).

For the eligible vehicles, agencies reported logging a total of 46,134,975 miles and using 2,060,668 gallons of gasoline; 91,359 gallons of 85 percent ethanol (E85), including E85 used in exempt vehicles; 6,612 kilowatt hours (kWh) of electricity (196 gasoline gallon equivalents or GGE); zero gallons of propane, including propane in exempt vehicles; and zero cubic feet of Compressed Natural Gas (CNG). In FY 2018, state employees drove 2.28 percent less state fleet miles than in FY 2017. Gasoline usage decreased by 1.16 percent; E85 usage decreased by 16.66 percent; propane and CNG usage remained at zero.

The combined total of biodiesel used by state agencies during the reporting period was equivalent to 1,226,140 gallons of biodiesel blended at the 20 percent level.

The National Highway Traffic Safety Administration (NHTSA) is required by the Energy Independence and Security Act of 2007 (EISA) to set a minimum fuel economy standard for domestically-manufactured passenger cars in addition to the attribute-based passenger car standard¹. The agency's estimates for the model year (MY) 2017–2019 Corporate Average Fuel Efficiency (CAFE) standards are provided in the Average Fleet Fuel Economy section of this report.

A Memorandum of Understanding (MOU) was entered into by the Office of Administration, the Department of Economic Development and the Department of Natural Resources that clarifies the waiver authority provided in Section 414.412.1 RSMo. The Office of Administration has begun utilizing this waiver authority for vehicle classes in which alternative fuel vehicles are unable to be acquired or cannot be operated within statutory cost parameters. However, existing alternative fuel vehicles being utilized in the state fleet, are still subject to the requirement in 414.400.2 RSMo.

¹Energy Independence and Security Act, 42 U.S.C. § 152 (2017).

II. Annual Fuel Consumption

Table 1 shows is the annual fuel consumption reported by state agencies for state-owned vehicles operated during FY 2018.

Table 1 FY 2018 Fuel Consumption			
Fuel Type	Eligible Vehicles	Exempt Vehicles	All State Vehicles
Gasoline (gallons)	2,060,668	5,596,698	7,657,366
Diesel (gallons)	14,788	3,142,253	3,157,041
Alternative Fuel (gge) *biodiesel is included as B100	60,996	269,186	330,182

Shown in Table 2 are the annual fuel cost numbers that directly correspond to the fuel consumption numbers shown in Table 1.

Table 2 FY 2018 Fuel Cost			
Fuel Type	Eligible Vehicles	Exempt Vehicles	All State Vehicles
Gasoline	\$4,547,164	\$12,027,107	\$16,574,271
Diesel	\$38,258	\$7,662,465	\$7,700,724
Alternative Fuel	\$160,279	\$550,325	\$710,604
Total	\$4,745,701	\$20,239,898	\$24,985,599

Table 3 shows the number of state-owned vehicles operated by state agencies in FY 2018. The numbers shown include all vehicles acquired, in continuous service, and retired from state service during the period.

Table 3 FY 2018 Number of Vehicles Operated			
Vehicle Type	Eligible Vehicles	Exempt Vehicles	All State Vehicles
Gasoline	1,909	3,668	5,577
Diesel	30	2,398	2,428
Alternative Fuel	2,327	1,943	4,270
Total	4,266	8,009	12,275

During FY 2018, the vehicle miles traveled in eligible state vehicles were 13,730,433 in gasoline and hybrid vehicles, 238,775 in diesel vehicles, and 32,165,767 in AFVs.

III. Average Fleet Fuel Economy

The statute requires that each agency’s overall vehicle fleet fuel efficiency for eligible state vehicles meet or exceed the standards set by the federal government.^{2,3}

The rating system developed for measuring vehicle fuel efficiency referenced above, called CAFE, is a comprehensive fuel efficiency rating system that was developed to measure the vehicle fuel efficiency of vehicles sold in the United States⁴. Because CAFE is an average, a company can sell vehicles that fall below the CAFE standards as long as the company’s overall averages stay within the standards.

Per federal rules, starting with MY 2012 vehicles, automakers were required to reduce fleet-wide greenhouse gas emissions by approximately five percent each year⁵ and improve fleet-wide fuel economy to an estimated 40.8 mpg by MY 2020⁶.

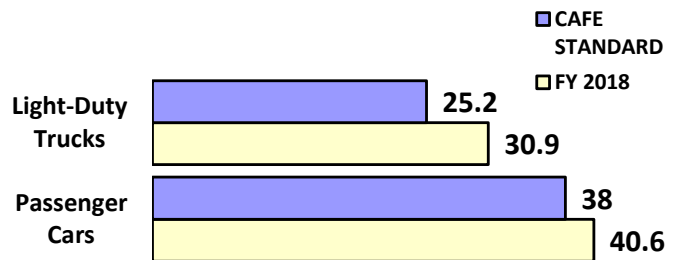
For Model Year 2018 vehicles, the following are the CAFE standards:

- 38.0 mpg for MY 2018 passenger cars⁷,
- 25.2 mpg for MY 2018 light-duty trucks,

Acquisitions that are included in the computation of the average fleet fuel economy are only new vehicle acquisitions.

As shown in Figure 1, state agencies exceeded the federal CAFE standard by purchasing new passenger cars with an average CAFE rating of 40.6 mpg. Agencies also exceeded the federal standard with new acquisitions of light-duty trucks by purchasing new light-duty trucks that earned an overall average CAFE rating of 30.9 mpg. All agencies made purchases that, on average, exceeded CAFE standards. For additional information, the CAFE ratings earned by each agency and the total ratings earned by the entire state fleet are shown in the fuel economy tables in Appendix C.

Figure 1 - Missouri State Fleet Average Fleet Fuel Economy of New Acquisition Vehicles (MPG)



² 414.400.2 RSMo

³ Average Fuel Economy Standards, 49 U.S.C. § 32902 (2017).

⁴ Energy Policy and Conservation Act, 42 U.S.C. §§ 6272-6273, 6294 (2017).

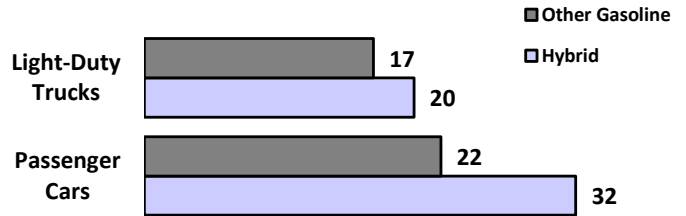
⁵ Average Fuel Economy Standards, 49 U.S.C. § 32902 (2017).

