



# State Agencies Estimated Vehicle Fuel Use and Costs

Fiscal Year 2021 Report  
August 24, 2022

Facilities include:

University of Wisconsin System  
Department of Administration  
Department of Corrections  
Department of Health Services  
Department of Veterans Affairs  
Department of Public Instruction  
Department of Natural Resources  
Department of Transportation

# Wisconsin Office of Energy Innovation

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Department of Health Services  
Department of Public Instruction  
Department of Veterans Affairs  
Department of Natural Resources  
Department of Transportation

Report for Fiscal Year 2021  
8/24/2022

# Acknowledgements

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This report was prepared for the Wisconsin Office of Energy Innovation with supporting documentation provided by the following agencies:

University of Wisconsin System  
Department of Administration  
Department of Corrections  
Department of Health Services  
Department of Public Instruction  
Department of Veterans Affairs  
Department of Natural Resources  
Department of Transportation

This report is a work in progress to provide estimated vehicle fuel use and costs intended for State of Wisconsin agencies as an initial assessment of vehicle fuel use and to develop electric vehicle (EV) conversion and fuel conservation plans. Future reports are planned to document EV and conservation plans based on coordinated input from agency vehicle fleet managers.

This material is based upon work supported by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE) under the State Energy Program Award Number DE-EE0008669.

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State of Wisconsin estimated vehicle fuel use and costs use were compiled, and report prepared, by Innovative Business Engineering, McFarland, Wisconsin.

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# Executive Summary

Transporting people and goods accounts for 1.8 trillion tons, or 27 percent, of U.S. greenhouse gas (GHG) emissions and approximately 70 percent of all U.S. oil use (or about 13.1 million barrels of oil per day, excluding biofuels). With the burning of gasoline and diesel accounting for 59 percent and 24 percent of the transportation sector’s emissions, respectively, significant reductions in auto and truck emissions are essential to climate change mitigation efforts. Fleet electrification coupled with renewable electricity generation are gaining traction, along with cleaner alternative fuels, but increasing the fleet’s energy efficiency remains critical. Increasing vehicle fuel efficiency is a cost-effective way to significantly lower the transportation sector’s emissions and reduce vehicle lifecycle cost without requiring major infrastructure adaptations. In addition, fuel efficiency standards can have beneficial health effects as they lower other forms of harmful emissions, such as air toxics and ultrafine particulates.

Beginning in Fiscal Year 2021 (FY2021), the State Energy Report has been expanded to include estimated vehicle fuel use and costs accounting reports to record, track, and communicate the estimated vehicle fuel use for state agencies. The methodology for estimating vehicle use is based on monthly agency fuels for vehicle expenditures in *OpenBook Wisconsin*, along with corresponding monthly local historical gas prices. The annual State Agency total vehicle fuel expenditures and estimated vehicle fuel use is summarized below (note FY21 Covid 19 shutdown impacts):

Fiscal Year	Vehicle Fuel Expenditures	Estimated Average Price \$/Gallon	Estimated Gallons	Estimated GHG CO2e Emissions Tons (2000 lb/Ton)
2013	\$ 17,659,797	\$ 3.55	4,973,176	48,737
2014	\$ 17,160,773	\$ 3.38	5,079,939	49,783
2015	\$ 14,015,935	\$ 2.57	5,447,965	53,390
2016	\$ 10,144,586	\$ 2.09	4,863,851	47,666
2017	\$ 10,262,209	\$ 2.19	4,684,213	45,905
2018	\$ 11,792,381	\$ 2.44	4,833,754	47,371
2019	\$ 11,685,247	\$ 2.43	4,808,793	47,126
2020	\$ 9,608,852	\$ 2.15	4,471,181	43,818
2021	\$ 6,849,841	\$ 2.19	3,121,348	30,589

This report and estimates are works in progress as a starting point to provide estimated vehicle fuel use and costs intended for State of Wisconsin agencies as an initial assessment of vehicle fuel use and to develop electric vehicle (EV) conversion and fuel conservation plans. Future reports should document EV and conservation plans based on coordinated input from agency vehicle fleet managers for tracking of vehicle fuel use and costs per mile, EV kwh per mile and CO2e GHG emissions (CO2e lb per vehicle mile). More efficient vehicles that run on lower carbon-emitting fuels are critical to meeting energy security and climate protection goals. The State of Wisconsin promotes improvements in vehicle fuel economy, while working to accelerate a transition from petroleum-based fuels to other liquid and non-liquid “fuels” derived from sustainable renewable sources.

The Estimated Vehicle Fuel Use and Costs Reports are updated from time-to-time to reflect vehicle fuel data, accounting data and state agency fleet information input. Please refer to <https://psc.wi.gov/Pages/ServiceType/OEI/WisconsinEnergyStatistics.aspx> for the latest and updated State Agencies Estimated Vehicle Fuel Use and Costs Report.

# Introduction

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## BACKGROUND

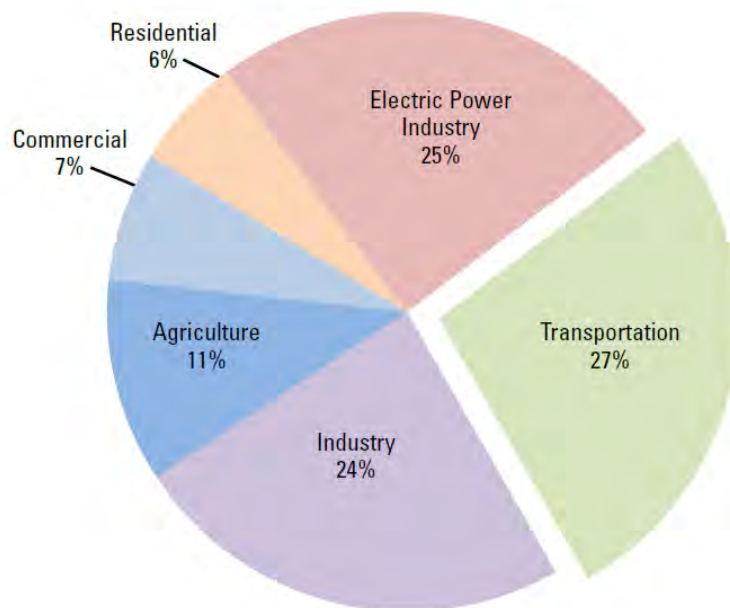
In order to understand the effects of building energy use, water use, vehicle fuel use and GHG emissions on water quality, air quality and human health, there needs to be recurring reports and studies on these effects. The State Facilities Energy Use, Energy GHG CO<sub>2</sub>e Emissions, Estimated Water Use and Estimated Vehicle Fuel Use Reports are also useful for any measurement towards progress of conservation and GHG CO<sub>2</sub>e emissions goals. This will also allow statewide agencies and decision-makers to collaborate to make better-informed decisions on how to reduce use and emissions. Without these data reports and studies, it would be hard to measure progress and see if implemented policies have yielded the intended impacts. These State Reports are developed to track State of Wisconsin facilities' consumption and GHG emissions to measure and help inform agencies regarding progress in Wisconsin's conservation and emissions-reduction goals.

Beginning in FY2021, the Estimated Vehicle Fuel Use and Costs Report was developed to for State Agencies as a work in progress and starting point to provide estimated vehicle fuel use and costs initial assessments. Future reports are planned to document EV and conservation plans based on coordinated input from agency sustainability coordinators and vehicle fleet managers for tracking of vehicle fuel use and costs per mile, EV kwh per mile and CO<sub>2</sub>e GHG emissions (CO<sub>2</sub>e lb per vehicle mile). More efficient vehicles that run on lower carbon-emitting fuels are critical to meeting energy security and climate protection goals. The State of Wisconsin promotes improvements in vehicle fuel economy, while working to accelerate a transition from petroleum-based fuels to other liquid and non-liquid "fuels" derived from sustainable renewable sources.

## VEHICLE FUEL USE AND COST ACCOUNTING AND TRACKING

The vehicle fuel accounting and tracking reports were designed to record, track, and communicate the estimated State Agencies transportation vehicle fuel use and Greenhouse Gas Emissions. The transportation sector is one of the largest contributors to greenhouse gas (GHG) emissions. According to the Inventory of U.S. Greenhouse Gas Emissions 1990-2020, the transportation sector accounted for the largest portion (27%) of total U.S. GHG emissions in 2020. Cars, trucks, commercial aircraft, and railroads, among other sources, all contribute to transportation end-use sector emissions.

Calculations for GHG CO<sub>2</sub>e emissions were based on estimated gallons of vehicle fuel use multiplied times an emissions factor of 19.60 pounds GHG emissions per gallon (EF 19.60) and 2000 pounds per ton.



Share of U.S. GHG Emissions by Economic Sector, 2020<sup>3,4</sup>

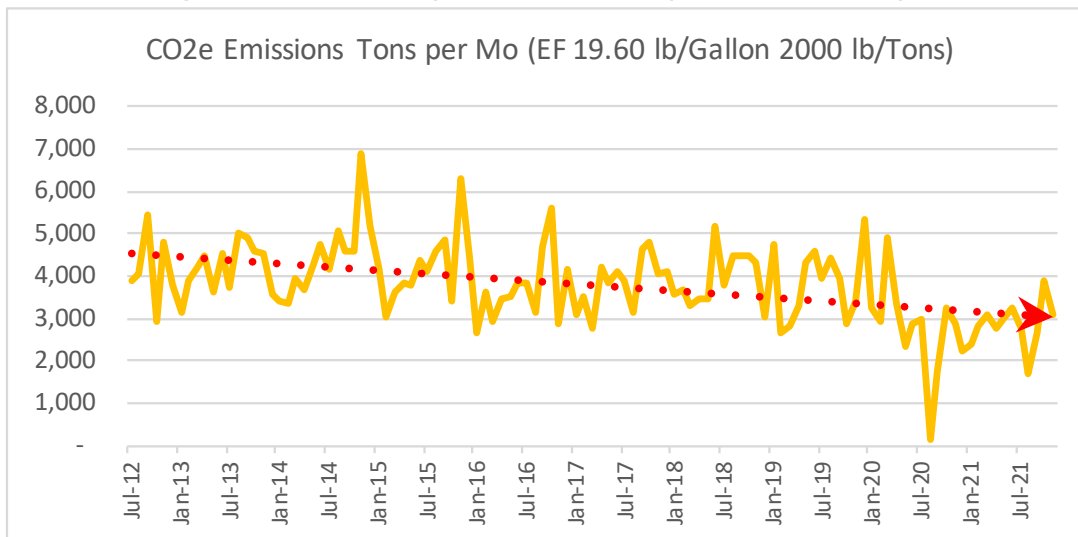
Note: Totals may not add to 100% due to rounding.

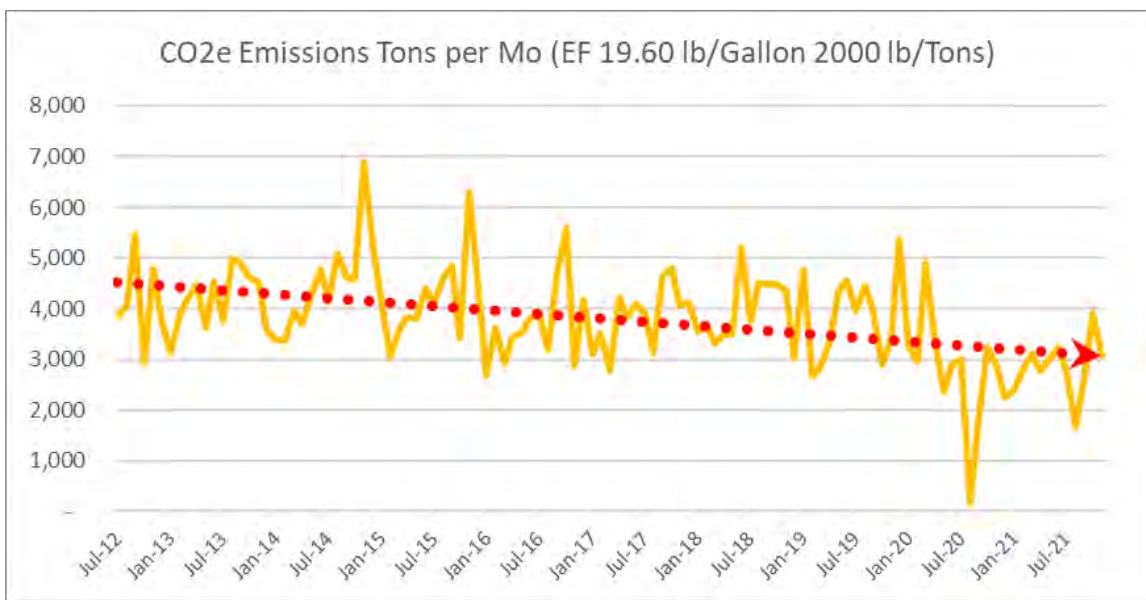
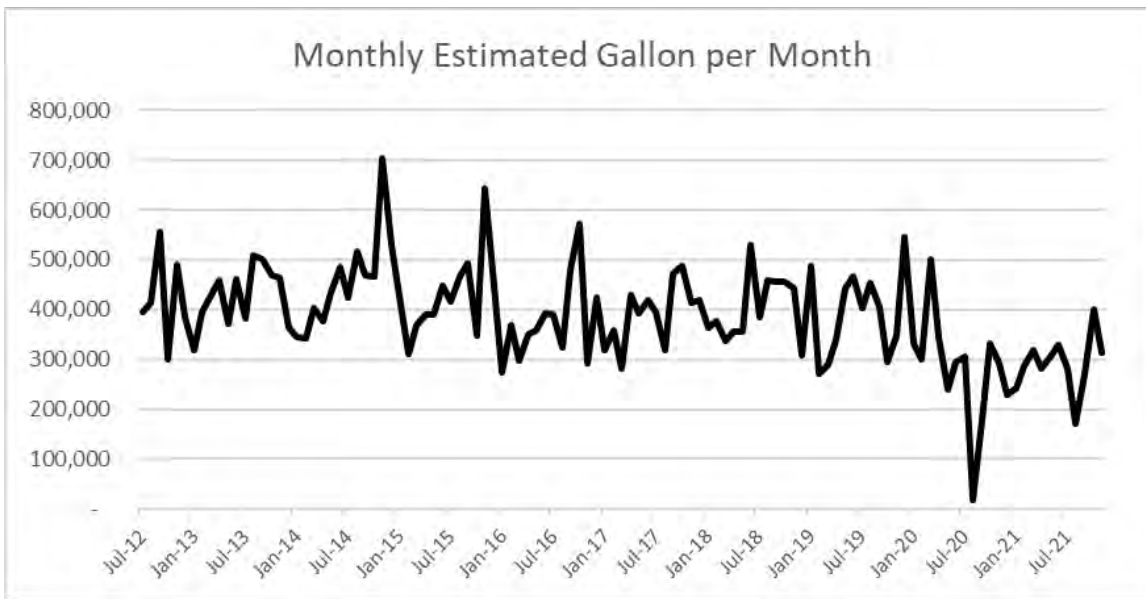
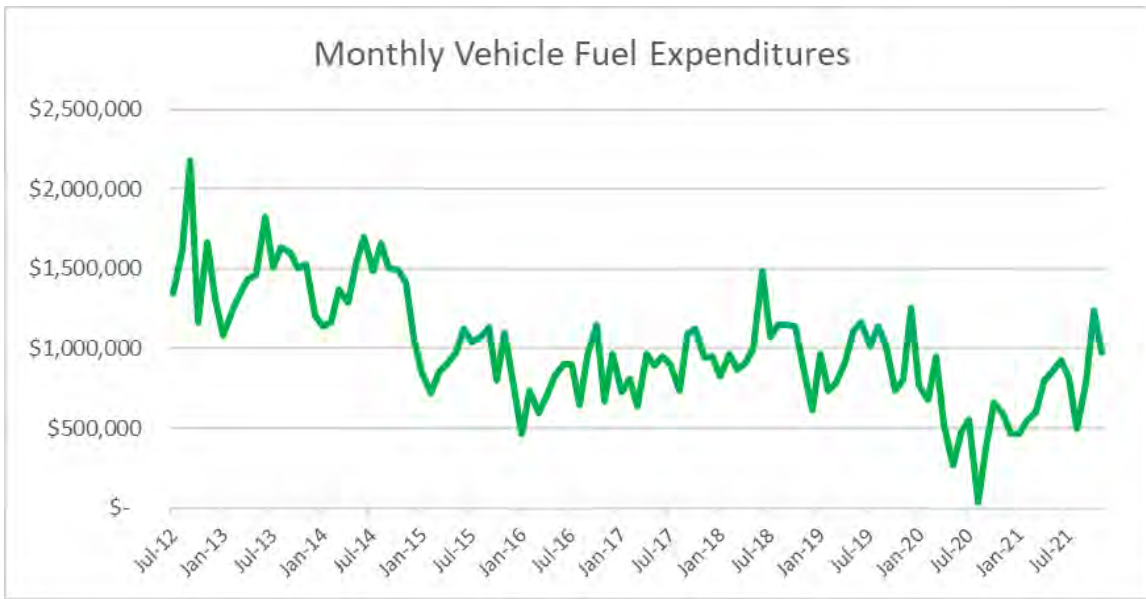
# Statewide Sum of Agencies Estimated Vehicle Fuel Use and Costs



