

Sustainability Performance Plan

FY 2021

Department of Motor Vehicles

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Approved by Sibongile Magubane
Commissioner

*This report was written in compliance with
section 5 of Executive Order 1.*



EO 1 Background

On April 24, 2019, Governor Lamont launched the GreenerGov CT initiative by signing Executive Order 1 (EO 1) which directs Executive Branch agencies to advance environmental leadership and cost savings for taxpayers by reducing greenhouse gas emissions and other sustainability objectives in energy use in buildings and vehicles, water use, and waste disposal.

EO 1 calls on agencies to recommit to and expand the state's Lead by Example (LBE) program to reduce the operating costs and environmental impacts of state government facilities and operations. EO 1 builds on the foundation of the state's LBE program by setting new sustainability goals, listed below, for Executive Branch agencies and invoking deeper levels of commitment and participation.

GHG

45% reduction in
GHG emissions
below 2001 levels

WATER

10% reduction in
water consumption
from a FY20 baseline

WASTE

25% reduction in
waste disposal from a
FY20 baseline

Since the GreenerGov CT initiative was launched, significant progress has been made towards laying the groundwork for expanded LBE initiatives in the future: governance structures were established, baseline data was collected, and financing and project strategies were developed. Additionally, agencies reported completing or making progress on 90+ sustainability projects in FY20 in the annual agency Sustainability Performance Plans. Sustainability Performance Plans are plans drafted each year by Senior Sustainability Officers to detail agency progress and necessary goals, actions, and responsible parties to achieve the targets set in EO 1.

In 2020 and 2021, agencies continued to navigate the COVID-19 pandemic. As many agencies returned to the office in 2021, the GreenerGov CT leadership encouraged agencies to use the return to the office from teleworking as an opportunity to refresh staff practices and to take on new sustainability initiatives. The FY21 Sustainability Performance Plan includes a summary of sustainability actions initiated as part of the "Returning to the Office Greener" call to action.

EO 1 Participation Overview

DMV's Mission

Our mission is to promote public safety and regulate drivers, their motor vehicles and certain vehicle-related businesses, through the delivery of exceptional customer service to internal and external customers.

FY21 Participation Overview

DMV is actively participating in the following EO1 project teams: Clean & Efficient Transportation, Reporting, and Sustainability in Leased Space.

Participating Agency Staff

Abby Lawson, Fiscal Services
Angelo Cavaliere, Facilities
John Getsie, Emissions



Sustainability Projects

including projects relating to infrastructure improvements or behavioral change that took place in owned, leased, or occupied space and were either in progress or completed in FY21

Sustainability Projects

Project 1

What: New roof, insulation, and HVAC system for the entire branch location

Where: Norwalk DMV

Project type: Structural - Combination

Status: In progress in FY 2021

Benefits: Natural gas or heating oil reductions are expected due to roofing and insulation upgrades. Electricity reductions will be realized with upgraded HVAC systems

Project 2

What: Repurposed granite pavers when resurfacing front walkway at main entrance to Wethersfield Branch.