⁶ Fuel Economy Standards, 49 C.F.R. § 531.5 2018.

⁷ Station wagons are included under the passenger car category while light-duty trucks include pickups, sport utility vehicles (SUVs) and vans.

Overall, as shown in Figure 2, state hybrid passenger cars achieved an average of 10 mpg greater than that of other gasoline-powered passenger cars operated by the state fleet. In the light-duty truck category, state hybrid vehicles achieved an average of three (3) mpg greater than the state’s other gasoline-powered light-duty trucks.

**Figure 2 - Missouri State Fleet
Average Fleet Fuel Economy of Hybrid and
Other Gasoline Vehicles (MPG)**



Throughout FY 2018, MoDOT, the Department of Social Services, the Secretary of State, and the Department of Public Safety (DPS) were the only agencies reporting biodiesel usage. MoDOT’s on-site access to biodiesel fuel was a significant factor in their diesel and biodiesel consumption.

**Figure 3 - Missouri State Fleet
Biodiesel (B20) Used in Diesel Vehicles
(gallons)**

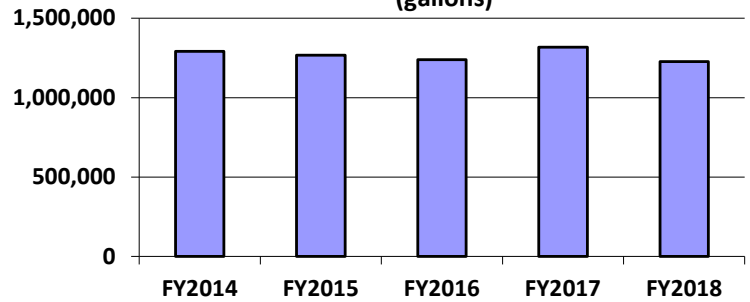
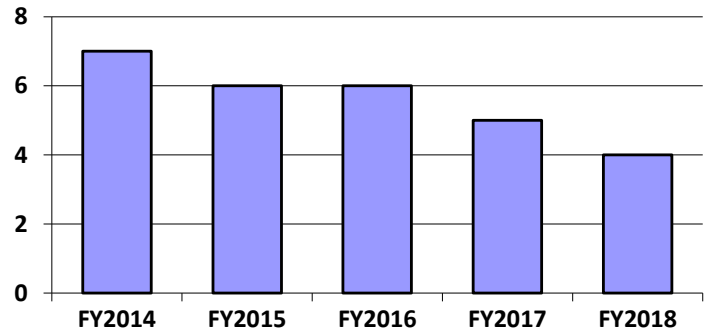


Figure 4 shows the percent of alternative fuel used by the state in alternative fuel vehicles over the past five years. This number does not include the alternative fuel used in exempt AFVs and the biodiesel used in exempt diesel vehicles. The state fleet consumed 60,996 GGE of alternative fuel in eligible vehicles in FY 2018, which equates to four percent of the total fuel consumption for the included vehicle types. Total alternative fuel consumption, including exempt vehicles, is down 116,145 GGE from FY 2017.

**Figure 4 - Missouri State Fleet
Percent of Alternative Fuel Use in Alternative Fuel
Vehicles**



See Table 4 for the corresponding consumption numbers shown in gallons for gasoline and in GGE for the alternative fuels.

Table 4					
Percent of Alternative Fuel Use In Alternative Fuel Vehicles for FY 2018					
Vehicle Fuel Type	Number of Vehicles	GAS/DSL (gal/GGE)	Alternative Fuel in GGE	Total Fuel in GGE	% Alternative Fuel Use
B20 (exempt vehicles)	2,398	3,550,746	1,373,277	4,924,023	28%
E85	2,309	1,324,873	60,800	1,385,673	4%
E85 (exempt vehicles)	1,939	2,218,815	4,339	2,223,154	0%
Propane	2	1,281	0	1,281	0%
Propane (exempt vehicles)	4	1,190	0	1,190	0%
CNG	0	0	0	0	0%
CNG (exempt vehicles)	0	0	0	0	0%
Electric	16	0	196	196	100%
Total (Eligible vehicles only)	2,327	1,326,154	60,996	1,387,150	4%
Total (Exempt vehicles only)	4,341	5,770,751	1,377,616	7,148,367	19%
Total	6,668	7,096,905	1,438,612	8,535,517	17%

As shown in Table 5, state agencies have AFVs stationed at several locations in Missouri.

Table 5					
Number of Alternative Fuel Vehicles Based at Fleet Locations					
	FY'14	FY'15	FY'16	FY'17	FY'18
Jefferson City	1,269	1,322	1,487	1,589	1,563
Kansas City	453	449	413	411	395
St. Louis	361	377	377	389	394
Other	1,854	1,834	2,071	1,983	1,955
Total	3,937	3,982	4,348	4,372	4,307

IV. Operating Cost

In order to compare the operating cost of AFVs to traditional fuel vehicles, operating cost data submitted by the agencies to the division is converted into an average operating cost per mile. As shown in Table 6 for eligible vehicles, the vehicle operating costs are broken down by maintenance, fuel, and the total cost.

Table 6 Average Eligible Vehicle Operating Cost for FY 2018 (in cents per mile)			
Vehicle Type	Maintenance	Fuel	Total
Gas Auto	4.2	9.6	13.8
Gas Truck	8.2	13.8	22
Hybrid Auto	3	6.9	9.9
Hybrid Truck	9.9	11.2	21.1
Diesel Auto	-	-	-
Diesel Truck	16.4	16	32.4
E85 Auto	4.8	8.2	13
E85 Truck	4.7	11.3	16
LPG Truck	37.5	31.8	69.3
Electric	30.5 ⁸	0	30.5

⁸ High maintenance cost per mile for electric vehicles and LPG trucks was primarily because of the relatively low number of vehicles and miles driven.