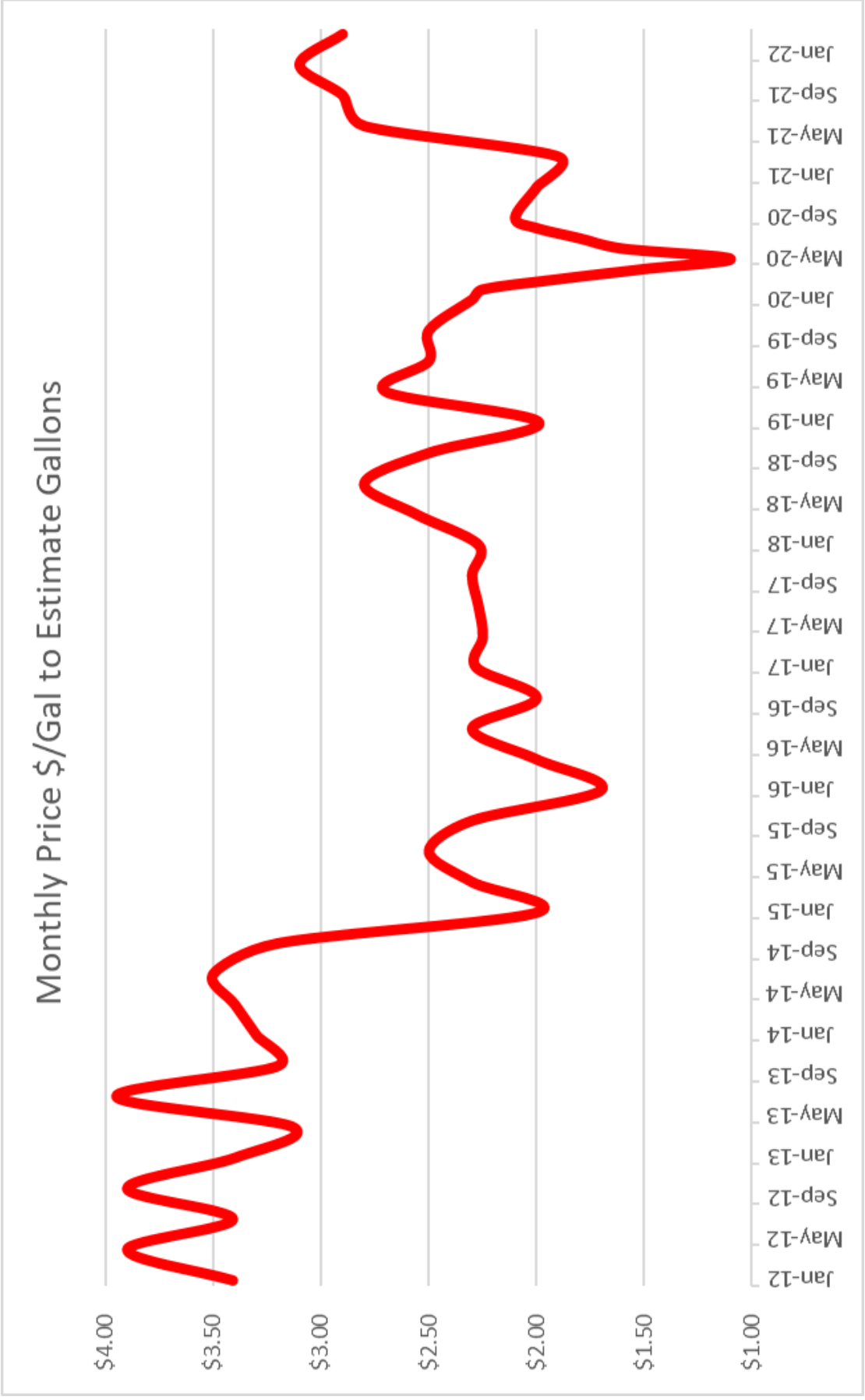
Total Estimated Agency Vehicle Fuel Use & Costs based on <https://openbook.wi.gov/data>:  
 State FY13-FY21 Vehicle Fuel Expenditures w/Estimated Use & CO2e

Fiscal Year	Vehicle Fuel Expenditures	Estimated Gallons	EF 19.60 lb/Gallon CO2 Emissions (2000 lb/Tons)	CO2e Change from FY2013 Baseline
2013	\$ 17,706,248	4,940,709	48,419	0.00%
2014	\$ 17,200,932	5,128,833	50,263	3.81%
2015	\$ 13,666,691	5,444,243	53,354	10.19%
2016	\$ 9,544,739	4,632,284	45,396	-6.24%
2017	\$ 10,021,510	4,579,561	44,880	-7.31%
2018	\$ 11,792,381	4,833,754	47,371	-2.16%
2019	\$ 11,685,247	4,808,793	47,126	-2.67%
2020	\$ 9,608,852	4,471,181	43,818	-9.50%
2021	\$ 6,849,841	3,121,348	30,589	-36.82%









# University of Wisconsin System (UWS)

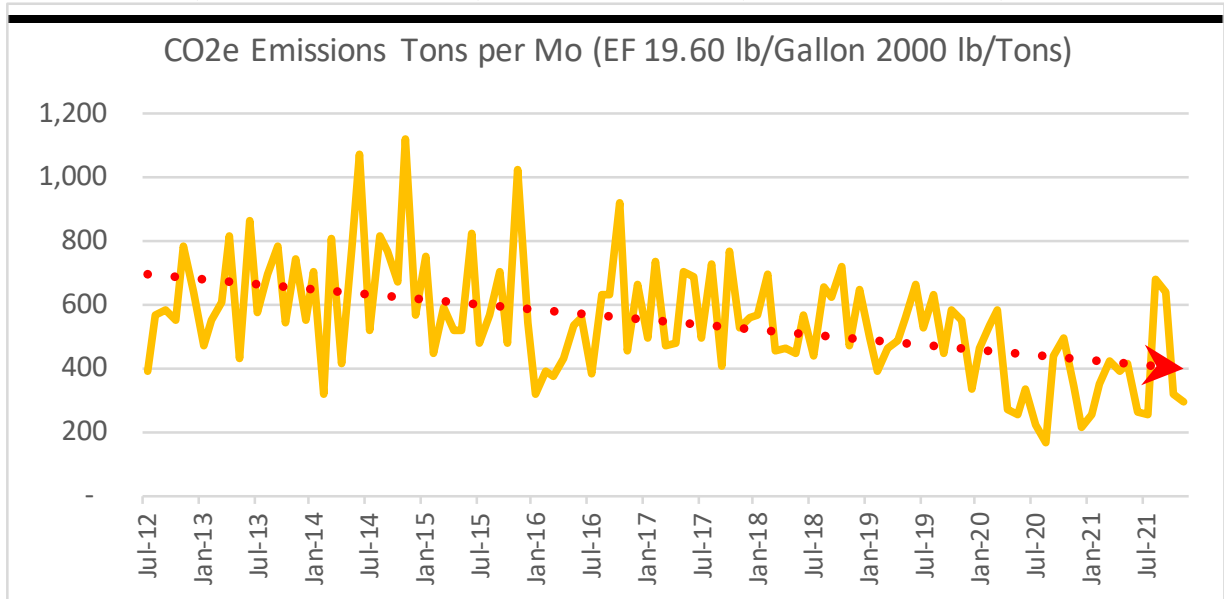


Estimated Agency Vehicle Fuel Use & Costs based on <https://openbook.wi.gov/data>:

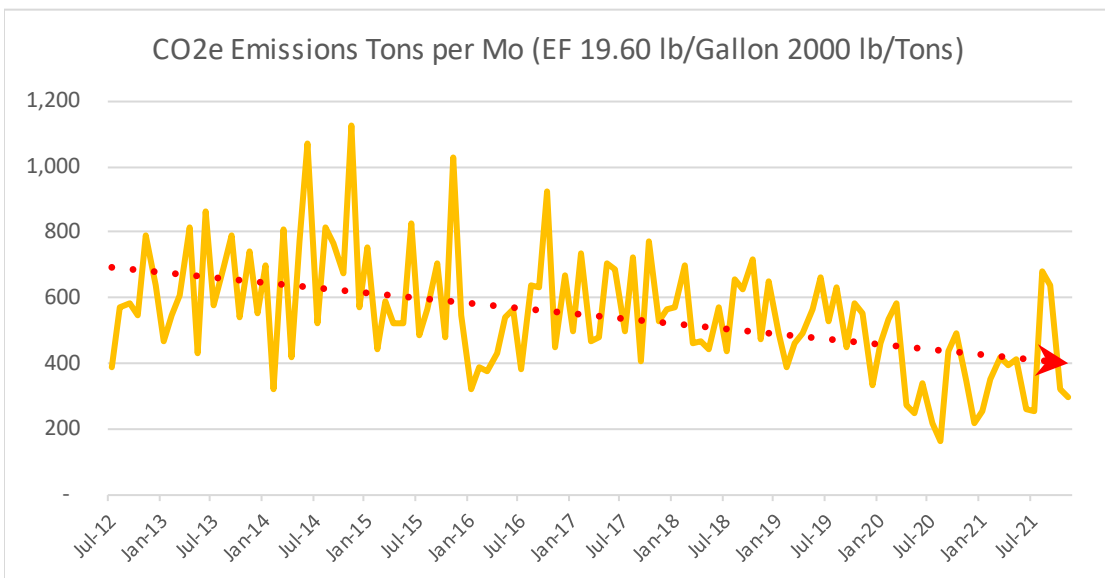
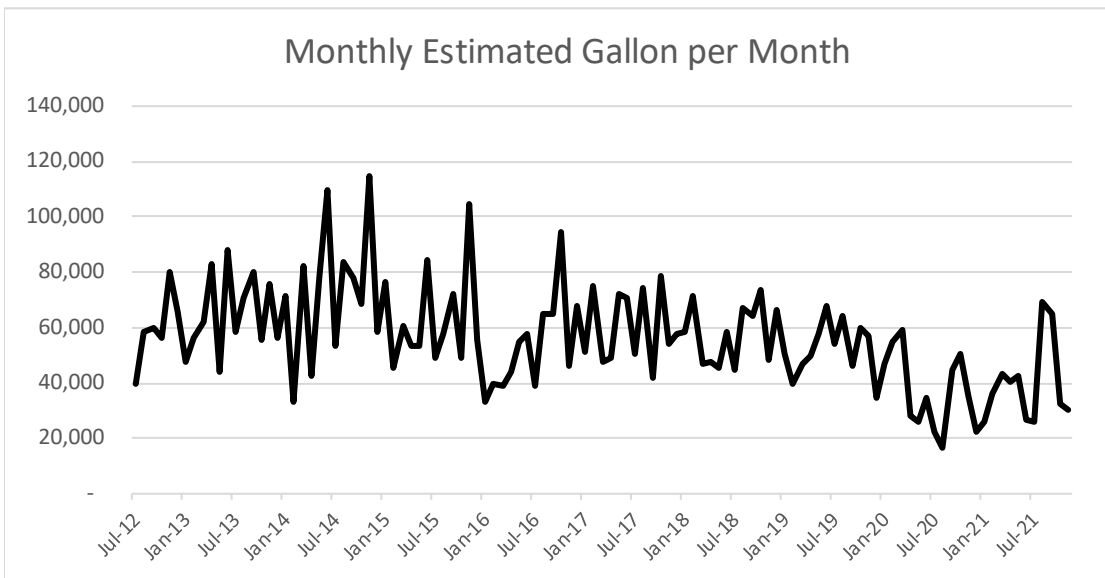
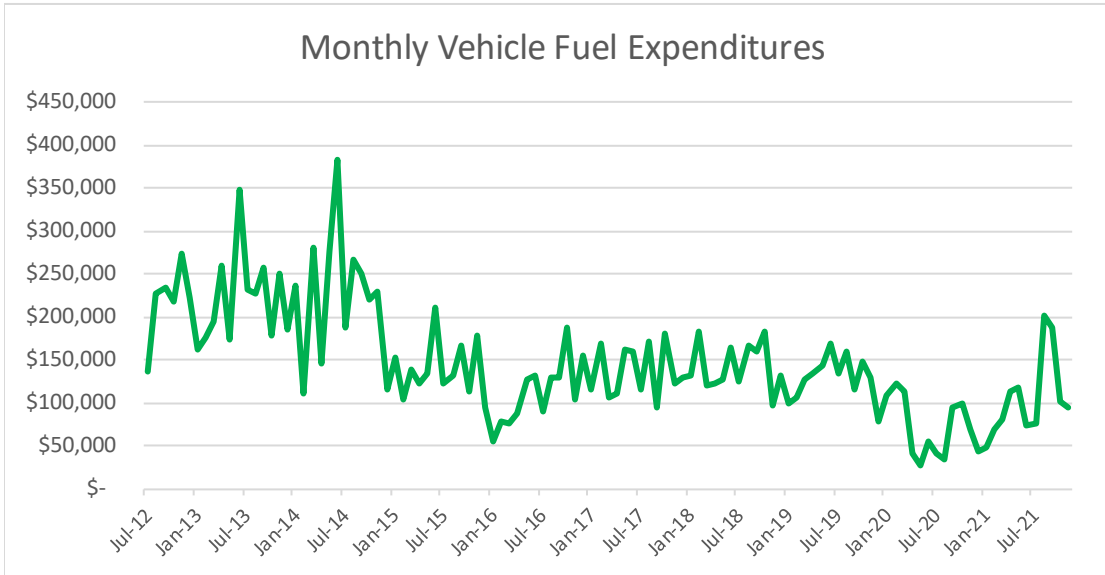
## University of Wisconsin System

