

Missouri State Fleet Efficiency and Alternative Fuel Program

Annual Report
State Fiscal Year 2019



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Missouri Department of dnr.mo.gov

NATURAL RESOURCES

Michael L. Parson, Governor

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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 Natural Resources for the development of the Missouri State Fleet Efficiency and Alternative Fuels Program Annual Report.

Pursuant to Section 414.406 RSMo, please find the state fiscal year 2019 Missouri State Fleet Efficiency and Alternative Fuels Program Annual Report 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 Department of Natural Resources' Division of Energy (the "Division") and includes annual fuel consumption, the 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 of Natural Resources annually by the reporting agencies is provided in Appendix D. This report contains data supplied for fiscal year (FY) 2019, July 1, 2018 through June 30, 2019.

State agencies operated a total of 11,869 vehicles during fiscal year 2019 (Table 3), 3,981 of which qualified to meet the vehicle fuel efficiency and alternative fuel requirements (eligible vehicles) as described in the statutes. The remaining 7,888 vehicles were reported as exempt from meeting those requirements (exempt vehicles).

For the eligible vehicles, agencies reported a total of 43,028,637 miles and using 1,923,648 gallons of gasoline; 14,502 gallons of diesel; 59,791 gallons of 85 percent ethanol (E85), including E85 used in exempt vehicles; 1,773 kilowatt hours (kWh) of electricity (53 gasoline gallon equivalents or GGE); 14 gallons of propane, including propane in exempt vehicles; and zero cubic feet of Compressed Natural Gas (CNG). In FY 2019, state employees drove 6.62 percent less state fleet miles than in FY 2018. Gasoline usage decreased by 6.44 percent; E85 usage decreased by 33.70 percent; 14 gallons of propane were consumed, an increase from zero gallons the previous year; CNG usage remained at zero; and electric vehicles consumed 73.19 percent less kWh of electricity. The combined total of biodiesel used by state agencies during the reporting period was equivalent to 1,257,080 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 standard.¹ 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. For MY 2019 vehicles, the Missouri state fleet exceeded the CAFE standard for light-duty trucks, but did not meet the standard for passenger cars.

The Office of Administration, the Department of Economic Development, and the Department of Natural Resources executed a Memorandum of Understanding 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 cannot be acquired or cannot be operated within statutory cost parameters. Existing alternative fuel vehicles being utilized in the state fleet are still subject to the requirement in Section 414.400.2 RSMo.

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

II. Annual Fuel Consumption

Table 1 shows the annual fuel consumption reported by state agencies for state-owned vehicles operated during FY 2019.

Table 1 FY 2019 Fuel Consumption			
Fuel Type	Eligible Vehicles	Exempt Vehicles	All State Vehicles
Gasoline (gallons)	1,923,648	5,347,816	7,271,463
Diesel (gallons)	14,502	3,553,832	3,568,334
Alternative Fuel (gge) *biodiesel is included as B100	40,376	273,847	314,224

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 2019 Fuel Cost			
Fuel Type	Eligible Vehicles	Exempt Vehicles	All State Vehicles
Gasoline	\$4,349,641	\$12,012,226	\$16,361,867
Diesel	\$35,241	\$8,751,234	\$8,786,476
Alternative Fuel	\$113,825	\$665,475	\$779,300
Total	\$4,498,708	\$21,428,935	\$25,927,642

Table 3 shows the number of state-owned vehicles operated by state agencies in FY 2019. The numbers shown include all vehicles acquired, in continuous service, and retired from state service during the period.

Table 3 FY 2019 Number of Vehicles Operated			
Vehicle Type	Eligible Vehicles	Exempt Vehicles	All State Vehicles
Gasoline	1,841	3,605	5,446
Diesel	26	2,346	2,372
Alternative Fuel	2,114	1,937	4,051
Total	3,981	7,888	11,869

During FY 2019, the vehicle miles traveled in eligible state vehicles were 12,906,884 in gasoline and hybrid vehicles, 85,609 in diesel vehicles, and 30,036,144 in AFVs.

III. Average Fleet Fuel Economy

Pursuant to Section 414.400.2 RSMo, each agency’s overall vehicle fleet fuel efficiency for eligible state vehicles are required to meet or exceed the CAFÉ standards set by the federal government.²

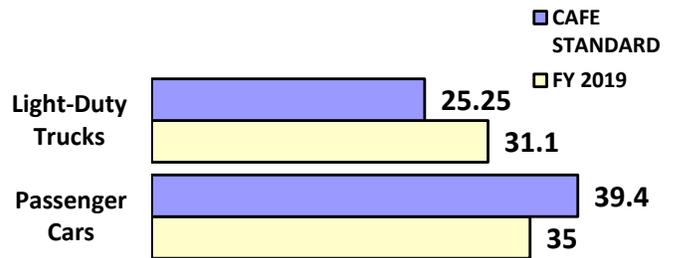
For Model Year 2019 vehicles the CAFE standards are as follows:

- 39.4 mpg for MY 2019 passenger cars,³
- 25.25 mpg for MY 2019 light-duty trucks,

Only new vehicle acquisitions are included in the computation of the average fleet fuel economy.