Appendices

Appendix A

Federal and Missouri Alternative Fuel Acts: Comparison of Key Provisions

Clean Air Act Public Law 101-549 ⁹	Energy Policy Act Public Law 102-486 ¹⁰	Missouri Sections 414.400–417, RSMo, 1999
Applicability		
Twenty-two metropolitan areas with populations of 250,000 or more (1980 census) with serious, severe or extreme ozone or carbon monoxide areas.	Metropolitan areas with a 1980 population of 250,000 or more.	All state-owned vehicles throughout the state.
Fleets Subject to Act		
Fleets of 10 or more vehicles which are centrally fueled or capable of being centrally fueled.	Fleets with at least 20 vehicles that are centrally-fueled or capable of being centrally fueled in a metropolitan area; however, this requirement applies only if a fleet also has at least 50 vehicles within the United States.	State-owned fleets with more than 15 vehicles.
Exemptions		
Vehicles that are garaged at a personal residence overnight are to be considered not capable of central fueling. Law enforcement vehicles. Emergency vehicles.	Private fleet vehicles that are garaged at home overnight are exempted. Law enforcement vehicles. The secretary of energy may terminate this exemption. Emergency vehicles.	Off-road vehicles, maintenance and construction vehicles, and transport trailers. Law enforcement vehicles. Emergency vehicles.
Fuels		
Any fuel meeting the emission standard may be used, including reformulated gasoline, clean diesel, ethanol, methanol, propane, electricity, and natural gas.	Alternative fuels include methanol, ethanol, natural gas, propane, biodiesel and electricity. Reformulated gasoline is not considered to be an alternative fuel.	Alternative fuels include 85 percent methanol, 85 percent ethanol, natural gas, propane, 20 percent biodiesel, hydrogen, and electricity. Reformulated gasoline is not considered to be an alternative fuel.

⁹ Clean Air Act, 42 U.S.C. § 7401 (2017).

¹⁰ Energy Policy Act, 42 U.S.C. § 13201 (2017).

Clean Air Act Public Law 101-549	Energy Policy Act Public Law 102-486	Missouri Sections 414.400 – 417, RSMo, 1999
Weight Limits		
Includes automobiles and trucks up to 26,000 pounds gross vehicle weight.	Includes vehicles with a gross vehicle weight of less than or equal to 8,500 pounds.	For reporting purposes, state agencies are including only those eligible vehicles less than or equal to 8,500 pounds GVWR.
Purchase Requirements		
Beginning with model year 1998.	Standard Compliance Option ¹¹ - beginning with designated model year: State fleet – 75 percent of light-duty, non-excluded vehicles acquired must be alternative fuel vehicles.	Acquire vehicles capable of using alternative fuels: 70 percent after Jan.1, 2008. (Section 37.455) By July 1, 2002, 30 percent of fuel used in AFVs must be an alternative fuel.
Vehicle And Fuel Availability		
There are no exemptions provided in the law in the event vehicles or fuel are not available.	The secretary of energy must exempt a fleet if vehicles or fuels are not available.	May reduce any percentage specified or waive requirements upon receipt of certification supported by evidence that: 1) Fuels are not available. 2) Fuels do not meet cost limitations. 3) Fuels do not meet energy conservation or emissions criteria.

¹¹ The Energy Policy Act provides for Alternative Compliance in which covered fleets may obtain a waiver from Standard Compliance to implement petroleum reduction measures in their vehicle fleets in lieu of the AFV-acquisition requirements.

Related Missouri Revised Statutes and Policies
Chapter 414

Fuel Regulation and Conservation
Section 414.400

revisor.mo.gov/main/OneSection.aspx?section=414.400&bid=36067&hl=

Fuel Regulation and Conservation
Section 414.403

revisor.mo.gov/main/OneSection.aspx?section=414.403&bid=23739&hl=

Fuel Regulation and Conservation
Section 414.406

revisor.mo.gov/main/OneSection.aspx?section=414.406&bid=36068&hl=

Fuel Regulation and Conservation
Section 414.410

revisor.mo.gov/main/OneSection.aspx?section=414.410&bid=23742&hl=

Fuel Regulation and Conservation
Section 414.412

revisor.mo.gov/main/OneSection.aspx?section=414.412&bid=36069&hl=

Fuel Regulation and Conservation
Section 414.415

revisor.mo.gov/main/OneSection.aspx?section=414.415&bid=23744&hl=

Fuel Regulation and Conservation
Section 414.417

revisor.mo.gov/main/OneSection.aspx?section=414.417&bid=36070&hl=

Executive Order 95-05

sos.mo.gov/library/reference/orders/1995/eo1995_005.asp

Appendix B

Definitions and Unit Consumption Conversion Table of Motor Vehicle Fuels

Exempt vehicles are vehicles operated by state agencies and designated for duties that exempt the vehicles from vehicle fuel efficiency and alternative fuel requirements. These duties include off-road, maintenance, construction, trailer transport, law enforcement, and emergency vehicles. Exempt vehicles also include vehicles that exceed the 8,500 gross vehicle weight rating (GVWR).

Eligible or non-exempt vehicles are those vehicles operated by state agency fleets that are required to meet vehicle fuel efficiency and alternative fuel requirements. Most eligible vehicles are used primarily for commuting from one location to another on established roadways.

Gasoline Gallon Equivalent (GGE) is used as a unit of measure for alternative fuels. GGE is based on the fuel's energy content rather than the at-the-pump unit of measure normally shown in unit volume. An example of this is the comparison of a gallon of E85 to a gallon of gasoline. Because the energy content of E85 is less than that of gasoline, one gallon of E85 is equivalent to 0.7130 gallons of gasoline. As applied throughout this report, check Appendix C for more information on the conversion of alternative fuels from at-the-pump units of consumption to GGE.

As defined by Section 414.400, RSMo, alternative fuels are those motor vehicle fuels that are not substantially unleaded gasoline or diesel and otherwise contribute to potential energy security and environmental benefits. Gasoline gallon equivalent (GGE) is used throughout the report as a unit of measure for alternative fuels. GGE is based on the fuel's energy content rather than the at-the-pump unit of measure, normally shown in unit volume.

Unit Consumption Conversion Table of Vehicle Motor Fuels, At-the-Pump Units to GGE

Fuel Type	At-the-Pump Units	BTU/Unit	GGE/Unit
Gasoline	Gallon	115,000	1
E85	Gallon	82,000	0.7130
Propane	Gallon	89,000	0.7739
CNG	Cubic Feet	1,000	0.0087
Diesel	Gallon	130,000	1.1304
Biodiesel (20)	Gallon	128,800	1.1200
Biodiesel (100)	Gallon	124,200	1.08
Electric	Kilowatt hour	3,413	0.0297

Appendix C

Missouri State Fleet Performance Measurement Tables

Average Fleet Fuel Economy

New Acquisition Passenger Cars..... C-2

New Acquisition Light-Duty Trucks..... C-3

Percent Alternative Fuel Vehicles

New Vehicle Acquisitions..... C-4

Percent Alternative Fuel Usage in Alternative Fuel Vehicles

B20 and Exempt Usage Not Included C-5

B20 and Exempt Usage Included..... C-6

**AVERAGE FLEET FUEL ECONOMY
NEW ACQUISITION PASSENGER CARS**

**MISSOURI STATE FLEET
FISCAL YEAR 2018**

The CAFE standard for newly-built passenger cars is 38 mpg. In the following table, the average vehicle fuel efficiency of new acquisition passenger cars is shown for each agency. Passenger cars include both cars and station wagons that are eligible to meet vehicle fuel efficiency standards. If an agency is not shown, the agency did not report acquiring any new passenger cars that were eligible to meet state vehicle fuel efficiency requirements throughout the fiscal year.

DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	49.2
DEPARTMENT OF SOCIAL SERVICES	44.6
DEPARTMENT OF NATURAL RESOURCES	42.6
DEPARTMENT OF MENTAL HEALTH	42.5
DEPARTMENT OF HEALTH AND SENIOR SERVICES	41.9
UNIVERSITY OF MISSOURI	41.5
DEPARTMENT OF REVENUE	41.2
DEPARTMENT OF INSURANCE, FIN. INSTITUTIONS AND PROF. REGISTRATION	39.4
DEPARTMENT OF PUBLIC SAFETY	39.0
DEPARTMENT OF AGRICULTURE	37.7
SOUTHEAST MISSOURI STATE UNIVERSITY	36.9
DEPARTMENT OF TRANSPORTATION	36.8
OFFICE OF ADMINISTRATION	35.8
DEPARTMENT OF CORRECTIONS	34.9
DEPARTMENT OF CONSERVATION	33.6
TRUMAN STATE UNIVERSITY	32.6
MISSOURI STATE FLEET AVERAGE	40.6

**AVERAGE FLEET FUEL ECONOMY
NEW ACQUISITION LIGHT DUTY TRUCKS**

**MISSOURI STATE FLEET
FISCAL YEAR 2018**

The CAFE standard for newly-built light-duty trucks is 25.2 mpg. In the following table, the average vehicle fuel efficiency of all new acquisition light-duty trucks is shown for each agency. Light-duty trucks include trucks, vans, and SUVs that are eligible to meet vehicle fuel efficiency standards. If an agency is not shown, the agency did not report acquiring any new light duty trucks that were eligible to meet state vehicle fuel efficiency requirements throughout the fiscal year.

DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS	34.4
DEPARTMENT OF MENTAL HEALTH	34.1
DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	34.0
DEPARTMENT OF HEALTH AND SENIOR SERVICES	34.0
DEPARTMENT OF REVENUE	34.0
DEPARTMENT OF TRANSPORTATION	33.4
DEPARTMENT OF SOCIAL SERVICES	33.3
DEPARTMENT OF CORRECTIONS	32.6
DEPARTMENT OF AGRICULTURE	32.4
SOUTHEAST MISSOURI STATE UNIVERSITY	32.0
DEPARTMENT OF NATURAL RESOURCES	31.4
NORTHWEST MISSOURI STATE UNIVERSITY	30.5
OFFICE OF ADMINISTRATION	29.5
DEPARTMENT OF PUBLIC SAFETY	27.9
OTHER STATE ORGANIZATIONS	23.8
UNIVERSITY OF MISSOURI	23.5
MISSOURI STATE UNIVERSITY	22.7
DEPARTMENT OF CONSERVATION	15.9
MISSOURI STATE FLEET AVERAGE	30.9

**PERCENT ALTERNATIVE FUEL VEHICLES
OF ALL NEW VEHICLE ACQUISITIONS**

**MISSOURI STATE FLEET
FISCAL YEAR 2018**

Agencies that operate less than 16 eligible vehicles are not subject to program acquisition requirements, therefore only agencies that operate greater than 15 eligible vehicles are shown in the following table. At least 70 percent of an agency's fleet vehicle acquisitions over a one year period shall be vehicles capable of using alternative fuels. In keeping with US DOE guidelines, beginning with FY 2014, only one-half credit will be awarded for the purchase of hybrid vehicles.

NORTHWEST MISSOURI STATE UNIVERSITY (3)*	100%
DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION (2)	100%
DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS (3)	100%
DEPARTMENT OF AGRICULTURE (30)	96.7%
DEPARTMENT OF CORRECTIONS (28)	92.9%
OFFICE OF ADMINISTRATION (12)	83.3%
DEPARTMENT OF MENTAL HEALTH (28)	82.1%
DEPARTMENT OF SOCIAL SERVICES (43)	81.4%
SOUTHEAST MISSOURI STATE UNIVERSITY (5)	80%
DEPARTMENT OF TRANSPORTATION (43)	79.1%
DEPARTMENT OF NATURAL RESOURCES (17)	76.5%
DEPARTMENT OF PUBLIC SAFETY (4)	75%
DEPARTMENT OF REVENUE (2)	50%
DEPARTMENT OF HEALTH AND SENIOR SERVICES (4)	50%
DEPARTMENT OF INSURANCE, FIN. INSTITUTIONS AND PROF. REGISTRATION (2)	50%
UNIVERSITY OF MISSOURI (19)	47.4%
DEPARTMENT OF CONSERVATION (7)	42.9%
MISSOURI STATE UNIVERSITY (3)	33.3%
OTHER STATE ORGANIZATIONS (1)	0%
TRUMAN STATE UNIVERSITY (1)	0%
AGENCIES WITH GREATER THAN 15 VEHICLES (257)	78.6%

*Total number of eligible new vehicle acquisitions

**PERCENT ALTERNATIVE FUEL USAGE
IN ALTERNATIVE FUEL VEHICLES - B20 AND
EXEMPT USAGE NOT INCLUDED**

**MISSOURI STATE FLEET
FISCAL YEAR 2018**

Since agencies that operate less than 16 eligible vehicles are not subject to the 30 percent alternative fuel usage requirement described in RSMo 414.400-414.417, only agencies that operate greater than 15 eligible vehicles are shown in the following table. If no number appears, the agency did not report any alternative fuel usage.