### FY13-FY21 Vehicle Fuel Expenditures w/Estimated Use & CO2e

Fiscal Year	Vehicle Fuel Expenditures	Estimated Gallons	EF 19.60 lb/Gallon CO2 Emissions (2000 lb/Tons)	CO2e Change from FY2013 Baseline
2013	\$ 2,624,758	740,913	7,261	0.00%
2014	\$ 2,762,665	815,662	7,993	10.09%
2015	\$ 2,132,570	829,770	8,132	11.99%
2016	\$ 1,368,350	657,126	6,440	-11.31%
2017	\$ 1,622,856	741,785	7,269	0.12%
2018	\$ 1,662,361	684,340	6,707	-7.64%
2019	\$ 1,647,324	676,208	6,627	-8.73%
2020	\$ 1,238,004	563,981	5,527	-23.88%
2021	\$ 888,106	405,751	3,976	-45.24%



## University of Wisconsin System



# Department of Administration (DOA)



State of Wisconsin

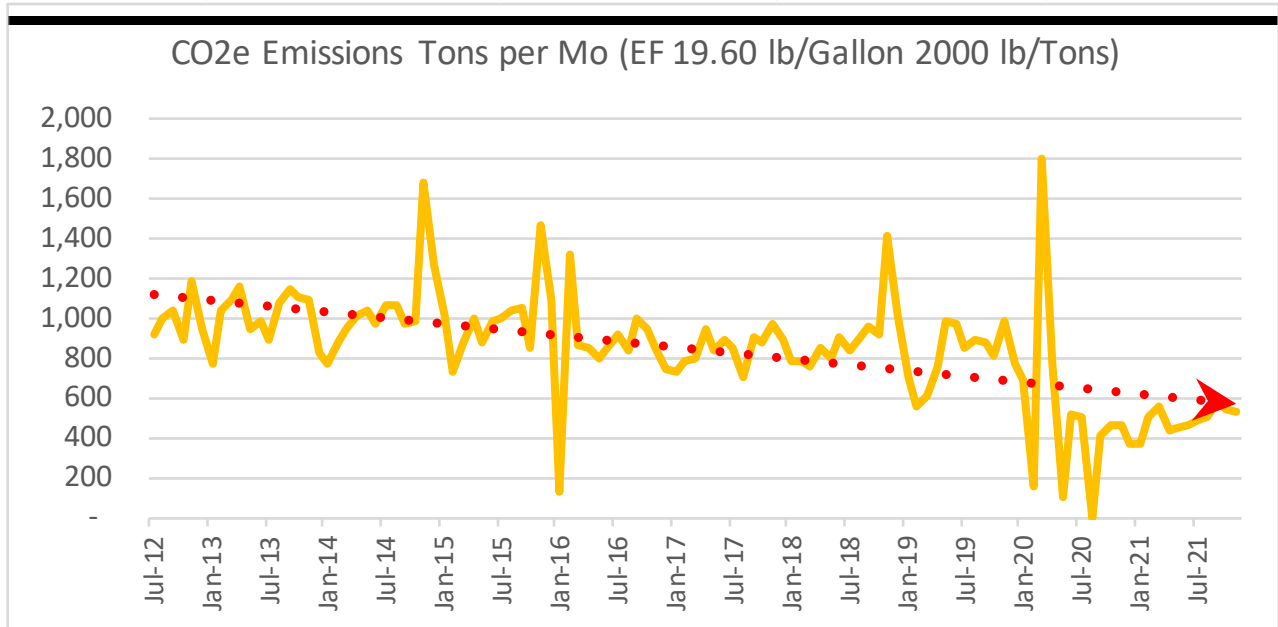
## Department of Administration

Estimated Agency Vehicle Fuel Use & Costs based on <https://openbook.wi.gov/data>:

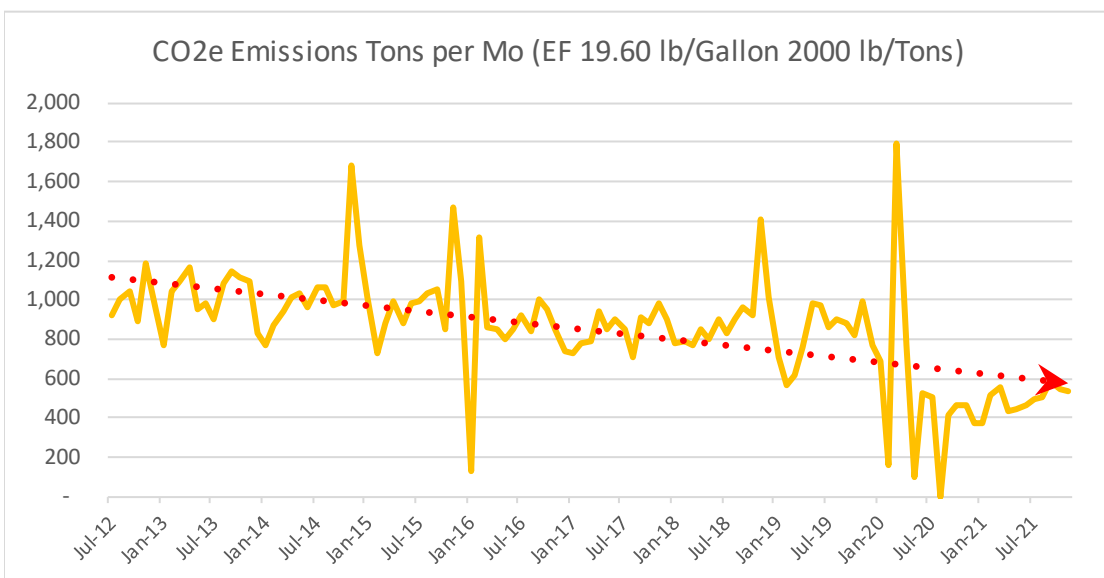
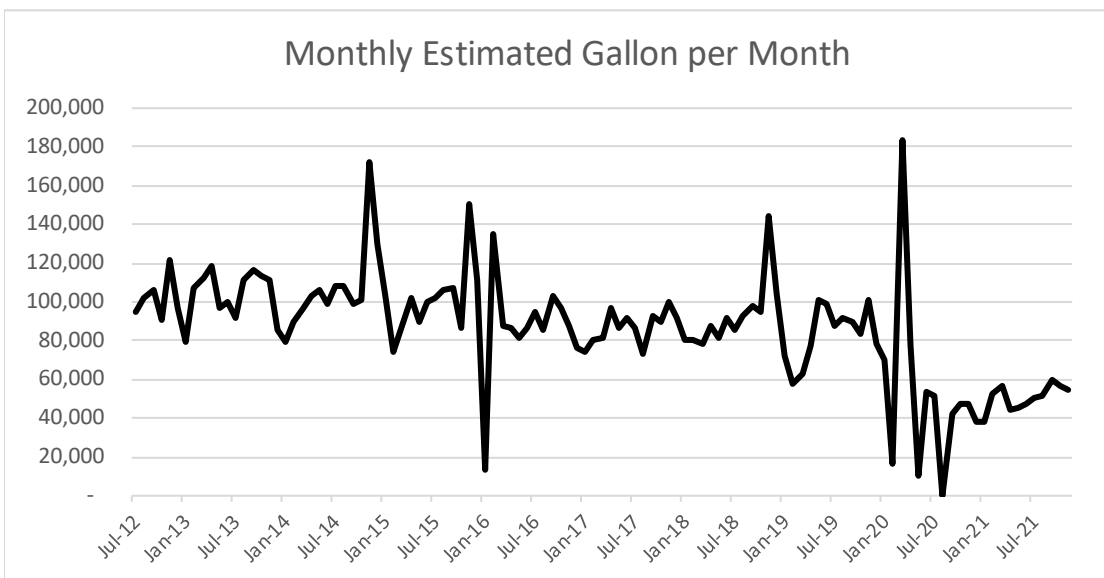
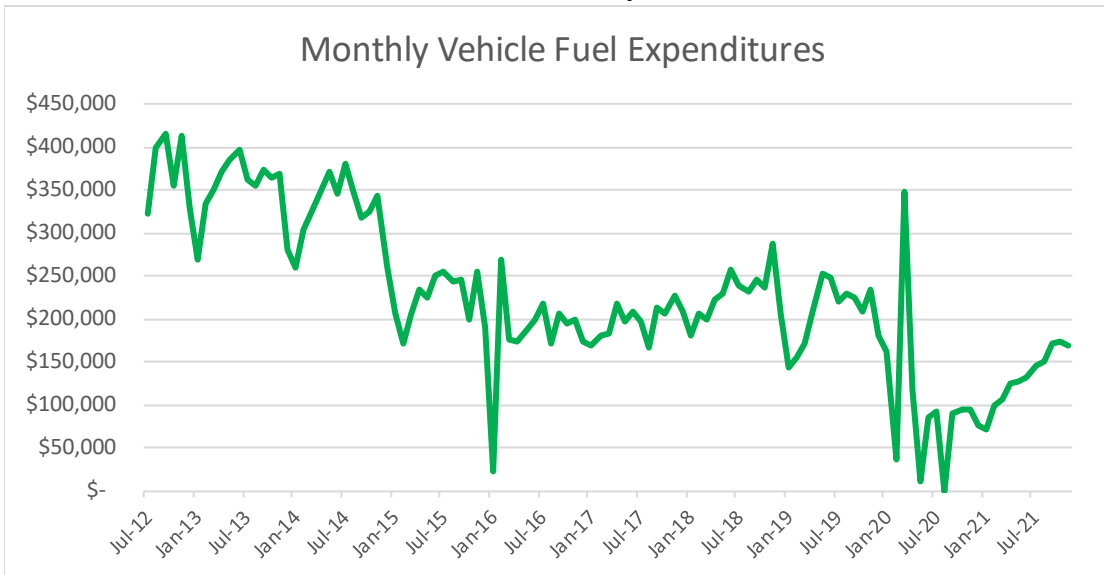
### Administration, Department of

#### FY13-FY21 Vehicle Fuel Expenditures w/Estimated Use & CO2e

Fiscal Year	Vehicle Fuel Expenditures	Estimated Gallons	EF 19.60 lb/Gallon CO2 Emissions (2000 lb/Tons)	CO2e Change from FY2013 Baseline
2013	\$ 4,336,645	1,226,026	12,015	0.00%
2014	\$ 4,061,300	1,201,807	11,778	-1.98%
2015	\$ 3,265,432	1,278,576	12,530	4.29%
2016	\$ 2,415,822	1,153,566	11,305	-5.91%
2017	\$ 2,314,742	1,053,676	10,326	-14.06%
2018	\$ 2,517,206	1,033,539	10,129	-15.70%
2019	\$ 2,624,788	1,089,095	10,673	-11.17%
2020	\$ 2,057,994	945,324	9,264	-22.90%
2021	\$ 1,113,356	511,889	5,017	-58.25%