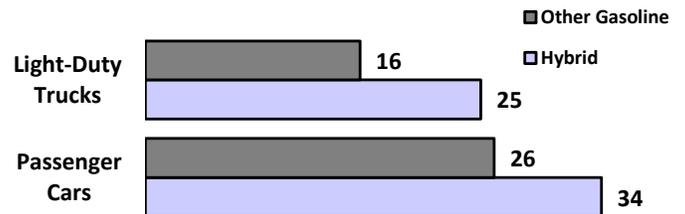
As shown in Figure 1, state agencies reported an average CAFE rating of 35 mpg for cars purchased. Newly purchased trucks earned an overall average CAFE rating of 31.1 mpg. Despite failing to meet the federal CAFE standard for new passenger cars, light duty truck acquisitions exceeded CAFE standards. On average, all agencies made vehicle purchases that exceeded CAFE standards. For additional information, the CAFE ratings earned by each agency and the total ratings earned by the 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)



Overall, as shown in Figure 2, state hybrid light-duty trucks achieved an average of 9 mpg greater than the state’s other gasoline-powered light-duty trucks. State hybrid passenger cars achieved an average of 8 mpg greater than that of other gasoline-powered passenger cars operated by the state fleet.

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



² Average Fuel Economy Standards, 49 U.S.C. § 32902 (2017).

³ Station wagons are included under the passenger car category while light-duty trucks include pickups, sport utility vehicles (SUVs) and vans.

In FY 2019, the Missouri Department of Transportation (MoDOT), the University of Missouri, and the Missouri Department of Public Safety (DPS) reported 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)

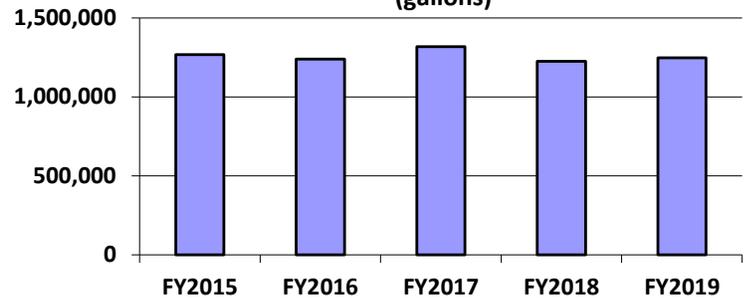


Figure 4 shows the percent of alternative fuel used by the state in alternative fuel vehicles over the past five years. This number does not include the alternative fuel used in exempt AFVs and the biodiesel used in exempt diesel vehicles. The state fleet consumed 40,376 GGE of alternative fuel in eligible vehicles in FY 2019, which equates to three percent of the total fuel consumption for the included vehicle types. Total alternative fuel consumption, including exempt vehicles, is down 15,958 GGE from FY 2018.

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

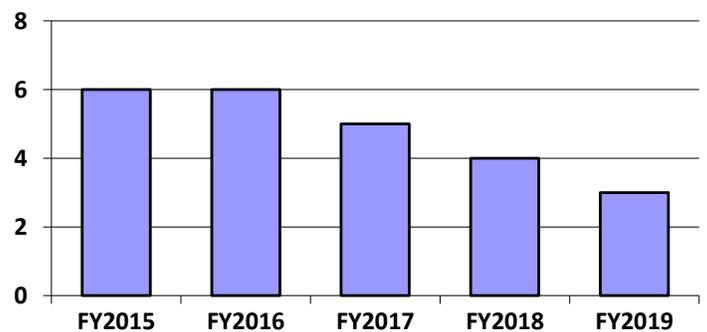


Table 4 shows the corresponding consumption numbers in gallons for gasoline and in GGE for the alternative fuels.

Table 4					
Percent of Alternative Fuel Use In Alternative Fuel Vehicles for FY 2019					
Vehicle Fuel Type	Number of Vehicles	GAS/DSL (gal/GGE)	Alternative Fuel in GGE	Total Fuel in GGE	% Alternative Fuel Use
B20 (exempt vehicles)	2,346	4,015,830	1,407,930	5,423,760	26%
E85	2,106	1,252,269	40,313	1,292,582	3%
E85 (exempt vehicles)	1,932	2,202,727	2,317	2,205,044	.1%
Propane	1	474	11	485	2%
Propane (exempt vehicles)	5	1,338	0	1,338	0%
CNG	0	0	0	0	0%
CNG (exempt vehicles)	0	0	0	0	0%
Electric	8	0	53	53	100%
Total (Eligible vehicles only)	2,115	1,252,743	40,377	1,293,120	3%
Total (Exempt vehicles only)	4,283	6,219,895	1,410,247	7,630,142	18%
Total	6,398	7,472,638	1,450,624	8,923,262	16%

Table 5 shows the location of AFVs in Missouri.