MISSOURI STATE UNIVERSITY (7,383)*	100%
UNIVERSITY OF MISSOURI (39,045)	22%
DEPARTMENT OF TRANSPORTATION (48,156)	13%
OFFICE OF ADMINISTRATION (108,877)	7%
DEPARTMENT OF CORRECTIONS (284,155)	6%
NORTHWEST MISSOURI STATE UNIVERSITY (4,439)	5%
DEPARTMENT OF ECONOMIC DEVELOPMENT (8,945)	5%
LINCOLN UNIVERSITY (1,065)	5%
DEPARTMENT OF REVENUE (13,890)	4%
DEPARTMENT OF AGRICULTURE (101,175)	4%
DEPARTMENT OF HEALTH AND SENIOR SERVICES (43,437)	3%
DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS (8,568)	3%
DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION (21,863)	3%
DEPARTMENT OF MENTAL HEALTH (141,722)	2%
DEPARTMENT OF SOCIAL SERVICES (343,172)	1%
DEPARTMENT OF INSURANCE (FIN/PR/CREDIT UNIONS) (24,663)	1%
SOUTHEAST MISSOURI STATE UNIVERSITY (12,551)	0%
OTHER STATE ORGANIZATIONS (12,063)	0%
DEPARTMENT OF NATURAL RESOURCES (90,588)	0%
DEPARTMENT OF CONSERVATION (19,819)	0%
DEPARTMENT OF PUBLIC SAFETY (39,400)	0%
UNIVERSITY OF CENTRAL MISSOURI (2,678)	0%
TRUMAN STATE UNIVERSITY (4,766)	0%
MISSOURI STATE FLEET (1,387,150)	4%

*Total fuel consumption in GGE

**PERCENT ALTERNATIVE FUEL USAGE
IN NON-EXEMPT AND EXEMPT ALTERNATIVE FUEL
VEHICLES – B20 USAGE INCLUDED IN DIESEL
VEHICLES**

**MISSOURI STATE FLEET
FISCAL YEAR 2018**

Since agencies that operate less than 16 eligible vehicles are not subject to the 30 percent alternative fuel usage requirement described in RSMo 414.400-414.417, only agencies that operate greater than 15 eligible vehicles are shown in the following table. If no number appears, the agency did not report any alternative fuel usage.

MISSOURI STATE UNIVERSITY (7,383)*	100%
DEPARTMENT OF TRANSPORTATION (4,725,038)	29%
UNIVERSITY OF MISSOURI (186,527)	6%
OFFICE OF ADMINISTRATION (142,881)	5%
DEPARTMENT OF ECONOMIC DEVELOPMENT (8,945)	5%
LINCOLN UNIVERSITY (1,065)	5%
DEPARTMENT OF HEALTH AND SENIOR SERVICES (44,630)	3%
DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS (9,114)	3%
DEPARTMENT OF CORRECTIONS (558,063)	3%
DEPARTMENT OF REVENUE (18,414)	3%
DEPARTMENT OF AGRICULTURE (169,848)	2%
DEPARTMENT OF MENTAL HEALTH (162,815)	2%
NORTHWEST MISSOURI STATE UNIVERSITY (16,005)	1%
DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION (56,558)	1%
DEPARTMENT OF SOCIAL SERVICES (351,066)	1%
DEPARTMENT OF INSURANCE (FIN/PR/CREDIT UNIONS) (24,663)	1%
DEPARTMENT OF PUBLIC SAFETY (1,363,916)	0%
OTHER STATE ORGANIZATIONS (12,063)	0%
SOUTHEAST MISSOURI STATE UNIVERSITY (24,098)	0%
DEPARTMENT OF CONSERVATION (366,514)	0%
DEPARTMENT OF NATURAL RESOURCES (236,870)	0%
UNIVERSITY OF CENTRAL MISSOURI (9,288)	0%
TRUMAN STATE UNIVERSITY (14,017)	0%
TOTAL ALT-FUEL VEHICLES (8,535,517)	17%

EXEMPT DIESEL VEHICLES

DEPARTMENT OF TRANSPORTATION (4,116,799)	33%
DEPARTMENT OF PUBLIC SAFETY (27,950)	11%
TOTAL B20 USAGE (4,924,022)	28%

MISSOURI STATE FLEET 17%

*Total fuel consumption in GGE

Appendix D

State Fleet Summary Tables and Fleet Data by State Agency

Missouri State Fleet	D-3
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Elected Officials

Attorney General	D-4
Secretary of State	D-5
State Auditor	D-6
State Treasurer	D-7

Executive Departments

Department of Agriculture	D-8
Department of Conservation	D-9
Department of Corrections.....	D-10
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**SUMMARY TABLE
VEHICLE OPERATIONS**

**MISSOURI STATE FLEET
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons	452		5,278,365	241,888		\$504,991		\$219,183
	LDTs, Vans, and SUVs	1,432		8,069,749	480,596		\$1,110,452		\$659,588
	Exempt Vehicles	2,193	1,475		3,376,693		\$7,298,979		\$3,334,196
Hybrid Electric	Cars and Station Wagons	24		370,861	11,462		\$25,717		\$11,289
	LDTs, Vans, and SUVs	1		11,458	568		\$1,280		\$1,137
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs	30		238,775	14,788	0	\$38,258	\$0	\$39,092
	Exempt Vehicles	38	2,360		3,142,253	245,228	\$7,662,465	\$537,767	\$8,907,848
E85	Cars and Station Wagons	1,230		18,454,768	656,091	40,185	\$1,441,917	\$74,724	\$894,524
	LDTs, Vans, and SUVs	1,079		13,689,179	668,782	45,088	\$1,460,052	\$85,555	\$642,872
	Exempt Vehicles	1,608	331		2,218,815	6,087	\$4,725,567	\$12,559	\$1,666,238
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs	2		8,657	1,281	0	\$2,756	\$0	\$3,250
	Exempt Vehicles	0	4		1,190	0	\$2,562	\$0	\$1,505
All Electric	LDTs, Vans, and SUVs	16		13,163		6,612		\$0	\$4,011

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Exempt vehicles are those vehicles that for reasons given in RSMo 414.400-414.417 are exempt from vehicle fuel efficiency and alternative fuel requirements. Eligible vehicles include only those vehicles that are eligible to meet vehicle fuel efficiency and alternative fuel requirements specified in RSMo 414.400-414.417.