### Administration, Department of



# Department of Corrections

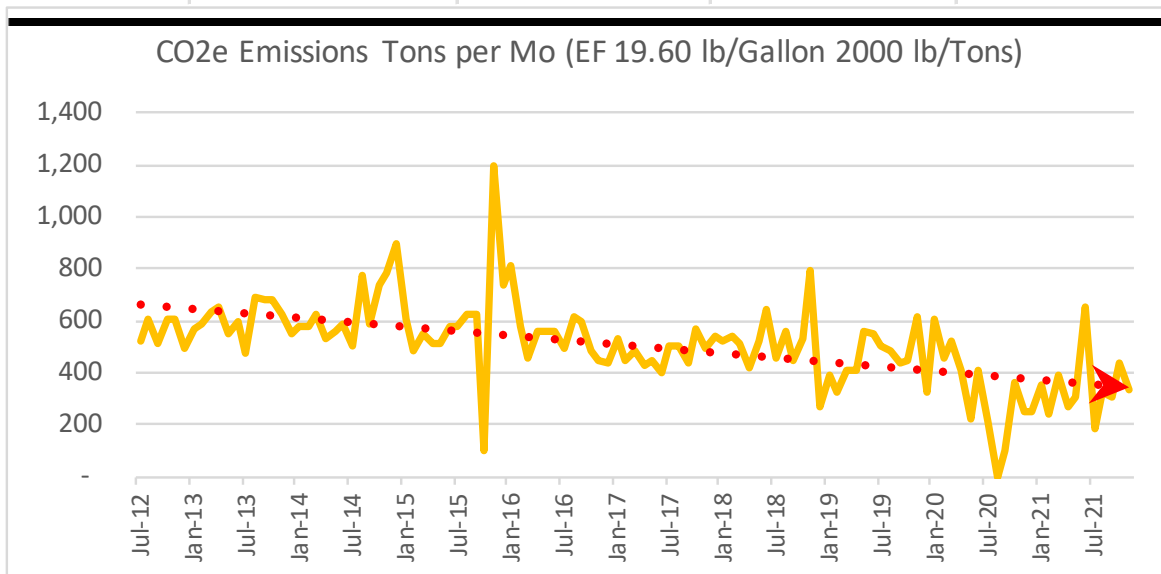


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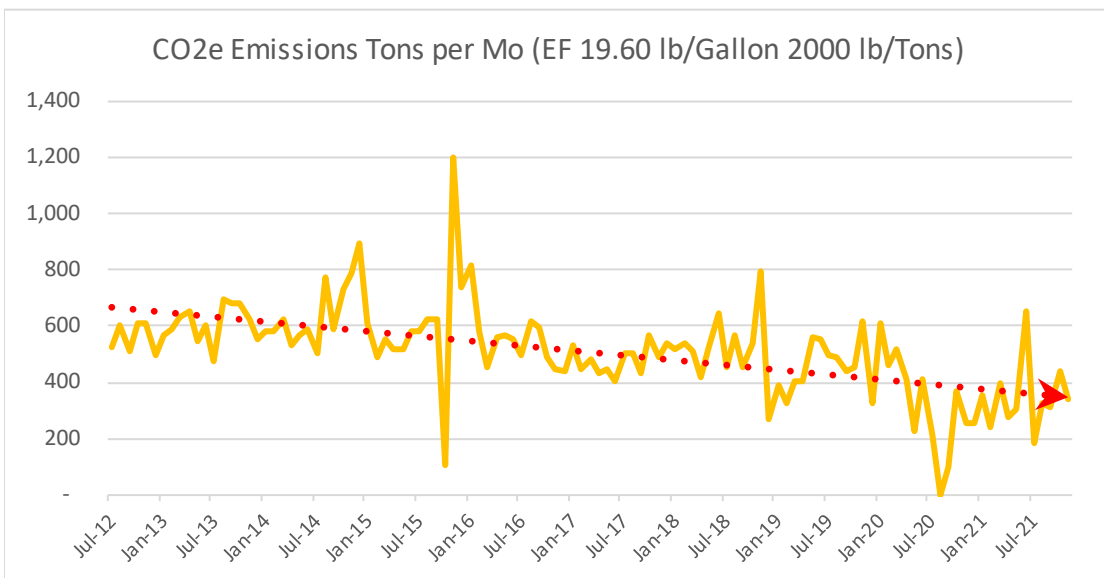
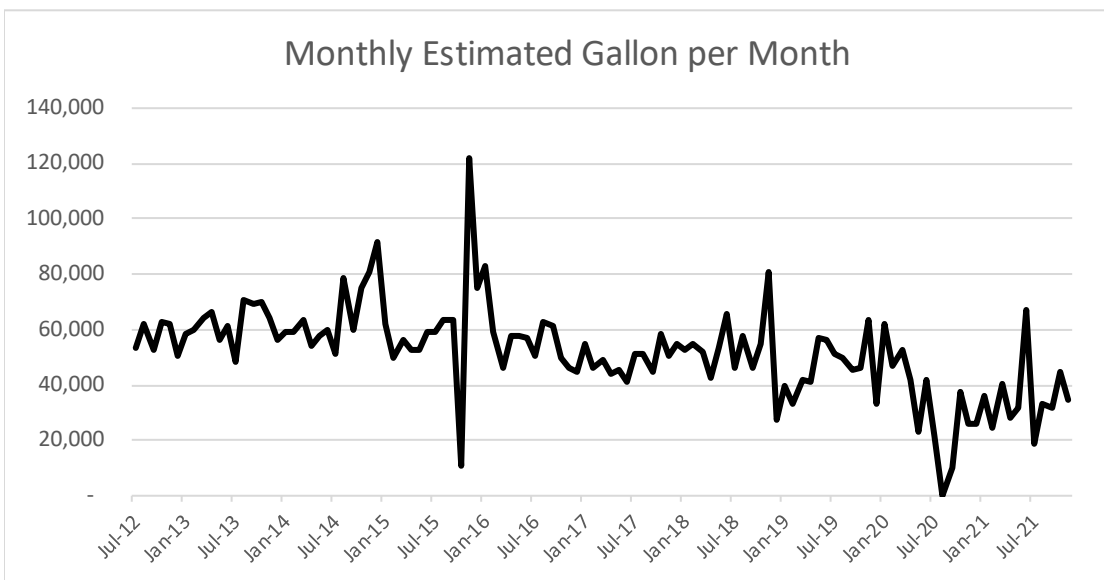
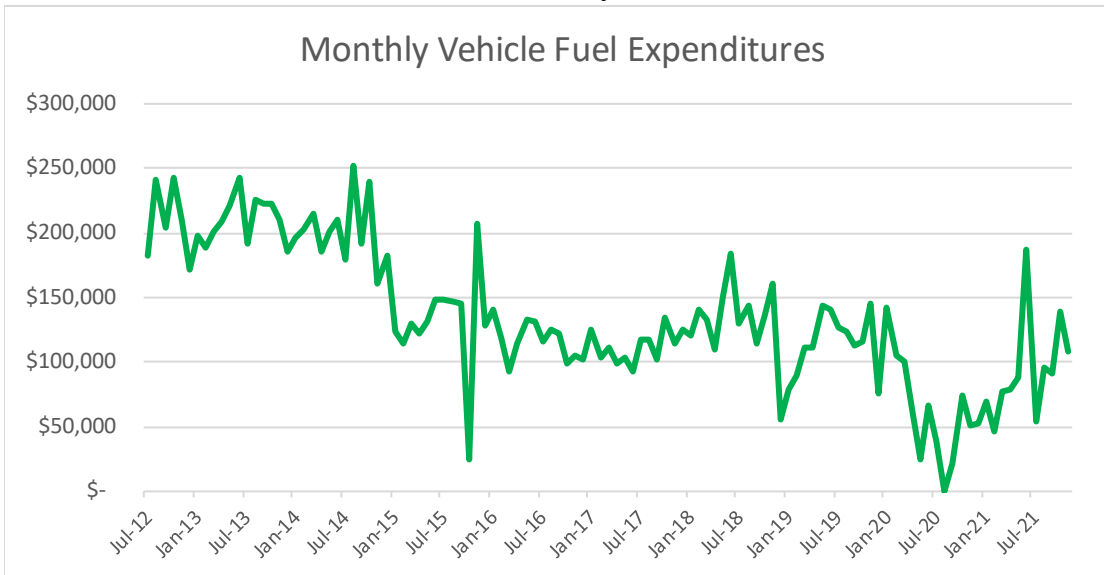
## Corrections, Department of

### FY13-FY21 Vehicle Fuel Expenditures w/Estimated Use & CO2e

Fiscal Year	Vehicle Fuel Expenditures	Estimated Gallons	EF 19.60 lb/Gallon CO2 Emissions (2000 lb/Tons)	CO2e Change from FY2013 Baseline
2013	\$ 2,513,485	709,314	6,951	0.00%
2014	\$ 2,470,392	732,899	7,182	3.33%
2015	\$ 1,977,036	769,840	7,544	8.53%
2016	\$ 1,530,077	754,487	7,394	6.37%
2017	\$ 1,305,009	595,497	5,836	-16.05%
2018	\$ 1,546,312	632,218	6,196	-10.87%
2019	\$ 1,417,563	582,337	5,707	-17.90%
2020	\$ 1,203,712	556,006	5,449	-21.61%
2021	\$ 783,452	347,987	3,410	-50.94%



### Corrections, Department of



# Department of Health Services



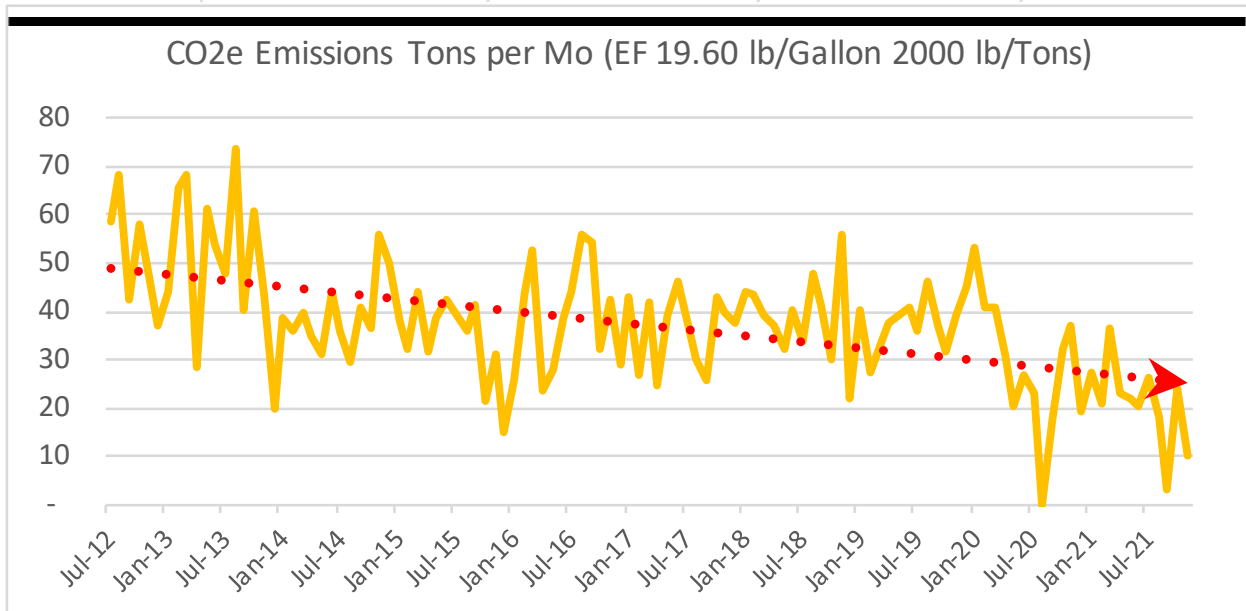
WISCONSIN DEPARTMENT  
of HEALTH SERVICES

Estimated Agency Vehicle Fuel Use & Costs based on <https://openbook.wi.gov/data>:

## Health Services, Department of

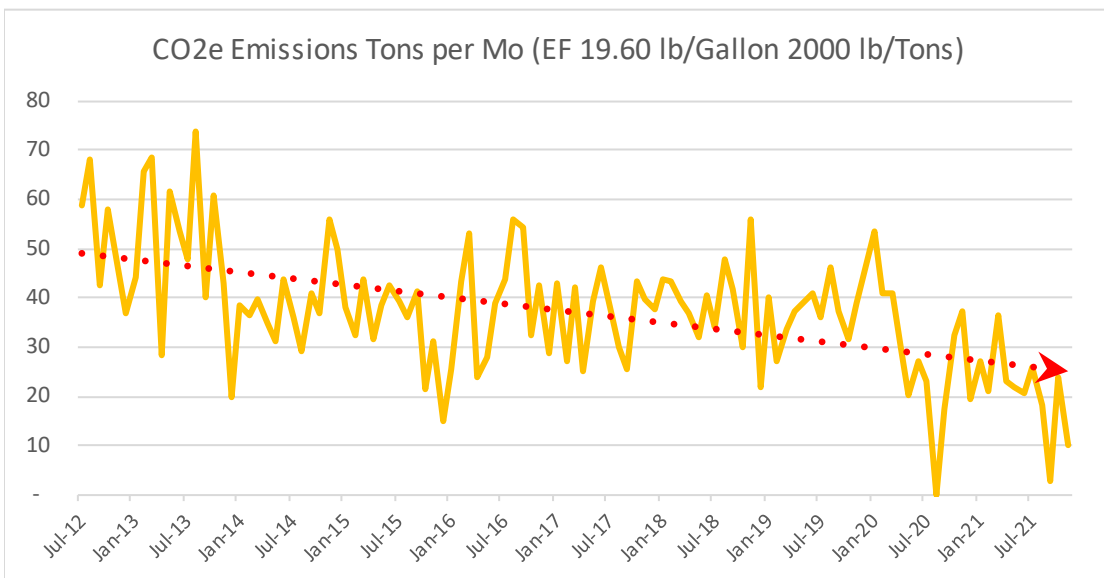
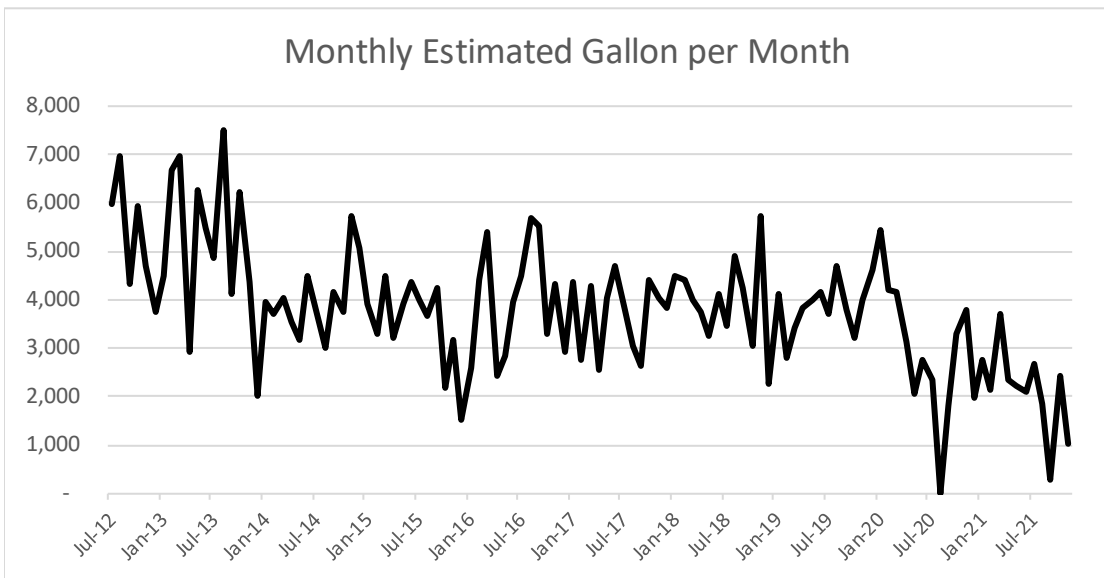
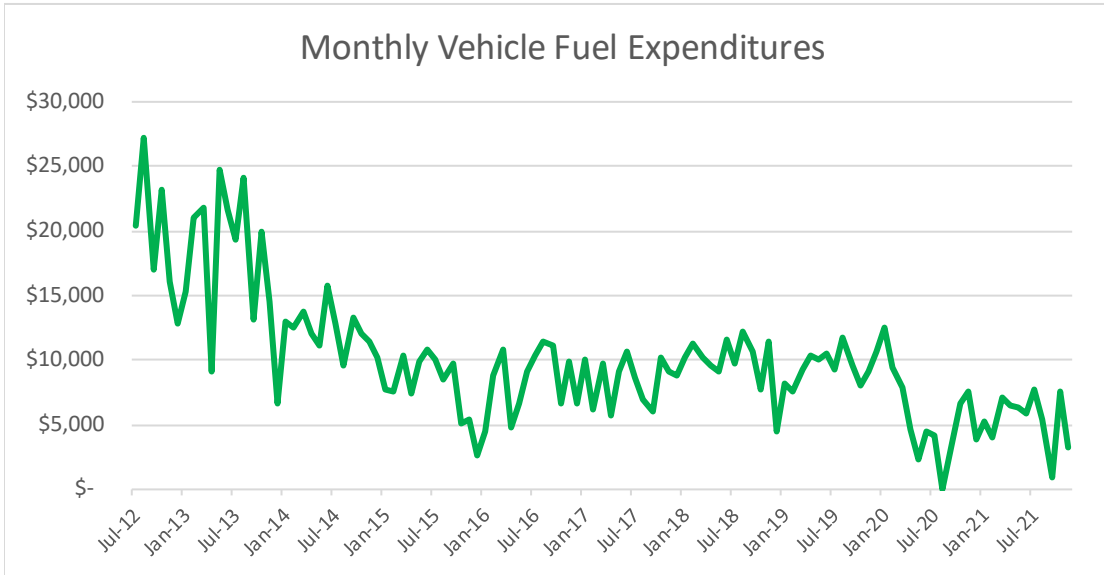
### FY13-FY21 Vehicle Fuel Expenditures w/Estimated Use & CO2e