Table 5					
Number of Alternative Fuel Vehicles Based at Fleet Locations					
	FY'15	FY'16	FY'17	FY'18	FY'19
Jefferson City	1,322	1,487	1,589	1,563	1,513
Kansas City	449	413	411	395	380
St. Louis	377	377	389	394	358
Other	1,834	2,071	1,983	1,955	1,849
Total	3,982	4,348	4,372	4,307	4,100

IV. Operating Cost

Table 6 shows the average vehicle operating costs broken down by maintenance costs, fuel cost, and total cost per vehicle mile.

Table 6			
Average Eligible Vehicle Operating Cost for FY 2019			
(in cents per mile)			
Vehicle Type	Maintenance	Fuel	Total
Gas Auto	4.9	8.5	13.4
Gas Truck	25.3	14.2	39.5
Hybrid Auto	2.7	6.7	9.4
Hybrid Truck	2.7	9.7	12.4
Diesel Auto	-	-	-
Diesel Truck	28.9	26.4	55.3
E85 Auto	5.2	8.5	13.7
E85 Truck	4.6	11.6	16.2
LPG Truck	7.3	36.0	43.3
Electric	34.5	0	34.5

Appendices

Appendix A

Federal and Missouri Alternative Fuel Acts: Comparison of Key Provisions

Clean Air Act Public Law 101-549 ⁴	Energy Policy Act Public Law 102-486 ⁵	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		
<p>Vehicles that are garaged at a personal residence overnight are to be considered not capable of central fueling.</p> <p>Law enforcement vehicles.</p> <p>Emergency vehicles.</p>	<p>Private fleet vehicles that are garaged at home overnight are exempted.</p> <p>Law enforcement vehicles. The secretary of energy may terminate this exemption.</p> <p>Emergency vehicles.</p>	<p>Off-road vehicles, maintenance and construction vehicles, and transport trailers.</p> <p>Law enforcement vehicles.</p> <p>Emergency vehicles.</p>
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.

⁴ Clean Air Act, 42 U.S.C. § 7401 (2017).

⁵ 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 ⁶ - 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.

⁶ 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 2019**

The CAFE standard for newly-built passenger cars is 39.4 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 TRANSPORTATION	44.4
MISSOURI STATE UNIVERSITY	44.1
DEPARTMENT OF SOCIAL SERVICES	41.1
SOUTHEAST MISSOURI STATE UNIVERSITY	37.4
ATTORNEY GENERAL	37.4
OTHER STATE ORGANIZATIONS	37.4
DEPARTMENT OF REVENUE	37.4
DEPARTMENT OF AGRICULTURE	37.3
DEPARTMENT OF INSURANCE, FIN. INSTITUTIONS AND PROF. REGISTRATION	37.3
OFFICE OF ADMINISTRATION	35.9
DEPARTMENT OF MENTAL HEALTH	35.8
SECRETARY OF STATE	35.0
DEPARTMENT OF NATURAL RESOURCES	34.6
TRUMAN STATE UNIVERSITY	34.0
DEPARTMENT OF CONSERVATION	34.0
DEPARTMENT OF CORRECTIONS	33.2
MISSOURI WESTERN STATE UNIVERSITY	30.5
DEPARTMENT OF PUBLIC SAFETY	29.6
UNIVERSITY OF MISSOURI	15.4
MISSOURI STATE FLEET AVERAGE	35.0

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

**MISSOURI STATE FLEET
FISCAL YEAR 2019**

The CAFE standard for newly-built light-duty trucks is 25.25 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.

OTHER STATE ORGANIZATIONS	37.6
DEPARTMENT OF TRANSPORTATION	37.0
DEPARTMENT OF PUBLIC SAFETY	34.8
DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS	34.4
DEPARTMENT OF REVENUE	34.0
DEPARTMENT OF SOCIAL SERVICES	33.2
DEPARTMENT OF NATURAL RESOURCES	32.9
DEPARTMENT OF MENTAL HEALTH	32.8
DEPARTMENT OF CORRECTIONS	32.8
DEPARTMENT OF AGRICULTURE	32.0
DEPARTMENT OF CONSERVATION	30.3
MISSOURI STATE UNIVERSITY	27.2
OFFICE OF ADMINISTRATION	26.6
DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	20.6
UNIVERSITY OF MISSOURI	18.2
MISSOURI STATE FLEET AVERAGE	31.1

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

**MISSOURI STATE FLEET
FISCAL YEAR 2019**

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.