Where: Wethersfield DMV

Project type: Structural - Combination

Status: In progress in FY 2021

Benefits: Cost savings by repurposing existing materials

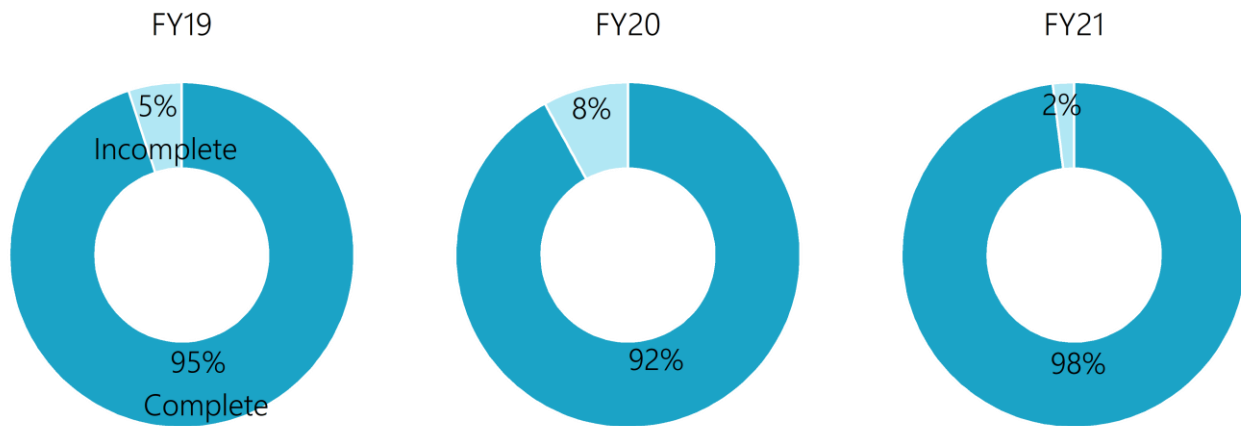
Savings: \$4,000.00

Performance Data

The following data was pulled from EnergyCAP, the state's utility tracking software, on December 9, 2021. Note that utility data on agencies occupying space owned by another state agency may not be linked to their EnergyCAP accounts.

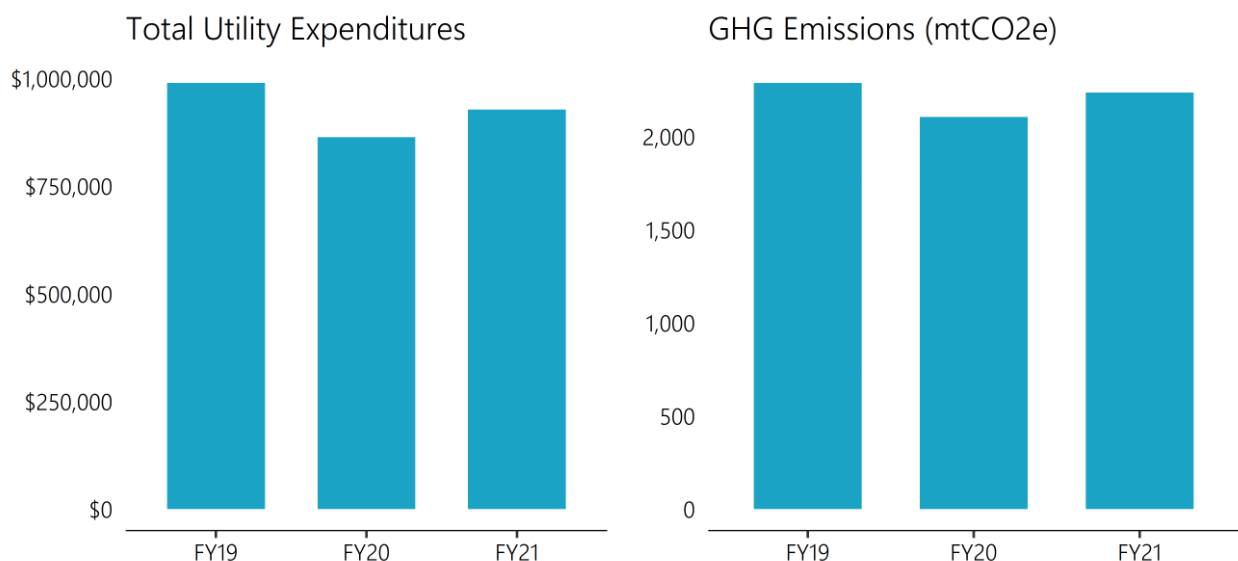
Data Completeness

The charts below display the estimated percent of utility data for DMV entered into EnergyCAP. More recently uploaded data may still be 'in queue' awaiting processing by EnergyCAP and will not be reflected in this report.