Fiscal Year	Vehicle Fuel Expenditures	Estimated Gallons	EF 19.60 lb/Gallon CO2 Emissions (2000 lb/Tons)	CO2e Change from FY2013 Baseline
2013	\$ 230,085	64,534	632	0.00%
2014	\$ 175,686	52,011	510	-19.40%
2015	\$ 123,282	48,605	476	-24.68%
2016	\$ 85,820	40,469	397	-37.29%
2017	\$ 107,399	49,016	480	-24.05%
2018	\$ 111,826	45,842	449	-28.97%
2019	\$ 111,810	45,966	450	-28.77%
2020	\$ 99,699	45,832	449	-28.98%
2021	\$ 61,197	28,507	279	-55.83%





### Health Services, Department of



# Department of Public Instruction

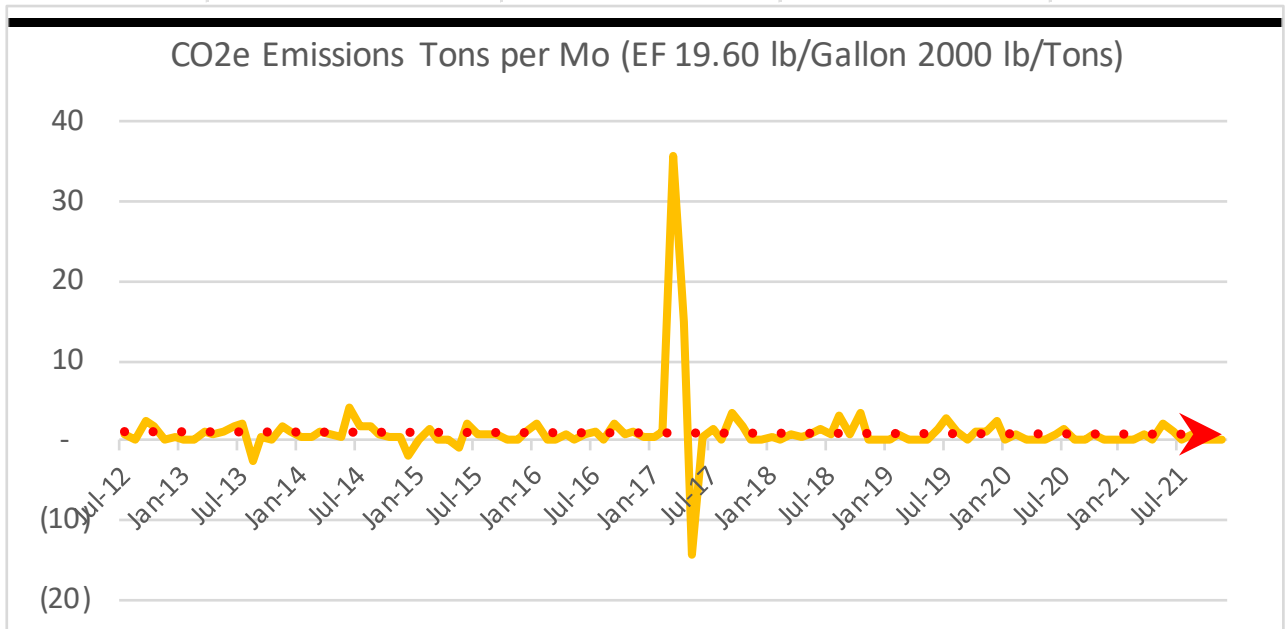


Estimated Agency Vehicle Fuel Use & Costs based on <https://openbook.wi.gov/data>:

## Public Instruction, Department of

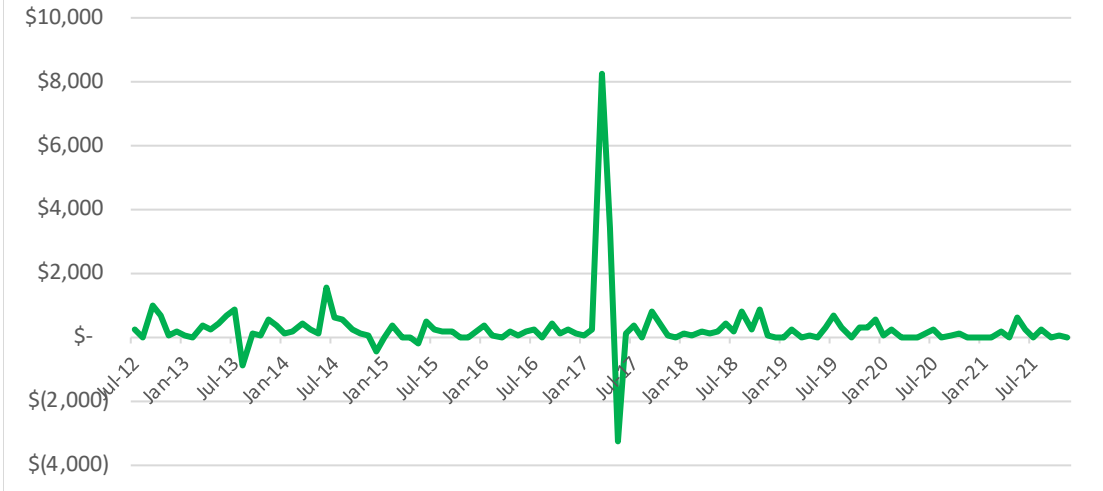
### FY13-FY21 Vehicle Fuel Expenditures w/Estimated Use & CO2e

Fiscal Year	Vehicle Fuel Expenditures	Estimated Gallons	EF 19.60 lb/Gallon CO2 Emissions (2000 lb/Tons)	CO2e Change from FY2013 Baseline
2013	\$ 3,960	1,073	11	0.00%
2014	\$ 3,599	1,005	10	-6.29%
2015	\$ 1,864	569	6	-47.00%
2016	\$ 1,581	778	8	-27.50%
2017	\$ 10,075	4,519	44	321.28%
2018	\$ 2,697	1,113	11	3.72%
2019	\$ 2,766	1,097	11	2.28%
2020	\$ 2,494	1,067	10	-0.49%
2021	\$ 1,512	650	6	-39.42%

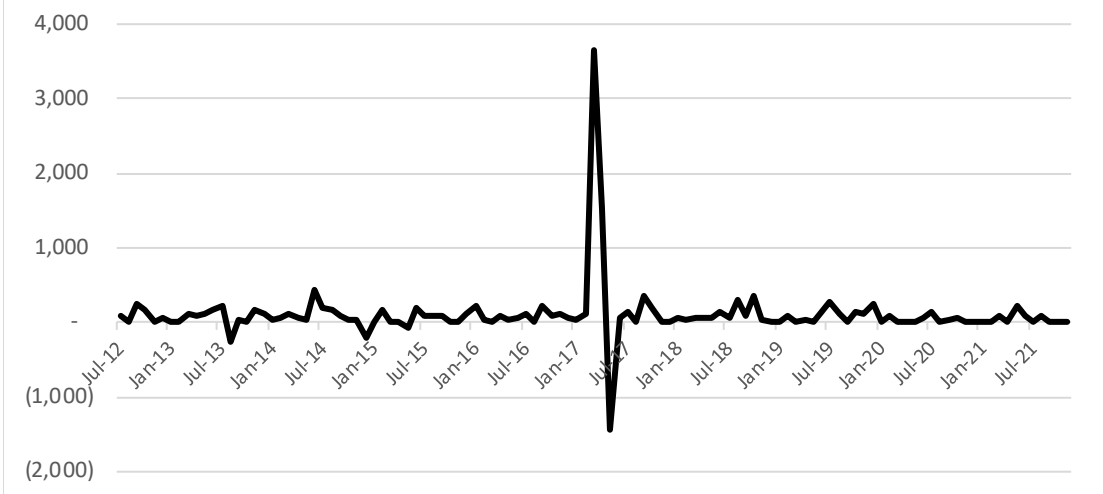


Public Instruction, Department of

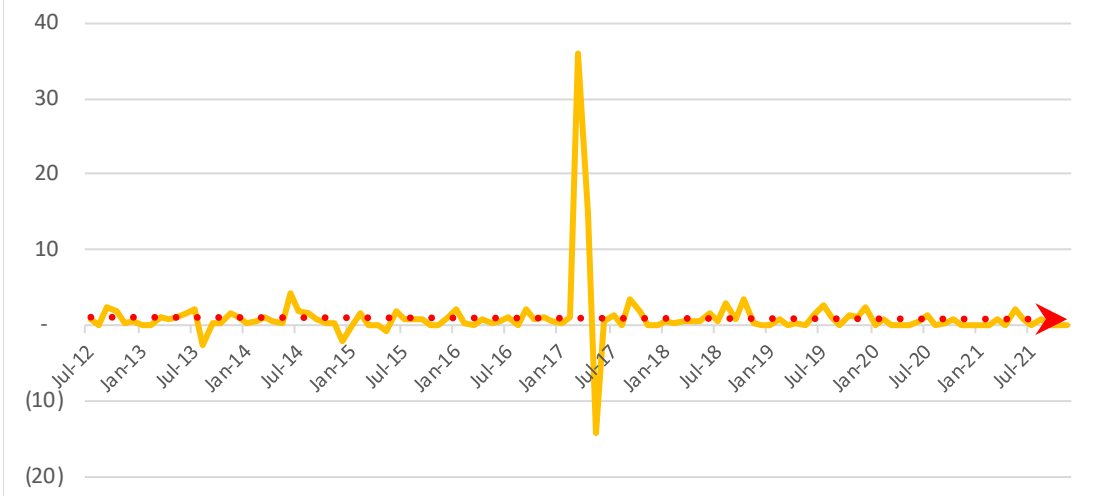
Monthly Vehicle Fuel Expenditures



Monthly Estimated Gallon per Month



CO2e Emissions Tons per Mo (EF 19.60 lb/Gallon 2000 lb/Tons)