DEPARTMENT OF REVENUE (3)	100%
DEPARTMENT OF MENTAL HEALTH (26)	100%
SOUTHEAST MISSOURI STATE UNIVERSITY (1)	100%
DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION (1)	100%
OFFICE OF ADMINISTRATION (10)	100%
TRUMAN STATE UNIVERSITY (1)	100%
DEPARTMENT OF CORRECTIONS (38)	100%
DEPARTMENT OF SOCIAL SERVICES (34)	100%
DEPARTMENT OF CONSERVATION (96)	100%
OTHER STATE ORGANIZATIONS (2)	100%
DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS (2)	100%
DEPARTMENT OF PUBLIC SAFETY (3)	100%
DEPARTMENT OF NATURAL RESOURCES (23)	94.4%
DEPARTMENT OF AGRICULTURE (20)	84.6%
DEPARTMENT OF TRANSPORTATION (33)	78.6%
DEPARTMENT OF INSURANCE, FIN. INSTITUTIONS AND PROF. REGISTRATION (1)	50.0%
UNIVERSITY OF MISSOURI (2)	5%
MISSOURI STATE UNIVERSITY (0)	0%
NORTHWEST MISSOURI STATE UNIVERSITY (0)	0%
AGENCIES WITH GREATER THAN 15 VEHICLES (294)	84%

*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 2019**

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 (5,303)*	100%
NORTHWEST MISSOURI STATE UNIVERSITY (4,801)	100%
SECRETARY OF STATE (5,208)	29%
DEPARTMENT OF REVENUE (15,980)	18%
DEPARTMENT OF TRANSPORTATION (40,380)	11%
OFFICE OF ADMINISTRATION (97,268)	6%
UNIVERSITY OF MISSOURI (22,912)	5%
DEPARTMENT OF ECONOMIC DEVELOPMENT (8,532)	4%
SOUTHEAST MISSOURI STATE UNIVERSITY (13,707)	4%
DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS (6,901)	3%
DEPARTMENT OF HEALTH AND SENIOR SERVICES (35,806)	3%
DEPARTMENT OF AGRICULTURE (90,358)	3%
DEPARTMENT OF MENTAL HEALTH (137,997)	2%
DEPARTMENT OF CORRECTIONS (285,215)	1%
DEPARTMENT OF SOCIAL SERVICES (317,561)	1%
DEPARTMENT OF CONSERVATION (17,342)	1%
DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION (17,286)	1%
DEPARTMENT OF INSURANCE (FIN/PR/CREDIT UNIONS) (21,116)	<1%
DEPARTMENT OF NATURAL RESOURCES (84,399)	<1%
OTHER STATE ORGANIZATIONS (20,189)	<1%
TRUMAN STATE UNIVERSITY (4,095)	0%
DEPARTMENT OF PUBLIC SAFETY (40,082)	0%
LINCOLN UNIVERSITY (2,004)	0%
ATTORNEY GENERAL (218)	0%
MISSOURI STATE FLEET (1,294,660)	3%

*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 2019**

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 (5,303)*	100%
SECRETARY OF STATE (5,207)	29%
DEPARTMENT OF TRANSPORTATION (5,136,774)	27%
DEPARTMENT OF REVENUE (16,139)	15%
UNIVERSITY OF MISSOURI (178,854)	5%
NORTHWEST MISSOURI STATE UNIVERSITY (100,482)	5%
DEPARTMENT OF ECONOMIC DEVELOPMENT (8,532)	4%
OFFICE OF ADMINISTRATION (131,081)	4%
DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS (7,312)	3%
DEPARTMENT OF HEALTH AND SENIOR SERVICES (37,560)	3%
SOUTHEAST MISSOURI STATE UNIVERSITY (22,625)	2%
DEPARTMENT OF AGRICULTURE (167,226)	2%
DEPARTMENT OF MENTAL HEALTH (157,566)	2%
DEPARTMENT OF SOCIAL SERVICES (325,661)	1%
DEPARTMENT OF CORRECTIONS (557,650)	1%
DEPARTMENT OF INSURANCE (FIN/PR/CREDIT UNIONS) (21,116)	<1%
DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION (50,487)	<1%
DEPARTMENT OF PUBLIC SAFETY (1,358,786)	<1%
OTHER STATE ORGANIZATIONS (20,189)	<1%
DEPARTMENT OF NATURAL RESOURCES (218,396)	<1%
DEPARTMENT OF CONSERVATION (369,282)	<1%
UNIVERSITY OF CENTRAL MISSOURI (10,465)	0%
LINCOLN UNIVERSITY (2,004)	0%
TRUMAN STATE UNIVERSITY (11,850)	0%
TOTAL ALT-FUEL VEHICLES (8,920,907)	17%