Data Trends, FY19-FY21

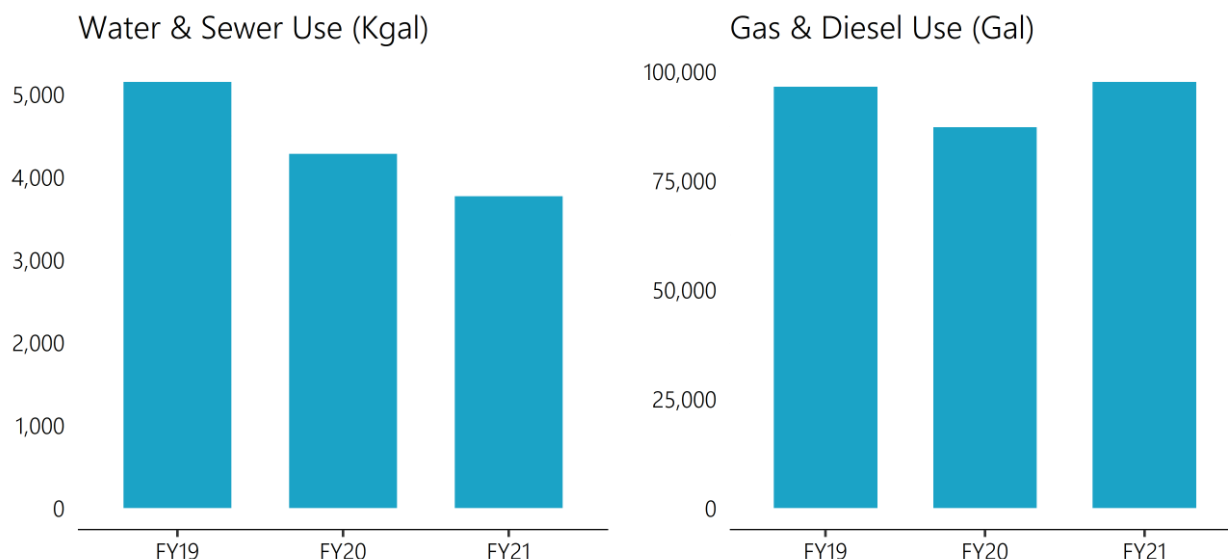
The charts below summarize the total utility expenditures and total GHG emissions for DMV for FY19-FY21. Keep in mind that data that is missing or not yet processed in EnergyCAP may cause these numbers to be artificially low.



Performance Data cont.

Data Trends, FY19-FY21 - Continued

The charts below summarize the water and gas/diesel use for DMV for FY19-FY21. Keep in mind that data that is missing or not yet processed in EnergyCAP may cause these numbers to be artificially low.



Detailed Utility Use and Cost Data

The table below summarizes the utility use and cost data for DMV for FY19-FY21 according to data pulled from EnergyCAP on December 9, 2021. As mentioned previously, keep in mind that this data may be incomplete.

Commodity	Unit	Use				Cost			
		FY19	FY20	FY21	FY19-21 Change	FY19	FY20	FY21	FY19-21 Change
Electric	kWh	3,314,927.6	3,090,125	3,200,544	-3.5%	\$565,464	\$506,333	\$529,532	-6.4%
Natural Gas	CCF	94,477.2	87,200	89,831	-4.9%	\$102,920	\$88,710	\$98,168	-4.6%
Oil	Gal	7,454.4	6,557	5,696	-23.6%	\$15,427	\$11,508	\$10,541	-31.7%
Propane	Gal	1,837.1	2,056	2,308	+25.6%	\$2,338	\$2,226	\$3,626	+55.1%
Vehicle Gasoline	Gal	96,348.7	87,107	96,797	+0.5%	\$259,178	\$210,800	\$244,897	-5.5%
Vehicle Diesel	Gal	132.7	150	779	+487.4%	\$431	\$445	\$2,190	+407.8%
Total GHG Emissions	mtCO2e	2,289.0	2,107	2,238	-2.2%	-	-	-	-
Water	Kgal	2,864.8	2,268	1,957	-31.7%	\$29,177	\$26,917	\$24,974	-14.4%
Sewer	Kgal	2,284.4	2,013	1,811	-20.7%	\$14,955	\$17,166	\$14,080	-5.9%
Total	-	-	-	-	-	\$989,890	\$864,105	\$928,008	-6.3%

*Gasoline and diesel costs estimated based on average monthly cost from EIA.gov, \$2.53 for gasoline and \$2.81 for diesel in FY21; \$2.42 for gasoline and \$2.96 for diesel in FY20; \$2.69 for gasoline and \$3.25 for diesel in FY19.