At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**ATTORNEY GENERAL
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles	2	0		184		\$417		\$303
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
E85	Cars and Station Wagons								
	LDTs, Vans, and SUVs	1		11,270	605	0	\$1,331	\$0	\$135
	Exempt Vehicles	25	0		12,437	0	\$26,938	\$0	\$14,207
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs								

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At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**SECRETARY OF STATE
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons	3		44,988	1,017		\$2,428		\$1,443
	LDTs, Vans, and SUVs								
	Exempt Vehicles	1	0		101		\$237		\$162
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles	0	1		30	10	\$57	\$19	\$0
E85	Cars and Station Wagons	7		97,814	1,740	1,097	\$3,931	\$2,275	\$3,751
	LDTs, Vans, and SUVs	4		39,917	871	322	\$2,061	\$674	\$1,134
	Exempt Vehicles								
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs								

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At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**STATE AUDITOR
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons								
	LDTs, Vans, and SUVs	1		1,128	64		\$152		\$539
	Exempt Vehicles								
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
E85	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs								

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At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**STATE TREASURER
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons								
	LDTs, Vans, and SUVs	1		692	103		\$225		\$307
	Exempt Vehicles								
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
E85	Cars and Station Wagons	1		8,865	293	9	\$618	\$17	\$1,128
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs								

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At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF AGRICULTURE
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons	3		44,527	1,560		\$3,660		\$672
	LDTs, Vans, and SUVs	34		598,987	26,784		\$61,484		\$13,454
	Exempt Vehicles	9	15		17,749		\$40,733		\$11,919
Hybrid Electric	Cars and Station Wagons	1		14,853	543		\$1,241		\$649
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs	1		11,565	514	0	\$1,185	\$0	\$1,954
	Exempt Vehicles	0	15		28,610	0	\$74,812	\$0	\$35,835
E85	Cars and Station Wagons	48		666,038	22,306	1,111	\$52,051	\$2,227	\$19,207
	LDTs, Vans, and SUVs	101		1,725,809	75,244	3,974	\$173,388	\$7,753	\$68,388
	Exempt Vehicles	3	23		35,937	570	\$83,461	\$1,113	\$13,629
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs								

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At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF CONSERVATION
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons								
	LDTs, Vans, and SUVs	16		181,034	10,120		\$22,560		\$13,412
	Exempt Vehicles	561	274		831,210		\$1,917,736		\$978,987
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles	0	135		169,420		\$442,012		\$359,460
E85	Cars and Station Wagons	12		111,388	4,193		\$9,615		\$14,632
	LDTs, Vans, and SUVs	35		341,672	15,602	34	\$35,790	\$58	\$33,694
	Exempt Vehicles	125	5		154,903	487	\$361,332	\$1,032	\$365,580
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs								

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At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF CORRECTIONS
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons	37		504,283	21,463		\$47,876		\$13,283
	LDTs, Vans, and SUVs	43		312,448	21,468		\$46,106		\$18,024
	Exempt Vehicles	102	147		122,603		\$261,289		\$79,896
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs	1		7,328	1,098	0	\$2,402	\$0	\$5,101
	Exempt Vehicles	0	91		221,794	0	\$532,642	\$0	\$259,854
E85	Cars and Station Wagons	170		2,561,828	108,105	7,336	\$240,551	\$13,764	\$136,899
	LDTs, Vans, and SUVs	160		3,439,677	159,228	14,686	\$349,762	\$27,225	\$89,873
	Exempt Vehicles	14	10		22,039	73	\$46,441	\$158	\$10,119
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs	1		6,180	1,121	0	\$2,411	\$0	\$3,190
	Exempt Vehicles	0	4		1,190	0	\$2,562	\$0	\$1,505
All Electric	LDTs, Vans, and SUVs								

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**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF ECONOMIC DEVELOPMENT
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons	3		33,847	1,131		\$2,428		\$401
	LDTs, Vans and SUVs	1		17,016	689		\$1,421		\$530
	Exempt Vehicles	0	1		23		\$50		\$0
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
E85	Cars and Station Wagons	8		59,696	1,929	282	\$4,263	\$587	\$5,287
	LDTs, Vans, and SUVs	11		144,164	6,582	327	\$14,313	\$634	\$11,518
	Exempt Vehicles								
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs								

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At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons	6		76,204	2,357		\$5,303		\$5,078
	LDTs, Vans, and SUVs	1		8,993	439		\$950		\$430
	Exempt Vehicles	4	6		1,411		\$3,040		\$109
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles	0	34		30,172	0	\$76,781	\$0	\$45,956
E85	Cars and Station Wagons	35		480,212	15,263	511	\$34,701	\$976	\$18,405
	LDTs, Vans, and SUVs	18		146,557	5,927	433	\$11,030	\$866	\$1,504
	Exempt Vehicles	0	1		601	0	\$1,544	\$0	\$0
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs								

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At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF HEALTH AND SENIOR SERVICES
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons	5		99,922	3,176		\$7,495		\$4,126
	LDTs, Vans, and SUVs	1		780	138		\$322		\$263
	Exempt Vehicles	9	2		4,141		\$10,124		\$4,299
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles	0	1		805	0	\$2,261	\$0	\$4,498
E85	Cars and Station Wagons	63		1,292,201	37,256	2,013	\$88,315	\$3,610	\$47,839
	LDTs, Vans, and SUVs	8		95,116	4,678	96	\$11,564	\$177	\$8,478
	Exempt Vehicles	0	1		283	0	\$696	\$0	\$946
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs								

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At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF HIGHER EDUCATION
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons	1		6,224	220		\$479		\$992
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
E85	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs								

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At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF INSURANCE, FINANCIAL INSTITUTIONS AND PROFESSIONAL REGISTRATION
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons	7		86,813	2,993		\$7,048		\$5,127
	LDTs, Vans, and SUVs								
	Exempt Vehicles	5	0		795		\$2,002		\$1,737
Hybrid Electric	Cars and Station Wagons	1		5,860	206		\$485		\$346
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
E85	Cars and Station Wagons	47		661,588	22,178	216	\$51,343	\$426	\$27,177
	LDTs, Vans, and SUVs	6		51,107	2,292	55	\$5,447	\$112	\$2,386
	Exempt Vehicles								
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs								

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Exempt vehicles are those vehicles that for reasons given in RSMo 414.400-414.417 are exempt from vehicle fuel efficiency and alternative fuel requirements. Eligible vehicles include only those vehicles that are eligible to meet vehicle fuel efficiency and alternative fuel requirements specified in RSMo 414.400-414.417.

At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons								
	LDTs, Vans, and SUVs	13		129,791	5,942		\$13,980		\$3,603
	Exempt Vehicles	7	0		2,497		\$5,840		\$3,139
Hybrid Electric	Cars and Station Wagons	1		14,766	432		\$1,012		\$931
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles	0	1		483	0	\$1,302	\$0	\$395
E85	Cars and Station Wagons	6		55,807	1,808	408	\$4,261	\$816	\$6,540
	LDTs, Vans, and SUVs	7		89,693	6,470	0	\$10,564	\$0	\$6,169
	Exempt Vehicles								
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs								

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Exempt vehicles are those vehicles that for reasons given in RSMo 414.400-414.417 are exempt from vehicle fuel efficiency and alternative fuel requirements. Eligible vehicles include only those vehicles that are eligible to meet vehicle fuel efficiency and alternative fuel requirements specified in RSMo 414.400-414.417.