EXEMPT DIESEL VEHICLES

DEPARTMENT OF TRANSPORTATION (1,397,301)	30%
DEPARTMENT OF PUBLIC SAFETY (3,203)	12%
UNIVERSITY OF MISSOURI (7,426)	6%
TOTAL B20 USAGE (1,407,930)	25%

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
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Secretary of State	D-5
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State Auditor	D-6
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State Treasurer	D-7
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Executive Departments

Department of Agriculture	D-8
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Department of Health and Senior Services	D-13
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Northwest Missouri State University.....	D-30
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**SUMMARY TABLE
VEHICLE OPERATIONS**

**MISSOURI STATE FLEET
Fiscal Year 2019**

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	430		5,361,733	207,463		\$457,005		\$263,252
	LDTs, Vans, and SUVs	1,378		6,927,819	444,983		\$980,487		\$1,751,323
	Exempt Vehicles	2,283	1,318		3,141,714		\$7,132,561		\$3,279,876
Hybrid Electric	Cars and Station Wagons	29		583,783	17,126		\$38,872		\$15,513
	LDTs, Vans, and SUVs	4		33,549	1,333		\$3,245		\$904
	Exempt Vehicles	4	0		2,037		\$4,403		\$357
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs	28		85,609	14,502	0	\$35,241	\$0	\$24,729
	Exempt Vehicles	36	2,310		3,553,832	251,416	\$8,751,234	\$658,933	\$9,913,642
E85	Cars and Station Wagons	1,056		16,143,081	562,350	37,288	\$1,299,958	\$75,361	\$846,864
	LDTs, Vans, and SUVs	1,050		13,871,267	689,919	19,252	\$1,569,006	\$38,424	\$638,915
	Exempt Vehicles	1,621	311		2,202,727	3,251	\$4,872,339	\$6,542	\$1,913,758
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs	1		3,077	474	14	\$1,068	\$40	\$225
	Exempt Vehicles	0	5		1,338	0	\$2,922	\$0	\$3,231
All Electric	LDTs, Vans, and SUVs	8		18,719		1,773		\$0	\$6,460

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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 2019**

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		127		\$282		\$85
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		7329	218	0	\$513	\$0	\$595
	Exempt Vehicles	20	0		9,153	0	\$21,280	\$149	\$12,466
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**

**SECRETARY OF STATE
Fiscal Year 2019**

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		9,755	393		\$984		\$697
	LDTs, Vans, and SUVs								
	Exempt Vehicles	1	0		88		\$209		\$519
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	11		121,063	2,217	1,565	\$5,285	\$3,317	\$6,716
	LDTs, Vans, and SUVs	5		40,910	1,484	549	\$3,603	\$1,205	\$1,518
	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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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**

**STATE AUDITOR
Fiscal Year 2019**

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		1,109	50		\$122		\$198
	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 2019

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		715	83		\$188		\$484
	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		6,651	240	10	\$567	\$21	\$529
	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 2019**

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		42,360	1,504		\$3,652		\$1,439
	LDTs, Vans, and SUVs	32		531,536	23,428		\$55,881		\$25,399
	Exempt Vehicles	19	5		19,392		\$55,004		\$12,570
Hybrid Electric	Cars and Station Wagons	1		14,278	500		\$1,186		\$652
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs	1		17,689	811	0	\$1,924	\$0	\$293
	Exempt Vehicles	0	15		30,232	0	\$85,780	\$0	\$27,728
E85	Cars and Station Wagons	41		535,241	18,904	326	\$45,072	\$703	\$17,629
	LDTs, Vans, and SUVs	104		1,570,372	69,119	2,948	\$163,375	\$6,043	\$55,549
	Exempt Vehicles	3	24		41,403	542	\$94,391	\$1,097	\$18,114
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 2019**

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		16,271	511		\$1,289		\$973
	LDTs, Vans, and SUVs	18		223,777	7,091		\$17,036		\$9,904
	Exempt Vehicles	471	241		685,573		\$1,640,087		\$890,717
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles	0	147		137,508	0	\$387,072	\$0	\$217,711
E85	Cars and Station Wagons	8		87,639	3,332	0	\$7,760	\$0	\$5,386
	LDTs, Vans, and SUVs	28		317,525	13,816	272	\$33,224	\$584	\$33,637
	Exempt Vehicles	223	27		196,496	84	\$464,927	\$158	\$520,717
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 2019**