6 - DMV Sustainability Performance Plan

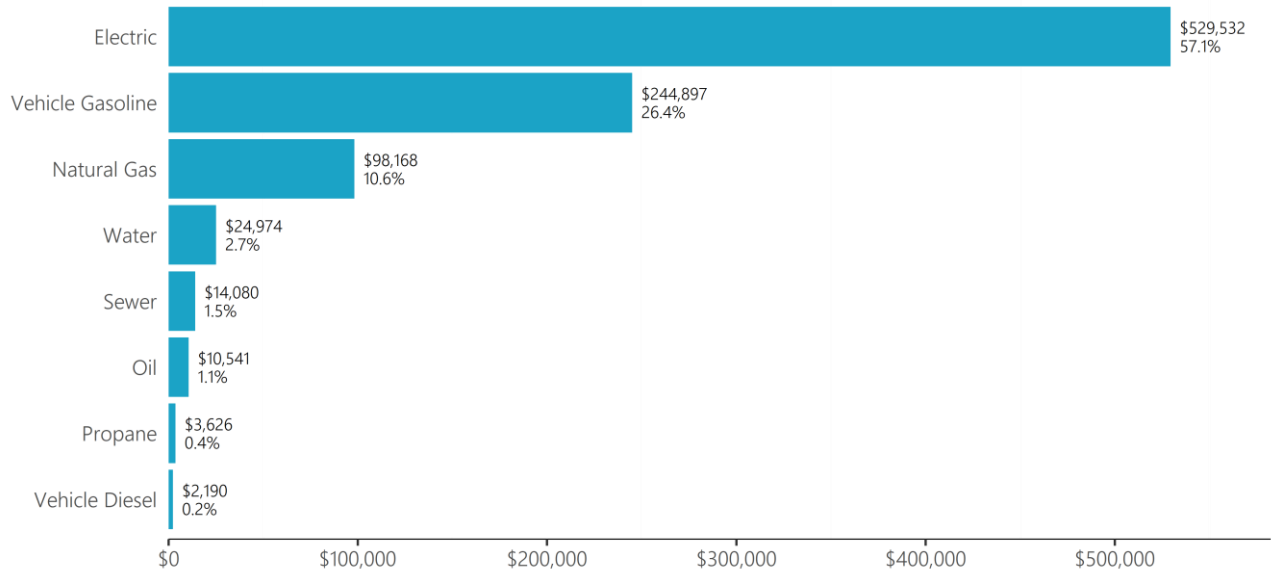
Performance Data cont.

FY21 Data Snapshot

The charts below highlight the breakdown of utility expenditures and GHG emissions by commodity for FY21.