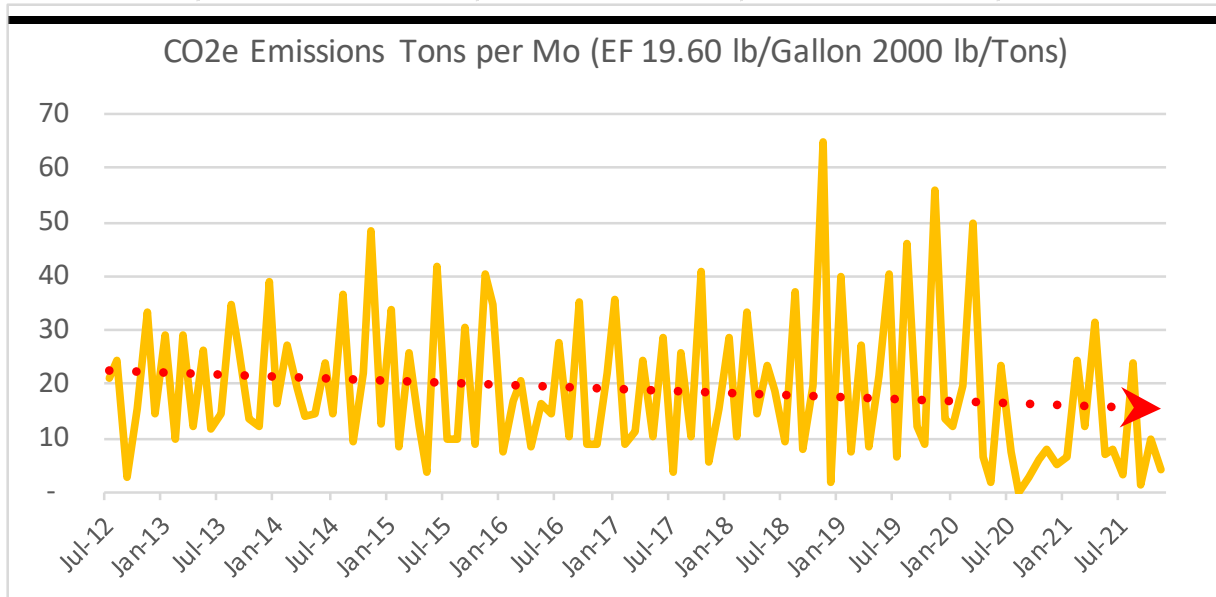
# Department of Veterans Affairs



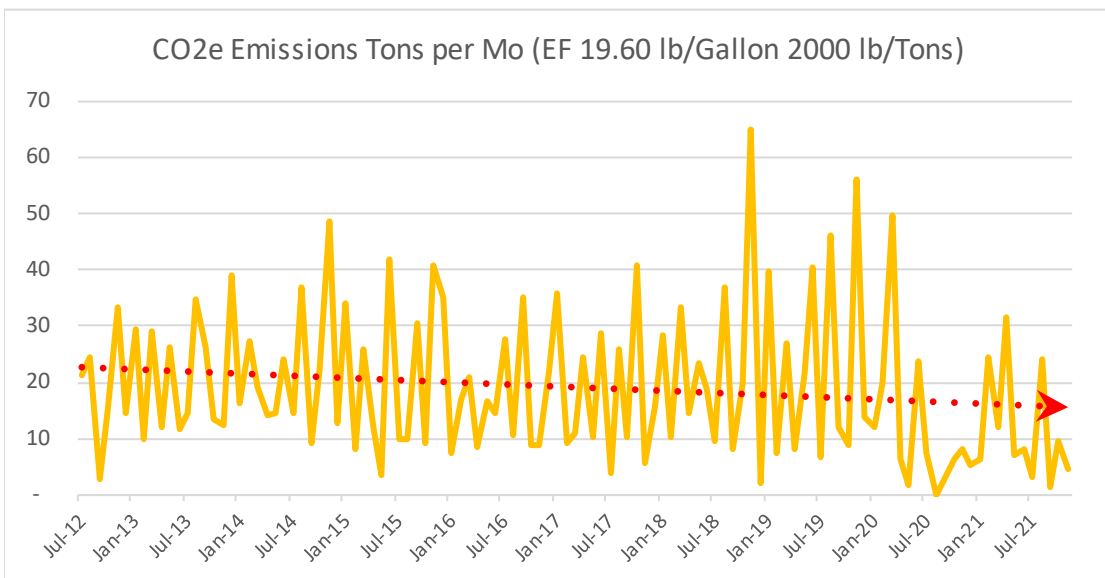
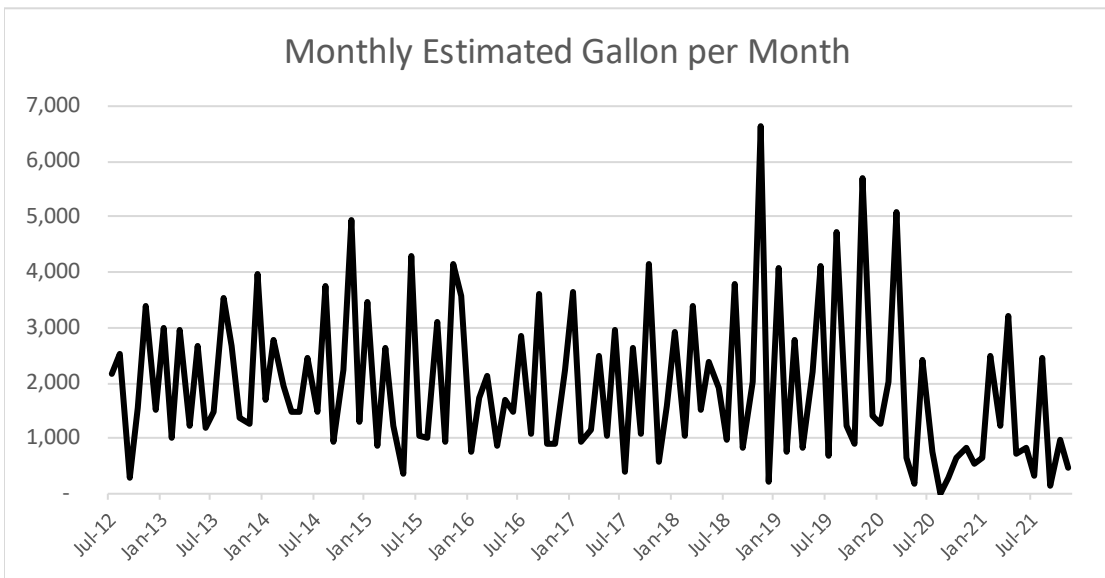
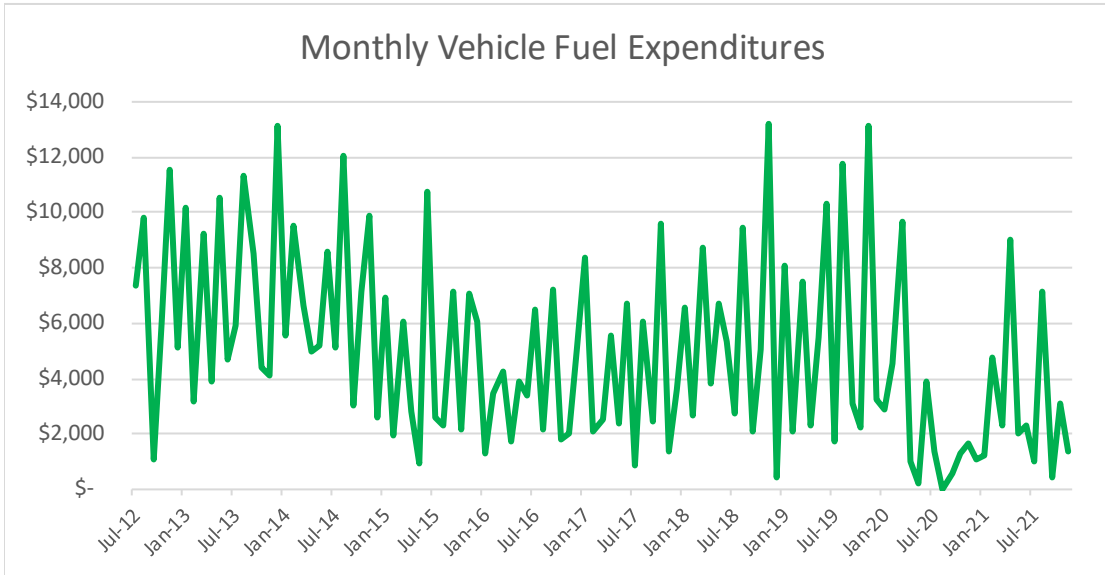
Estimated Agency Vehicle Fuel Use & Costs based on <https://openbook.wi.gov/data>:

**Veterans Affairs, Department of**  
FY13-FY21 Vehicle Fuel Expenditures w/Estimated Use & CO2e

Fiscal Year	Vehicle Fuel Expenditures	Estimated Gallons	EF 19.60 lb/Gallon CO2 Emissions (2000 lb/Tons)	CO2e Change from FY2013 Baseline
2013	\$ 82,565	23,428	230	0.00%
2014	\$ 87,887	26,142	256	11.59%
2015	\$ 69,228	27,487	269	17.33%
2016	\$ 45,372	22,467	220	-4.10%
2017	\$ 52,425	23,731	233	1.29%
2018	\$ 57,711	23,556	231	0.55%
2019	\$ 68,626	29,208	286	24.67%
2020	\$ 57,214	26,199	257	11.83%
2021	\$ 27,670	12,199	120	-47.93%



Veterans Affairs, Department of



# Department of Natural Resources

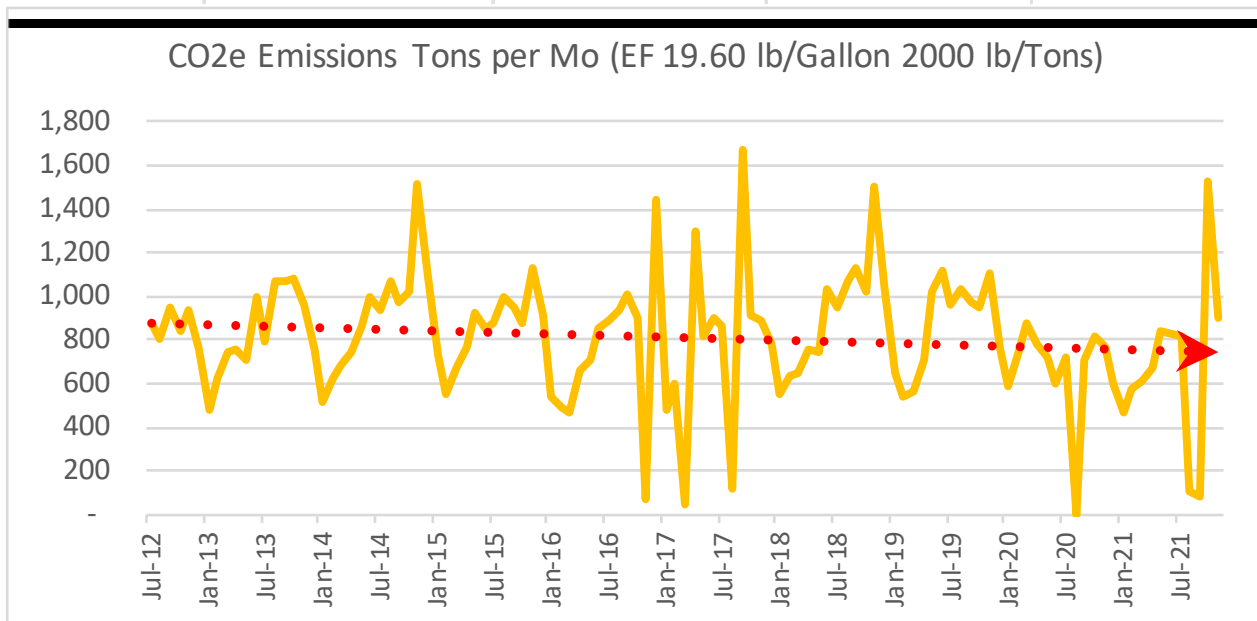


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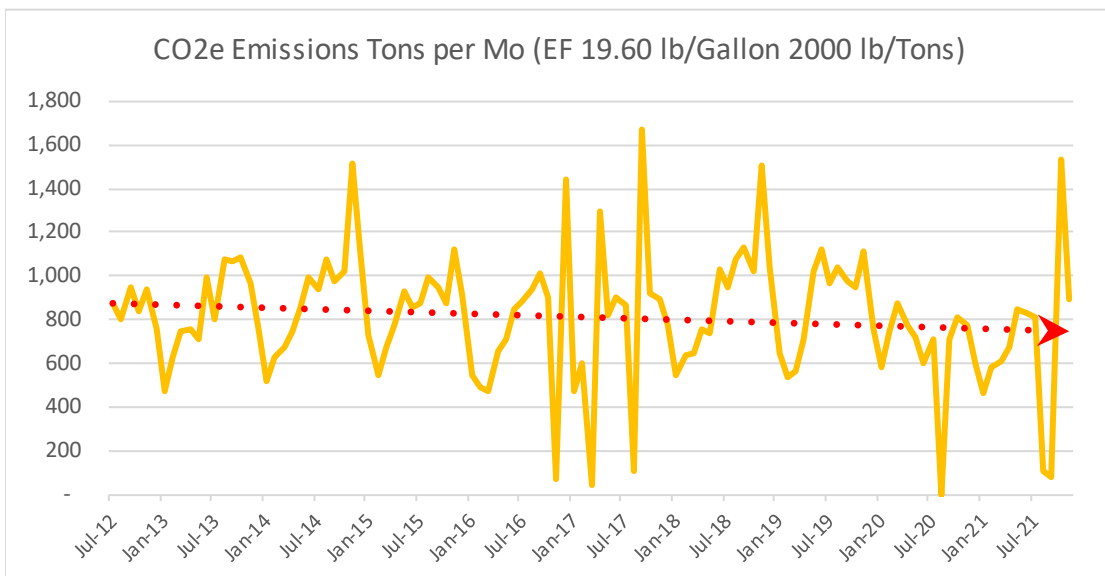
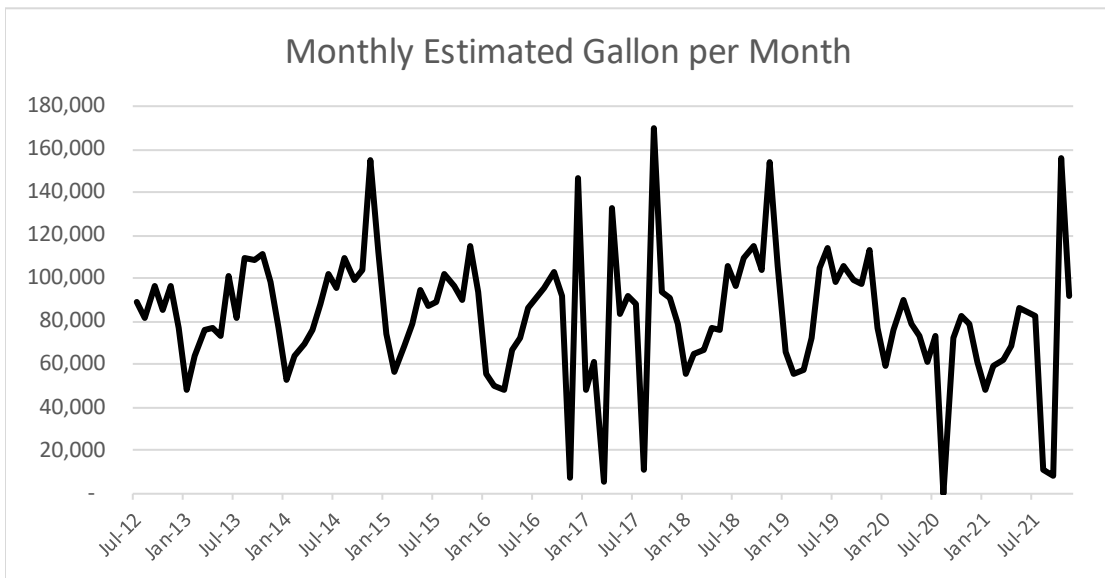
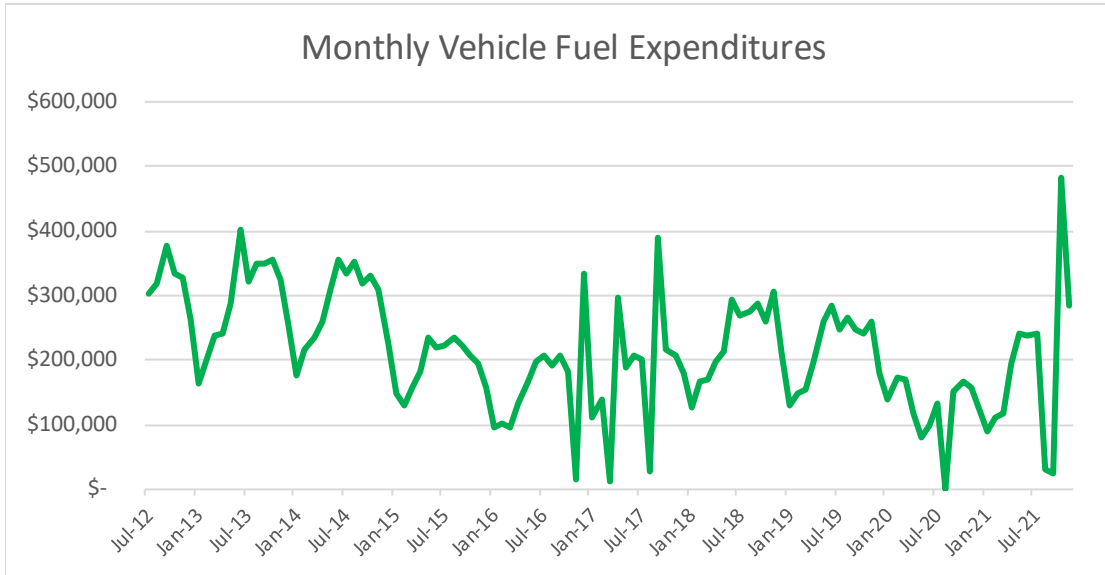
## Natural Resources, Department of