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	45		648,165	24,644		\$57,915		\$27,624
	LDTs, Vans, and SUVs	45		368,734	25,807		\$56,187		\$21,060
	Exempt Vehicles	108	143		113,363		\$247,730		\$87,996
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles	1	0		249		\$584		\$357
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs	1		4,314	729	0	\$1,729	\$0	\$2,632
	Exempt Vehicles	0	93		221,015	0	\$566,807	\$0	\$239,120
E85	Cars and Station Wagons	141		2,165,336	96,626	3,765	\$221,993	\$7,776	\$111,950
	LDTs, Vans, and SUVs	180		3,898,334	184,345	1,523	\$411,767	\$3,247	\$109,599
	Exempt Vehicles	12	13		22,339	0	\$48,590	\$0	\$11,056
CNG	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Propane	Cars and Station Wagons								
	LDTs, Vans, and SUVs	1		3,077	474	14	\$1,068	\$40	\$225
	Exempt Vehicles	0	5		1,338	0	\$2,922	\$0	\$3,231
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 ECONOMIC DEVELOPMENT
Fiscal Year 2019**

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	2		29,594	931		\$2,110		\$689
	LDTs, Vans and SUVs	1		10,479	403		\$851		\$776
	Exempt Vehicles	0	1		82		\$194		\$1,217
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		53,597	1,664	327	\$3,814	\$755	\$3,721
	LDTs, Vans, and SUVs	11		139,153	6,487	209	\$14,683	\$458	\$6,293
	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 2019**

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		49,909	1,490		\$3,526		\$1,317
	LDTs, Vans, and SUVs	1		4,711	218		\$534		\$702
	Exempt Vehicles	6	2		2,331		\$5,365		\$2,245
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		29,376	0	\$71,472	\$0	\$38,766
E85	Cars and Station Wagons	29		425,901	13,151	233	\$30,696	\$498	\$9,639
	LDTs, Vans, and SUVs	15		108,465	3,952	23	\$9,424	\$51	\$4,304
	Exempt Vehicles	0	1		7	0	\$18	\$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 2019**

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		95,605	3,118		\$7,583		\$4,387
	LDTs, Vans, and SUVs	1		455	135		\$326		\$736
	Exempt Vehicles	26	2		11,927		\$29,041		\$9,433
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		1,155	0	\$3,343	\$0	\$1,305
E85	Cars and Station Wagons	53		1,062,256	30,278	1,418	\$72,428	\$2,900	\$48,898
	LDTs, Vans, and SUVs	7		87,226	4,492	35	\$10,669	\$67	\$3,727
	Exempt Vehicles	0	1		449	0	\$1,091	\$0	\$1,492
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 2019**

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		4,619	156		\$372		\$1,328
	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 2019**

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		106,303	3,757		\$8,957		\$5,918
	LDTs, Vans, and SUVs								
	Exempt Vehicles	12	0		4,772		\$11,434		\$1,923
Hybrid Electric	Cars and Station Wagons	1		0	0		\$0		\$90
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
E85	Cars and Station Wagons	40		557,790	18,822	102	\$44,944	\$210	\$24,548
	LDTs, Vans, and SUVs	6		49,044	2,201	28	\$5,361	\$67	\$2,812
	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 2019**

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	10		88,004	3,916		\$9,496		\$6,149
	Exempt Vehicles	9	1		3,226		\$7,757		\$3,112
Hybrid Electric	Cars and Station Wagons	4		30,438	782		\$1,889		\$576
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles	0	1		410	0	\$1,155	\$0	\$479
E85	Cars and Station Wagons	6		51,541	1,616	334	\$4,027	\$721	\$2,562
	LDTs, Vans, and SUVs	8		100,599	5,047	0	\$11,977	\$0	\$3,599
	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 2019**

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	16		155,986	6,343		\$14,329		\$24,167
	LDTs, Vans, and SUVs	41		164,424	10,826		\$25,211		\$25,848
	Exempt Vehicles	19	40		20,619		\$46,734		\$22,053
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles	0	12		7,945	0	\$20,733	\$0	\$52,420
E85	Cars and Station Wagons	144		1,487,333	53,638	3,159	\$109,726	\$7,015	\$126,742
	LDTs, Vans, and SUVs	145		1,432,788	81,821	399	\$183,800	\$749	\$86,412
	Exempt Vehicles	0	21		11,305	0	\$26,917	\$0	\$8,939
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 2019

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	10		132,699	4,161		\$10,072		\$3,383
	LDTs, Vans, and SUVs	88		989,197	49,677		\$114,998		\$43,425
	Exempt Vehicles	95	72		105,537		\$242,837		\$83,065
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles	0	80		63,237	0	\$169,568	\$0	\$75,501
E85	Cars and Station Wagons	32		332,815	11,126	31	\$26,072	\$71	\$15,084
	LDTs, Vans, and SUVs	134		1,356,874	73,114	191	\$170,264	\$428	\$55,226
	Exempt Vehicles	65	14		62,539	0	\$144,968	\$0	\$34,255
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 PUBLIC SAFETY
Fiscal Year 2019**