At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF MENTAL HEALTH
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons	33		238,317	9,841		\$22,217		\$15,781
	LDTs, Vans, and SUVs	34		217,752	15,514		\$33,916		\$29,923
	Exempt Vehicles	6	37		12,853		\$28,419		\$20,933
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles	0	13		8,764	0	\$21,579	\$0	\$52,730
E85	Cars and Station Wagons	149		1,631,591	64,839	3,856	\$137,074	\$7,850	\$111,788
	LDTs, Vans, and SUVs	141		1,325,102	73,955	251	\$162,325	\$502	\$95,208
	Exempt Vehicles	0	22		11,190	0	\$25,359	\$0	\$17,739
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs								

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Exempt vehicles are those vehicles that for reasons given in RSMo 414.400-414.417 are exempt from vehicle fuel efficiency and alternative fuel requirements. Eligible vehicles include only those vehicles that are eligible to meet vehicle fuel efficiency and alternative fuel requirements specified in RSMo 414.400-414.417.

At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF NATURAL RESOURCES
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons	13		150,200	4,776		\$11,092		\$1,762
	LDTs, Vans, and SUVs	101		1,037,095	53,234		\$127,010		\$35,326
	Exempt Vehicles	97	71		106,564		\$232,085		\$104,550
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles	0	83		74,965	0	\$177,619	\$0	\$101,030
E85	Cars and Station Wagons	52		456,974	18,249	124	\$35,660	\$282	\$15,817
	LDTs, Vans, and SUVs	137		1,326,011	72,020	100	\$162,058	\$217	\$53,387
	Exempt Vehicles	65	14		61,571	0	\$135,152	\$0	\$36,768
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs	1		2,477	160	0	\$345	\$0	\$60
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs								

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At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF PUBLIC SAFETY
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons	17		262,218	14,611		\$27,386		\$9,263
	LDTs, Vans, and SUVs	24		309,844	17,425		\$40,328		\$15,129
	Exempt Vehicles	513	55		871,487		\$1,801,870		\$761,905
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles	4	38		22,014	549	\$54,267	\$1,231	\$33,144
E85	Cars and Station Wagons	36		533,274	21,065	54	\$48,014	\$123	\$21,763
	LDTs, Vans, and SUVs	32		389,219	18,297	0	\$41,090	\$0	\$12,579
	Exempt Vehicles	825	108		1,296,430	190	\$2,676,328	\$321	\$624,377
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs								

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Exempt vehicles are those vehicles that for reasons given in RSMo 414.400-414.417 are exempt from vehicle fuel efficiency and alternative fuel requirements. Eligible vehicles include only those vehicles that are eligible to meet vehicle fuel efficiency and alternative fuel requirements specified in RSMo 414.400-414.417.

At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF REVENUE
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons	9		135,717	4,163		\$9,078		\$2,134
	LDTs, Vans, and SUVs	1		4,057	265		\$592		\$419
	Exempt Vehicles	13	1		4,206		\$9,156		\$3,926
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles	0	1		958	0	\$2,408	\$0	\$243
E85	Cars and Station Wagons	14		95,567	3,664	0	\$7,954	\$0	\$14,528
	LDTs, Vans, and SUVs	14		236,858	9,717	715	\$20,640	\$1,262	\$6,877
	Exempt Vehicles	5	0		3,441	0	\$7,220	\$0	\$2,856
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs								

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At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF SOCIAL SERVICES
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons	69		1,395,068	50,140		\$110,399		\$51,879
	LDTs, Vans, and SUVs	20		425,279	17,353		\$40,009		\$18,376
	Exempt Vehicles	9	89		48,627		\$82,993		\$60,700
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles	0	3		4,018	6	\$10,783	\$15	\$7,232
E85	Cars and Station Wagons	339		5,696,461	215,919	3,729	\$459,652	\$7,182	\$250,950
	LDTs, Vans, and SUVs	129		2,429,604	123,874	1,011	\$249,510	\$1,991	\$94,180
	Exempt Vehicles	5	0		3,320	0	\$7,610	\$0	\$2,274
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs								

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At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF TRANSPORTATION
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons	24		251,370	8,366		\$17,786		\$15,904
	LDTs, Vans, and SUVs	43		535,597	28,970		\$60,689		\$24,915
	Exempt Vehicles	536	405		1,127,980		\$2,422,143		\$941,281
Hybrid Electric	Cars and Station Wagons	2		17,797	598		\$1,288		\$1,389
	LDTs, Vans, and SUVs	1		11,458	568		\$1,280		\$1,137
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles	3	1,778		2,430,696	244,663	\$5,755,270	\$536,501	\$7,714,096
E85	Cars and Station Wagons	55		1,014,745	30,384	7,616	\$65,795	\$12,735	\$51,509
	LDTs, Vans, and SUVs	24		243,592	11,526	1,145	\$24,231	\$1,930	\$6,405
	Exempt Vehicles	493	94		558,612	2,062	\$1,209,981	\$3,679	\$472,746
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs								

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**SUMMARY TABLE
VEHICLE OPERATIONS**

**OFFICE OF ADMINISTRATION
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons	51		1,092,400	35,382		\$76,652		\$39,211
	LDTs, Vans, and SUVs	80		454,089	31,687		\$64,525		\$53,516
	Exempt Vehicles	25	55		36,785		\$75,355		\$38,716
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs	0		4,584	405	0	\$848	\$0	\$218
	Exempt Vehicles	1	20		28,164	0	\$75,257	\$0	\$29,441
E85	Cars and Station Wagons	130		2,693,815	74,939	9,918	\$171,648	\$18,167	\$116,861
	LDTs, Vans, and SUVs	55		581,888	26,207	926	\$59,458	\$1,899	\$28,560
	Exempt Vehicles	3	2		2,092	119	\$4,619	\$244	\$2,143
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs								

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Exempt vehicles are those vehicles that for reasons given in RSMo 414.400-414.417 are exempt from vehicle fuel efficiency and alternative fuel requirements. Eligible vehicles include only those vehicles that are eligible to meet vehicle fuel efficiency and alternative fuel requirements specified in RSMo 414.400-414.417.