### FY13-FY21 Vehicle Fuel Expenditures w/Estimated Use & CO2e

Fiscal Year	Vehicle Fuel Expenditures	Estimated Gallons	EF 19.60 lb/Gallon CO2 Emissions (2000 lb/Tons)	CO2e Change from FY2013 Baseline
2013	\$ 3,455,296	966,209	9,469	0.00%
2014	\$ 3,504,450	1,038,050	10,173	7.44%
2015	\$ 2,942,748	1,135,774	11,131	17.55%
2016	\$ 2,029,696	965,111	9,458	-0.11%
2017	\$ 2,095,114	957,128	9,380	-0.94%
2018	\$ 2,386,438	978,732	9,592	1.30%
2019	\$ 2,787,383	1,154,834	11,317	19.52%
2020	\$ 2,216,514	1,030,613	10,100	6.67%
2021	\$ 1,723,137	777,675	7,621	-19.51%



### Natural Resources, Department of



# Department of Transportation

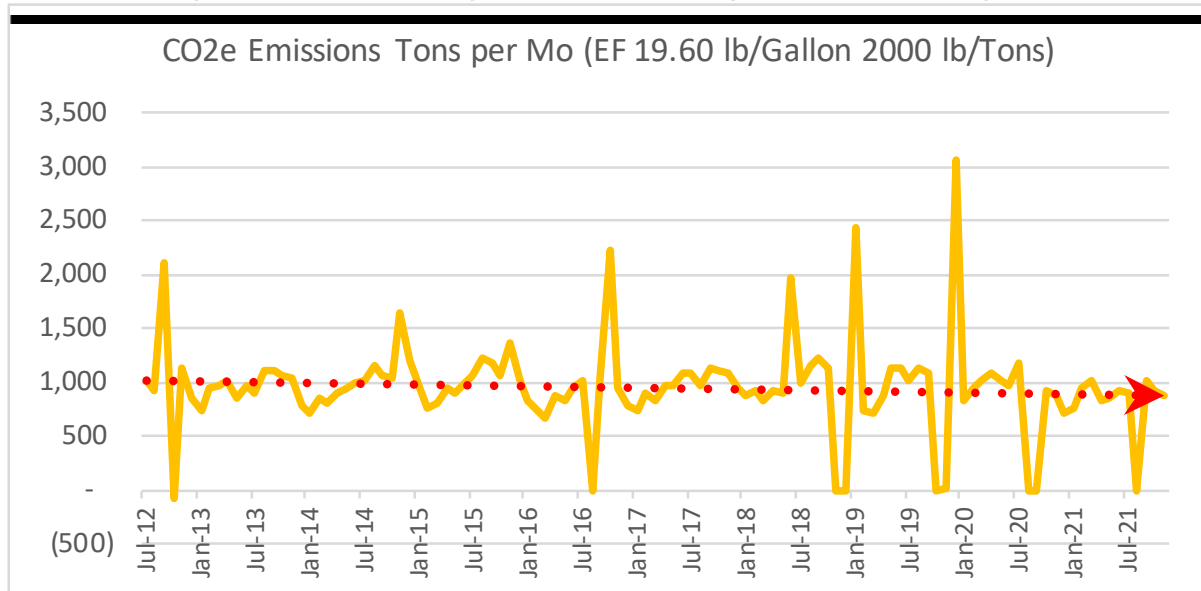


Estimated Agency Vehicle Fuel Use & Costs based on <https://openbook.wi.gov/data>:

## Transportation, Department of

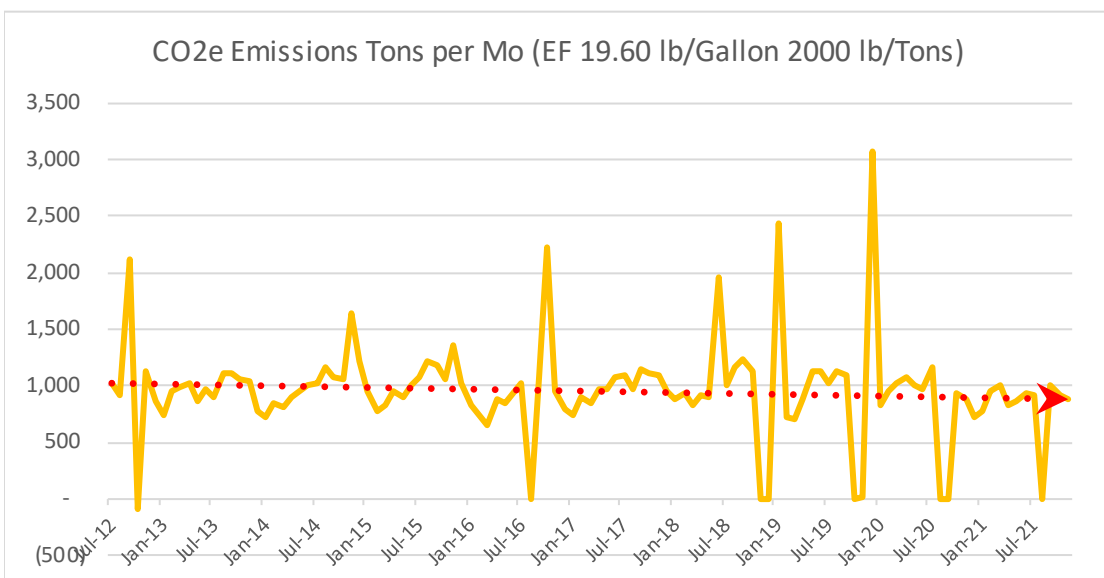
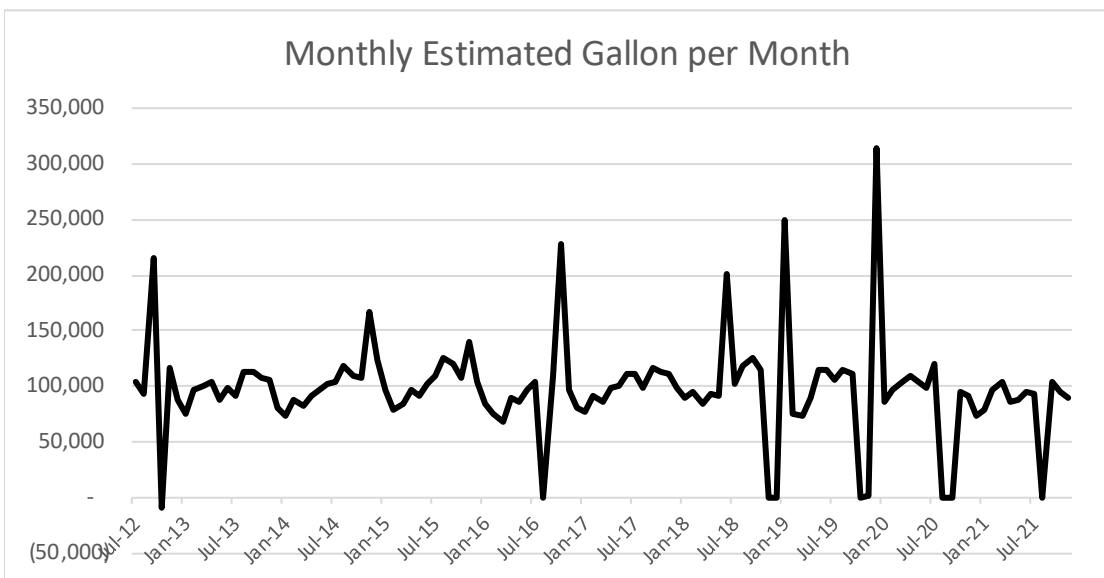
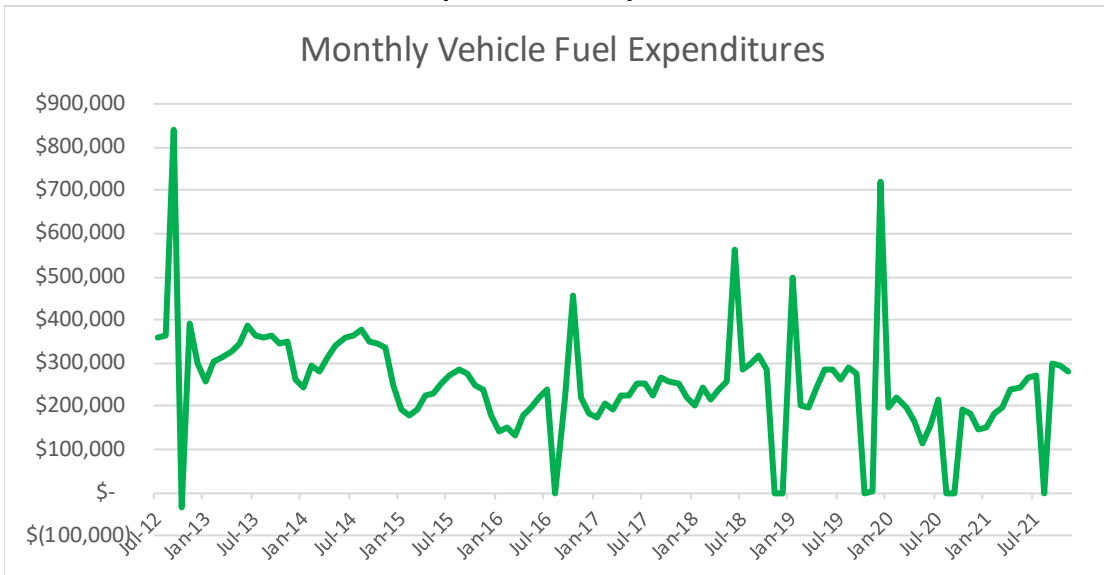
### FY13-FY21 Vehicle Fuel Expenditures w/Estimated Use & CO2e

Fiscal Year	Vehicle Fuel Expenditures	Estimated Gallons	EF 19.60 lb/Gallon CO2 Emissions (2000 lb/Tons)	CO2e Change from FY2013 Baseline
2013	\$ 4,160,923	1,173,009	11,495	0.00%
2014	\$ 3,875,447	1,146,428	11,235	-2.27%
2015	\$ 3,295,517	1,281,049	12,554	9.21%
2016	\$ 2,528,308	1,205,890	11,818	2.80%
2017	\$ 2,596,445	1,183,917	11,602	0.93%
2018	\$ 3,201,767	1,302,954	12,769	11.08%
2019	\$ 2,897,144	1,178,447	11,549	0.46%
2020	\$ 2,602,829	1,245,249	12,203	6.16%
2021	\$ 2,014,867	926,097	9,076	-21.05%





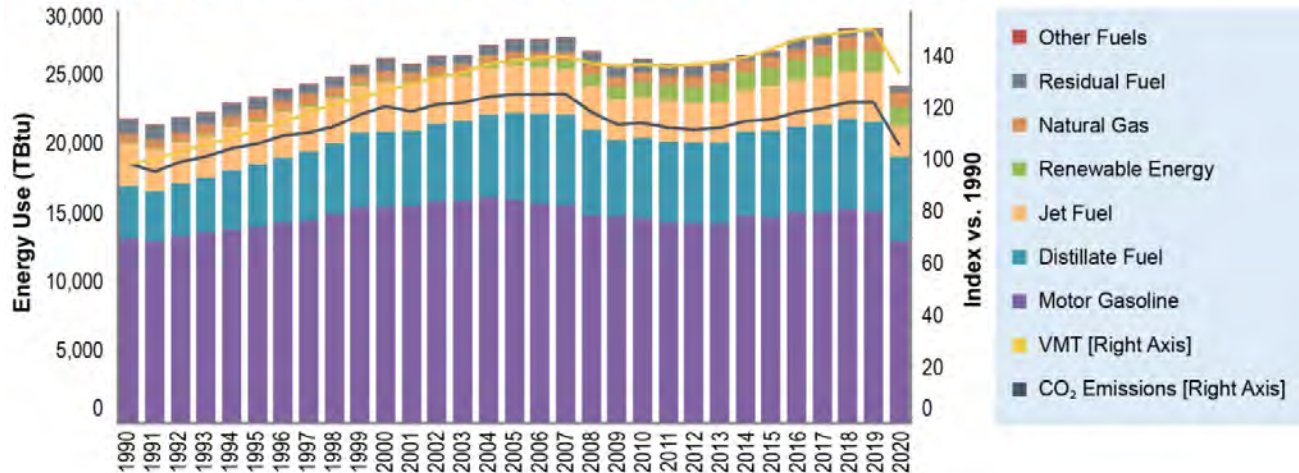
### Transportation, Department of



## Appendix A - Transportation Sector Greenhouse Gas Emissions

Transportation activities are the largest source of emissions, accounting for 27 percent of total U.S. greenhouse gas emissions in 2020. From 1990 to 2020, transportation CO<sub>2</sub> emissions from fossil fuel combustion rose by 7 percent due in large part to increased demand for travel. The number of vehicle miles traveled (VMT) by light-duty vehicles (i.e., passenger cars and light-duty trucks) increased by 30 percent from 1990 to 2020; VMT by medium- and heavy-duty trucks increased 107 percent over the same period. While an increased demand for travel has led to increasing CO<sub>2</sub> emissions since 1990, improvements in average new vehicle fuel economy since 2005 has slowed the rate of increase of CO<sub>2</sub> emissions. In 2020, light-duty vehicles represented 57 percent of CO<sub>2</sub> emissions from transportation fossil fuel combustion and medium- and heavy-duty trucks and buses represented 26 percent. Petroleum-based products supplied 94 percent of the energy used for transportation, with 57 percent from gasoline consumption in automobiles and other highway vehicles. Diesel fuel for freight trucks and jet fuel for aircraft accounted for 27 and 10 percent of fuel consumption, respectively. The remaining 1 percent of petroleum-based energy used for transportation was supplied by natural gas, residual fuel, aviation gasoline, and liquefied petroleum gases. Renewable fuels account for the remaining 6 percent of energy used for transportation.