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		265,087	9,716		\$20,253		\$13,662
	LDTs, Vans, and SUVs	23		273,817	18,858		\$43,208		\$17,623
	Exempt Vehicles	578	54		823,872		\$1,789,794		\$686,127
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		21,075	572	\$53,497	\$1,517	\$31,719
E85	Cars and Station Wagons	29		509,241	17,155	0	\$40,087	\$0	\$25,144
	LDTs, Vans, and SUVs	33		424,507	22,926	0	\$57,644	\$0	\$15,573
	Exempt Vehicles	766	93		1,291,539	207	\$2,774,962	\$372	\$732,312
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 2019**

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		116,450	3,500		\$7,924		\$8,601
	LDTs, Vans, and SUVs	1		4,904	348		\$788		\$607
	Exempt Vehicles	20	1		8,151		\$17,700		\$11,321
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		1,228	0	\$3,264	\$0	\$236
E85	Cars and Station Wagons	13		79,500	2,774	476	\$6,233	\$869	\$8,230
	LDTs, Vans, and SUVs	15		261,114	8,922	3,010	\$19,655	\$5,393	\$8,216
	Exempt Vehicles	2	0		569	0	\$1,342	\$0	\$1,758
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 2019**

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	72		1,530,934	66,052		\$131,917		\$46,863
	LDTs, Vans, and SUVs	17		372,723	15,374		\$36,422		\$17,284
	Exempt Vehicles	18	82		44,885		\$107,535		\$48,935
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		5,473	0	\$15,651	\$0	\$4,295
E85	Cars and Station Wagons	292		5,171,638	195,602	4,335	\$462,915	\$8,384	\$259,634
	LDTs, Vans, and SUVs	136		2,490,809	118,329	756	\$265,675	\$1,511	\$97,691
	Exempt Vehicles	4	0		1,916	0	\$4,552	\$0	\$6,642
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 TRANSPORTATION
Fiscal Year 2019**

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		251,692	8,477		\$18,947		\$33,150
	LDTs, Vans, and SUVs	42		585,234	30,287		\$65,932		\$23,804
	Exempt Vehicles	546	415		1,109,866		\$2,503,497		\$1,039,552
Hybrid Electric	Cars and Station Wagons	2		20,168	662		\$1,518		\$4,752
	LDTs, Vans, and SUVs	1		26,189	1,041		\$2,324		\$523
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles	3	1,757		2,818,442	249,518	\$6,861,812	\$655,005	\$8,980,415
E85	Cars and Station Wagons	69		899,420	27,230	5,755	\$61,980	\$9,857	\$67,534
	LDTs, Vans, and SUVs	24		193,199	8,524	734	\$18,847	\$1,239	\$12,789
	Exempt Vehicles	477	96		512,798	2,041	\$1,166,773	\$4,155	\$492,115
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**

**OFFICE OF ADMINISTRATION
Fiscal Year 2019**

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	40		809,578	25,503		\$58,208		\$30,136
	LDTs, Vans, and SUVs	68		355,571	25,095		\$57,024		\$34,237
	Exempt Vehicles	58	57		55,281		\$121,434		\$60,630
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs	1		5,818	479	0	\$1,235	\$0	\$798
	Exempt Vehicles	1	20		24,130	0	\$70,254	\$0	\$22,631
E85	Cars and Station Wagons	100		2,292,027	62,504	6,651	\$143,169	\$13,918	\$97,880
	LDTs, Vans, and SUVs	47		647,758	29,369	916	\$68,238	\$1,968	\$31,312
	Exempt Vehicles	5	4		5,974	41	\$13,266	\$76	\$6,604
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 2019

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	2		33,282	0		\$0		\$1,018
	LDTs, Vans, and SUVs	2		8,399	0		\$0		\$664
	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		93,924	3,169	0	\$7,802	\$0	\$2,811
	LDTs, Vans, and SUVs	12		197,661	16,999	30	\$29,348	\$47	\$8,631
	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**

**HARRIS-STOWE STATE UNIVERSITY
Fiscal Year 2019**

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	2		19,200	902		\$2,256		\$698
	LDTs, Vans, and SUVs	14		134,400	6,315		\$15,789		\$4,884
	Exempt Vehicles	4	4		3,609		\$9,022		\$2,791
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 2019**