At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**OTHER STATE ORGANIZATIONS
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons	3		25,727	1,615		\$3,690		\$135
	LDTs, Vans, and SUVs	4		21,275	1,266		\$2,824		\$863
	Exempt Vehicles								
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
E85	Cars and Station Wagons	9		92,523	3,224	0	\$7,663	\$0	\$6,462
	LDTs, Vans, and SUVs	12		207,401	8,817	31	\$20,620	\$83	\$5,827
	Exempt Vehicles								
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs								

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At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

State organizations included under the category of other state organizations are the State Offices of the Governor, Lieutenant Governor, Legislature, and Judiciary.

**SUMMARY TABLE
VEHICLE OPERATIONS**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons								
	LDTs, Vans, and SUVs	14		80,000	4,334		\$10,833		\$5,316
	Exempt Vehicles	4	4		3,096		\$6,191		\$3,037
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
E85	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs								

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At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**LINCOLN UNIVERSITY
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons	17		225,101	48,392		\$82,455		\$0
	LDTs, Vans, and SUVs	42		248,128	11,873		\$28,046		\$17,704
	Exempt Vehicles	7	0		5,957		\$11,748		\$0
Hybrid Electric	Cars and Station Wagons	2		4,734	294		\$603		\$0
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs	2		9,473	803	0	\$1,875	\$0	\$1,060
	Exempt Vehicles								
E85	Cars and Station Wagons								
	LDTs, Vans, and SUVs	3		18,781	1,015	71	\$2,286	\$131	\$0
	Exempt Vehicles								
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs								

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At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**MISSOURI SOUTHERN STATE UNIVERSITY
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons	8		46,887	3,203		\$7,815		\$5,561
	LDTs, Vans, and SUVs	1		23	7		\$17		\$695
	Exempt Vehicles	29	1		4,985		\$12,163		\$20,855
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
E85	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs								

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Exempt vehicles are those vehicles that for reasons given in RSMo 414.400-414.417 are exempt from vehicle fuel efficiency and alternative fuel requirements. Eligible vehicles include only those vehicles that are eligible to meet vehicle fuel efficiency and alternative fuel requirements specified in RSMo 414.400-414.417.

At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**MISSOURI STATE UNIVERSITY
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons	22		51,773	2,455		\$4,923		\$8,653
	LDTs, Vans, and SUVs	121		436,951	34,620		\$72,478		\$73,294
	Exempt Vehicles								
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs	7		44,454	3,074		\$7,159		\$4,418
	Exempt Vehicles								
E85	Cars and Station Wagons	3		16,828		881		\$1,341	\$3,688
	LDTs, Vans, and SUVs	14		101,188		9,474		\$17,154	\$14,151
	Exempt Vehicles								
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs	7		3,902		0		\$0	\$2,493

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At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**MISSOURI WESTERN STATE UNIVERSITY
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles	31			10,984		\$25,153		
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles		6		7,505		\$18,312		
E85	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs								

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At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**NORTHWEST MISSOURI STATE UNIVERSITY
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons	8		123,748	4,742		\$11,519		\$5,658
	LDTs, Vans, and SUVs	29		128,125	9,101		\$19,463		\$25,427
	Exempt Vehicles	8	39		19,702		\$39,515		\$41,026
Hybrid Electric	Cars and Station Wagons	8		163,114	3,378		\$8,032		\$4,321
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles	13	0		7,042	0	\$19,188	\$0	\$43,196
E85	Cars and Station Wagons	13		142,753	4,207	326	\$10,481	\$707	\$5,276
	LDTs, Vans, and SUVs								
	Exempt Vehicles	5	0		3,609	0	\$8,990	\$0	\$2,251
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs								

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At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**SOUTHEAST MISSOURI STATE UNIVERSITY
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons	3		1,447	172		\$413		\$637
	LDTs, Vans, and SUVs	95		192,283	21,702		\$51,202		\$71,863
	Exempt Vehicles	14	9		9,907		\$23,428		\$22,182
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles	3	3		2,556	0	\$6,923	\$0	\$6,777
E85	Cars and Station Wagons	3		1,743	141	0	\$331	\$0	\$2,372
	LDTs, Vans, and SUVs	36		148,559	12,384	37	\$29,172	\$91	\$13,522
	Exempt Vehicles	6	3		8,659	0	\$20,496	\$0	\$12,829
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs								

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At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**TRUMAN STATE UNIVERSITY
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons	7		125,754	6,807		\$10,487		\$2,695
	LDTs, Vans, and SUVs	11		54,322	3,916		\$8,452		\$3,812
	Exempt Vehicles	20	1		6,478		\$13,730		\$5,707
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles	2	2		5,282		\$12,727		\$5,706
E85	Cars and Station Wagons	2		33,063	1,205		\$2,585		\$903
	LDTs, Vans, and SUVs	6		83,205	3,561		\$7,832		\$2,876
	Exempt Vehicles	3	0		3,283		\$6,906		\$2,762
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs								

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At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**UNIVERSITY OF CENTRAL MISSOURI
Fiscal Year 2018**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons	7		15,080	817		\$1,879		\$1,870
	LDTs, Vans, and SUVs	78		195,720	18,460		\$43,079		\$20,345
	Exempt Vehicles	7	10		2,727		\$6,187		\$8,980
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles	0	17		5,850	0	\$15,089	\$0	\$24,095
E85	Cars and Station Wagons								
	LDTs, Vans, and SUVs	13		30,278	2,678	0	\$5,518	\$0	\$7,731
	Exempt Vehicles								
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs	1		2,800		0		\$0	\$734

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At-the-pump units are cubic feet for CNG; kWh for electric; and gallons for gasoline, diesel, E85, and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

SUMMARY TABLE

UNIVERSITY OF MISSOURI

VEHICLE OPERATIONS

Fiscal Year 2018

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 Pounds	> 8500 Pounds		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Maintenance
Gasoline	Cars and Station Wagons	96		240,750	12,488		\$30,484		\$26,919
	LDTs, Vans, and SUVs	623		2,478,340	145,122		\$359,790		\$212,102
	Exempt Vehicles	174	253		123,644		\$267,374		\$219,848
Hybrid Electric	Cars and Station Wagons	9		149,737	6,011		\$13,056		\$3,654
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs	19		161,371	8,894		\$24,790		\$26,341
	Exempt Vehicles	12	118		93,124		\$363,176		\$184,162
E85	Cars and Station Wagons	28		49,994	3,186	701	\$5,409	\$1,640	\$11,743
	LDTs, Vans, and SUVs	112		482,511	27,231	11,401	\$60,061	\$22,794	\$78,291
	Exempt Vehicles	31	48		40,408	2,586	\$102,494	\$6,012	\$85,012
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
All Electric	LDTs, Vans, and SUVs	8		6,461		6,612		\$0	\$784

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