**Fuels Used in Transportation Sector, Onroad VMT, and Total Sector CO<sub>2</sub> Emissions**



# Appendix B - OpenBook WI Fuels for Vehicle Data

Fuels for Vehicle Use	2021	2020	2019	2018	2017	2016	2015	2014	2013
Agency Name									
University of Wisconsin System	\$ 888,106	\$ 1,238,004	\$ 1,647,324	\$ 1,662,361	\$ 1,622,856	\$ 1,368,350	\$ 2,132,570	\$ 2,762,665	\$ 2,624,758
Administration, Department of	\$ 1,113,356	\$ 2,057,994	\$ 2,624,788	\$ 2,517,206	\$ 2,314,742	\$ 2,162,475	\$ 3,142,934	\$ 4,099,011	\$ 4,361,710
Corrections, Department of	\$ 783,452	\$ 1,203,712	\$ 1,417,563	\$ 1,546,312	\$ 1,305,009	\$ 1,442,448	\$ 1,960,478	\$ 2,465,920	\$ 2,509,692
Health Services, Department of	\$ 61,197	\$ 99,699	\$ 111,810	\$ 111,826	\$ 107,399	\$ 81,537	\$ 122,440	\$ 173,372	\$ 229,310
Military Affairs, Department of	\$ 195,679	\$ 71,014	\$ 58,565	\$ 242,313	\$ 59,566	\$ 21,253	\$ 38,841	\$ 38,034	\$ 43,658
Natural Resources, Department of	\$ 1,723,137	\$ 2,216,514	\$ 2,787,383	\$ 2,386,438	\$ 2,095,114	\$ 1,818,874	\$ 2,835,475	\$ 3,509,418	\$ 3,480,987
Transportation, Department of	\$ 2,014,867	\$ 2,602,829	\$ 2,897,144	\$ 3,201,767	\$ 2,355,746	\$ 2,496,038	\$ 3,203,600	\$ 3,878,080	\$ 4,166,022
Veterans Affairs, Department of	\$ 27,670	\$ 57,214	\$ 68,626	\$ 57,711	\$ 52,425	\$ 44,141	\$ 66,326	\$ 86,125	\$ 81,100
State Fair Park Board	\$ 15,079	\$ 21,951	\$ 26,225	\$ 24,378	\$ 56,706	\$ 60,957	\$ 93,213	\$ 106,492	\$ 116,495
Educational Communications Board	\$ -	\$ 11	\$ 28	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 187
Historical Society	\$ 2,632	\$ 6,096	\$ 6,333	\$ 6,275	\$ 19,838	\$ 24,940	\$ 25,577	\$ 33,820	\$ 30,353
Public Instruction, Department of	\$ 1,512	\$ 2,494	\$ 2,766	\$ 2,697	\$ 10,075	\$ 1,347	\$ 1,469	\$ 3,630	\$ 4,498
Justice, Department of	\$ 199	\$ 776	\$ 3,176	\$ 1,713	\$ 407	\$ 297	\$ 632	\$ 667	\$ 3,856
Supreme Court	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Legislature	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Agriculture, Trade and Consumer Protection, Department of	\$ 19,062	\$ 20,113	\$ 21,403	\$ 20,513	\$ 14,015	\$ 16,749	\$ 35,088	\$ 33,465	\$ 41,385
Public Defender Board	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 88	\$ -
Kickapoo Reserve Management Board	\$ 1,344	\$ 2,324	\$ 3,656	\$ 2,930	\$ 2,468	\$ 790	\$ -	\$ -	\$ -
Revenue, Department of	\$ 1,720	\$ 5,323	\$ 7,060	\$ 6,469	\$ 4,318	\$ 2,310	\$ 3,496	\$ 3,946	\$ 6,588
Court of Appeals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Safety and Professional Services, Department of	\$ -	\$ -	\$ 133	\$ 43	\$ 58	\$ 19	\$ -	\$ -	\$ -
Board of Commissioners of Public Lands	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Workforce Development, Department of	\$ 646	\$ 1,947	\$ 1,108	\$ 938	\$ 43	\$ 49	\$ -	\$ -	\$ -
Child Abuse and Neglect Prevention Board	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tourism, Department of	\$ 184	\$ 593	\$ 133	\$ 357	\$ 607	\$ 2,092	\$ 4,852	\$ 6,199	\$ 5,650
Board for People with Developmental Disabilities	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Board on Aging and Long-Term Care	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Children and Families, Department of	\$ -	\$ 155	\$ -	\$ 30	\$ 42	\$ 72	\$ -	\$ -	\$ -
Commerce, Department of	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Employment Relations, Office of State	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Ethics Commission	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Government Accountability Board	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Governor, Office of the	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Judicial Council	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Public Service Commission	\$ -	\$ 25	\$ -	\$ 9	\$ -	\$ -	\$ -	\$ -	\$ -
Secretary of State	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wisconsin Technical College System, Board of	\$ -	\$ 65	\$ 24	\$ 95	\$ 76	\$ -	\$ -	\$ -	\$ -
<b>Subtotal - Fuels for Vehicle Use</b>	\$ 6,849,841	\$ 9,608,852	\$ 11,685,247	\$ 11,792,381	\$ 10,021,510	\$ 9,544,739	\$ 13,666,691	\$ 17,200,932	\$ 17,706,248

OpenBook WI Largest Vendors State Agencies Fuel for Vehicles Expenditures - future work to develop gallons, fuel type & emissions						
Row Labels	2017	2018	2019	2020	2021	5 Year Total
US Bank Supplier for Fuel/Fleet Card	\$ 6,950,492	\$ 8,096,680	\$ 8,445,274	\$ 7,005,056	\$ 4,976,160	\$ 35,473,662
Cole Oil Co Inc	\$ 307,329	\$ 365,101	\$ 462,905	\$ 435,936	\$ 295,525	\$ 1,866,797
Voyager Fleet Systems	\$ 64,590	\$ 632,086	\$ 472,259	\$ 389,075	\$ 153,438	\$ 1,711,447
INSIGHT FS	\$ 249,382	\$ 254,989	\$ 264,216	\$ 210,656	\$ 96,606	\$ 1,075,848
Scully Oil Co Inc	\$ 369,885	\$ 365,368	\$ 62,699	\$ 51,310	\$ 28,082	\$ 877,344
EH Wolf & Sons	\$ 153,719	\$ 152,423	\$ 136,864	\$ 111,191	\$ 131,879	\$ 686,076
Corrections, Dept Of	\$ 157,696	\$ 238,369	\$ 65,759	\$ 54,909	\$ 122,428	\$ 639,161
MEFFERT OIL COMPANY INC	\$ 138,475	\$ 110,207	\$ 148,791	\$ 113,265	\$ 112,052	\$ 622,791
Meffert Oil Co Inc	\$ 105,290	\$ 115,169	\$ 168,793	\$ 97,547	\$ 78,829	\$ 565,629
VOYAGER FLEET SYSTEMS INC	\$ 345,933	\$ 68,005	\$ 27,977		\$ 22,398	\$ 464,312
QUALITY STATE OIL CO INC	\$ 88,164	\$ 100,258	\$ 123,643	\$ 96,792	\$ 32,513	\$ 441,369
PETROLEUM TRADERS CORP	\$ 103,098	\$ 103,069	\$ 127,080	\$ 74,366	\$ 20,427	\$ 428,040
Skoglund Oil Co Inc	\$ 79,533	\$ 97,423	\$ 108,207	\$ 101,151	\$ 30,471	\$ 416,784
Quality State Oil Co, Inc	\$ 78,528	\$ 85,712	\$ 83,914	\$ 66,752	\$ 23,904	\$ 338,809
New Horizons Supply Coop	\$ 21,915	\$ 52,010	\$ 108,611	\$ 79,785	\$ 60,977	\$ 323,297
US BANK VOYAGER FLEET SYS	\$ 39,230	\$ 27,222	\$ 97,541	\$ 94,803	\$ 33,942	\$ 292,738
Ritchie Lakeland Oil Co Inc	\$ 64,286	\$ 56,774	\$ 65,069	\$ 55,386	\$ 14,175	\$ 255,690
THALER OIL CO INC	\$ 32,077	\$ 45,754	\$ 68,056	\$ 56,487	\$ 30,368	\$ 232,743
COLE OIL CO. INC.	\$ 50,210	\$ 60,352	\$ 68,740	\$ 50,282	\$ 2,445	\$ 232,028
MEFFERT OIL COMPANY, INC.	\$ 29,218	\$ 45,547	\$ 68,159	\$ 44,991		\$ 187,916
University Of Wisconsin-System	\$ 44,603	\$ 36,164	\$ 38,048	\$ 35,572	\$ 6,525	\$ 160,912
Board of Regents UW System	\$ 28,281	\$ 31,623	\$ 30,750	\$ 45,406	\$ 22,531	\$ 158,590
Heinz Ctc Inc	\$ 47,210	\$ 56,506	\$ 28,321	\$ 4,296	\$ 3,717	\$ 140,050
US Bank Supplier for P-Card Payments	\$ 20,808	\$ 19,299	\$ 31,951	\$ 42,896	\$ 18,402	\$ 133,356
MIDWEST FUELS	\$ 30,649	\$ 32,280	\$ 41,805	\$ 27,066		\$ 131,801
Midwest Industrial Fuels Inc	\$ 11,309	\$ 10,489	\$ 45,747	\$ 44,839	\$ 10,146	\$ 122,530
Como Oil & Propane	\$ 7,058	\$ 1,954	\$ 33,426	\$ 35,789	\$ 32,722	\$ 110,949
Packard Transport LLC		\$ 106,603				\$ 106,603
Us Treasury	\$ 1,576	\$ 60,434	\$ 15,307	\$ 377	\$ 15,195	\$ 92,890
E H WOLF & SONS INC	\$ 20,106	\$ 22,946	\$ 27,595	\$ 18,906	\$ 2,911	\$ 92,465
HEER OIL	\$ 52,471	\$ 39,503				\$ 91,974
Hopson Oil Llc	\$ 34,477	\$ 11,852	\$ 22,284	\$ 12,577	\$ 8,224	\$ 89,414
FRONTIER FS			\$ 22,247	\$ 21,260	\$ 31,656	\$ 75,162
EDWARD H WOLF & SONS INC					\$ 73,656	\$ 73,656
Medford Cooperative Inc	\$ 11,338	\$ 18,001	\$ 21,113	\$ 16,440	\$ 6,300	\$ 73,191
Weber Oil Co Inc	\$ 2,774	\$ 1,671	\$ 9,565	\$ 9,143	\$ 47,372	\$ 70,527
Federation Cooperative	\$ 29,631	\$ 39,700				\$ 69,331
US BANK CORPORATE PAYMENT SYS					\$ 67,994	\$ 67,994
WEBER OIL CO	\$ 15,086	\$ 20,118	\$ 21,841	\$ 3,466		\$ 60,511
Mansfield Oil Company of Gainesville Inc		\$ 25,486			\$ 32,481	\$ 57,968
NEW HORIZONS SUPPLY COOPERATIVE	\$ 11,886	\$ 14,148	\$ 12,529	\$ 10,360	\$ 7,587	\$ 56,511
US BANK VOYAGER FLEET SYSTEM INC	\$ 11,920	\$ 14,481	\$ 18,612	\$ 8,874	\$ 532	\$ 54,419
ZURBUCHEN OIL INC	\$ 34,254	\$ 17,293	\$ 1,512			\$ 53,059
Us Bank					\$ 52,996	\$ 52,996
Country Visions Cooperative	\$ 23,561	\$ 24,567	\$ 88			\$ 48,217
United Cooperative	\$ 2,913	\$ 3,261	\$ 12,106	\$ 10,702	\$ 8,150	\$ 37,132
THALER OIL CO	\$ 11,447	\$ 18,564	\$ 4,861			\$ 34,872
QUALITY PROPANE AND FUELS					\$ 31,012	\$ 31,012
COMO OIL AND PROPANE	\$ 17,705	\$ 11,213	\$ 743			\$ 29,661
CONSOLIDATED ENERGY COMPANY					\$ 28,616	\$ 28,616
HEINZ OIL COMPANY	\$ 5,776	\$ 7,487	\$ 4,906	\$ 7,174	\$ 2,793	\$ 28,136
US BANK VOYAGER FLEET SYSTEMS	\$ 10,771	\$ 11,643	\$ 1,680			\$ 24,095
Midland Services Inc	\$ 22,373					\$ 22,373
J F Ahern Co				\$ 20,380		\$ 20,380
Wi Aviation Four Lakes Inc					\$ 19,840	\$ 19,840
Department of Health Services	\$ 4,406	\$ 3,332	\$ 3,961	\$ 2,348	\$ 548	\$ 14,595
VENTURE FUELS LLC					\$ 14,247	\$ 14,247
WEBER OIL COMPANY INC	\$ 4,821	\$ 2,258	\$ 4,017		\$ 2,116	\$ 13,212
Bp	\$ 4,307	\$ 6,423	\$ 2,268			\$ 12,998
Vilas County	\$ 3,518	\$ 2,544	\$ 3,118	\$ 1,882	\$ 1,557	\$ 12,620
CORPORATE PAYMENT SYSTEMS			\$ 12,165			\$ 12,165
QUALITY STATE OIL COMPANY	\$ 2,417	\$ 2,599	\$ 1,934	\$ 1,783	\$ 2,762	\$ 11,495
Town of Barnes	\$ 3,184	\$ 2,394	\$ 2,461	\$ 811	\$ 1,700	\$ 10,549
Corey Oil Ltd	\$ 9,359	\$ 1,164				\$ 10,524
RITCHIE LAKELAND OIL CO	\$ 1,924	\$ 1,063	\$ 2,431	\$ 3,016	\$ 1,676	\$ 10,109
Health Services, Dept. of	\$ 1,501	\$ 1,926	\$ 2,334	\$ 2,276	\$ 1,143	\$ 9,180
WI STATE DEPT OF ADMINISTRATION	\$ 3,258	\$ 4,086	\$ 865			\$ 8,210
VOYAGER FLEET SYSTEMS, INC.	\$ 1,494	\$ 1,736	\$ 1,160	\$ 1,856		\$ 6,245