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	4		1,996	77		\$167		\$0
	LDTs, Vans, and SUVs	18		52,127	2,117		\$4,617		\$0
	Exempt Vehicles	9	1		4,134		\$8,786		\$0
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles	3	0		1,788		\$3,819		\$0
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
E85	Cars and Station Wagons	4		3,817	93		\$212		\$0
	LDTs, Vans, and SUVs	10		36,056	1,911	0	\$4,067	\$0	\$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 2019**

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	10		47,651	3,450		\$7,589		\$2,823
	LDTs, Vans, and SUVs	1		414	38		\$84		\$57
	Exempt Vehicles	14	10		8,145		\$17,920		\$8,703
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 2019**

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	16		9,276	2,931		\$6,109		\$6,236
	LDTs, Vans, and SUVs	124		76,253	24,656		\$55,267		\$45,222
	Exempt Vehicles								
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs	7		9,280	2,495	0	\$6,538	\$0	\$11,330
	Exempt Vehicles								
E85	Cars and Station Wagons	3		5,297	0	1,851	\$0	\$3,505	\$2,957
	LDTs, Vans, and SUVs	12		15,346	0	5,586	\$0	\$11,407	\$10,023
	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	4		1,934		0		\$0	\$4,574

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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 WESTERN STATE UNIVERSITY
Fiscal Year 2019**

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	42*							
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles	9*							
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								

*Missouri Western State University did not report mileage or fuel usage data.

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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 2019**

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	18		494,802	20,114		\$45,457		\$18,484
	LDTs, Vans, and SUVs	66		415,522	23,076		\$63,451		\$37,343
	Exempt Vehicles	9	0		4,529		\$10,235		\$11,302
Hybrid Electric	Cars and Station Wagons	9		220,411	6,483		\$14,651		\$1,592
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles	1	9		84,673	0	\$186,280	\$0	\$29,452
E85	Cars and Station Wagons	8		144,113	0	6,734	\$0	\$14,344	\$3,409
	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**

**SOUTHEAST MISSOURI STATE UNIVERSITY
Fiscal Year 2019**

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	2		1,122	114		\$284		\$535
	LDTs, Vans, and SUVs	84		170,289	20,212		\$49,020		\$46,702
	Exempt Vehicles	13	10		7,327		\$17,582		\$13,385
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		3,593	0	\$10,319	\$0	\$5,211
E85	Cars and Station Wagons	4		4,827	209	0	\$501	\$0	\$1,984
	LDTs, Vans, and SUVs	39		168,202	12,987	717	\$31,366	\$1,548	\$20,345
	Exempt Vehicles	7	3		8,848	14	\$21,676	\$37	\$10,716
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 2019**

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		163,071	5,357		\$12,330		\$2,222
	LDTs, Vans, and SUVs	11		60,728	4,486		\$10,121		\$1,868
	Exempt Vehicles	20	1		4,222		\$9,145		\$5,531
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		5,530	0	\$14,818	\$0	\$5,708
E85	Cars and Station Wagons	2		34,058	1,181	0	\$2,752	\$0	\$975
	LDTs, Vans, and SUVs	6		62,358	2,914	0	\$6,882	\$0	\$3,329
	Exempt Vehicles	1	0		1,506	0	\$3,347	\$0	\$1,587
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 2019**

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		585	160		\$320		\$0
	LDTs, Vans, and SUVs	76		143,874	27,831		\$55,663		\$1,201,931
	Exempt Vehicles	0	5		5,804		\$11,607		\$14,782
Hybrid Electric	Cars and Station Wagons								
	LDTs, Vans, and SUVs								
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs	5		682	5,803	0	\$12,764	\$0	\$2,264
	Exempt Vehicles	10	0		3,458	0	\$7,594	\$0	\$9,968
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	1		3,200		0		\$0	\$141

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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 2019

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	110		325,741	14,100		\$34,454		\$26,904
	LDTs, Vans, and SUVs	592		1,890,423	124,656		\$242,273		\$184,414
	Exempt Vehicles	184	171		94,853		\$221,628		\$261,883
Hybrid Electric	Cars and Station Wagons	12		298,488	8,699		\$19,628		\$7,852
	LDTs, Vans, and SUVs	3		7,360	292		\$921		\$381
	Exempt Vehicles								
Diesel	Cars and Station Wagons								
	LDTs, Vans, and SUVs	13		47,826	4,185	0	\$11,051	\$0	\$7,413
	Exempt Vehicles	3	94		95,353	1,326	\$221,816	\$2,411	\$170,978
E85	Cars and Station Wagons	8		18,056	819	216	\$1,923	\$498	\$2,902
	LDTs, Vans, and SUVs	72		265,638	20,941	1,326	\$48,625	\$2,411	\$67,734
	Exempt Vehicles	36	14		35,885	216	\$84,239	\$498	\$54,986
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	3		13,585		1,773		\$0	\$1,745

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