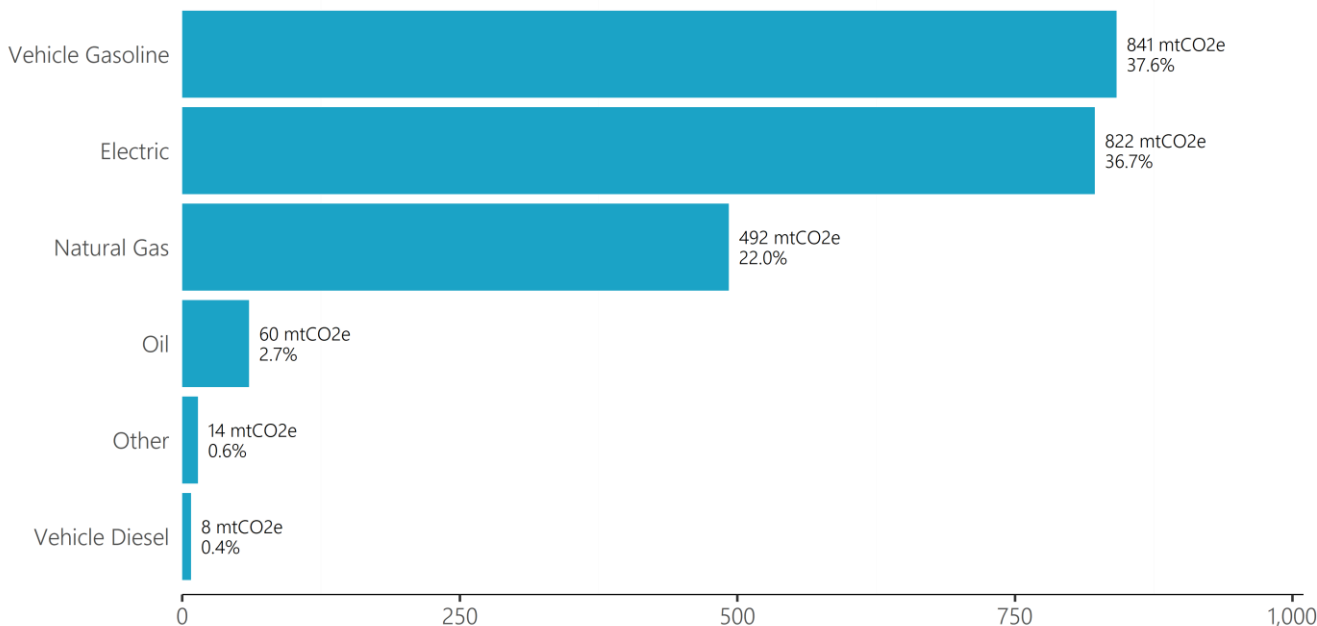
Commodity Cost Breakdown, FY21

The chart below represents the breakdown of commodity costs at DMV in FY21.



GHG Emissions Breakdown, FY21

The chart below represents the breakdown of GHG emissions by commodity at DMV in FY21.



Return to the Office Greener

In FY21, the GreenerGov CT leadership encouraged agencies to use the return to the office from teleworking due to the COVID-19 pandemic as an opportunity to refresh staff practices and habits and to take on new sustainability initiatives. Eleven actions were presented as possible strategies for a more sustainable return to the office, and agencies were asked to pick three actions not already in process. The actions for DMV are highlighted below.

Returning to the Office Greener Suggested Actions

- | | |
|---|---|
| 1. Identify agency vehicles which could be transitioned to electric models. | ✓ |
| 2. Have a No-Cost retro commissioning scoping study to identify HVAC improvement and controls opportunities. | |
| 3. Sign up a building to participate in Eversource's Strategic Energy Management program. | |
| 4. Have a free building energy audit performed to identify basic opportunities to upgrade lighting or weatherization. | ✓ |
| 5. Perform a water audit to identify opportunities for fixture replacement or conservation actions. | |
| 6. Check for water leaks using the Fix-A-Leak Checklist. | ✓ |
| 7. Assess the feasibility of hosting solar on your buildings or property. | |
| 8. Optimize your dumpster size and pickup schedule. | |
| 9. Start an organics diversion/collection program. | |
| 10. Tune up recycling practices. | |
| 11. Make a Green Team of staff invested in making space and operations more sustainable. | |
| 12. Other actions: | |

COVID-19 Impact

Impact of COVID-19 on DMV's ability to make progress on the goals of EO 1 in FY21

The agency's top priority has been to continue DMV operations during the COVID19 pandemic. The agency had to prioritize the remodeling of DMV locations to promote social distancing and safety. In addition, COVID19 required DMV to reevaluate how certain business processes were conducted and began implementing online solutions to replace traditional in-person transactions. We implemented an appointment system to provide us the ability to control the number of customers in our offices and allows us to ensure we are in compliance with social distancing requirements at all times. The ability to have staff telework has been a benefit towards meeting our EO 1 goals as well.

COVID-19 changes that have led to a positive sustainability outcome that will continue after the pandemic

Strategically evaluating building footprint needed for agency work	✓
Reassessing agency fleet	✓
Holding virtual meetings as a more regular practice	✓
Increased telework as a regular practice	✓
No changes to report	
Other	

Additional details on positive sustainability outcomes and how they will be continued after the pandemic

We continue to look for ways to decrease our utilities, solid waste and water usage.

Future Planning

Status of FY20 Plans

	Progress has been made	Progress has stalled	Plans have been completed.	Stated plans no longer a priority	Other
GHG Reduction	✓				
Water Use Reduction	✓				
Waste Reduction	✓				

Sustainability Plans Beyond FY21

GHG Reduction

DMV is currently working to upgrade the interior & exterior lighting to LEDs at the Norwalk DMV through an Eversource SBEA Energy Efficiency Project. We are expecting to realize energy cost reductions due to these upgrades. The DMV will work with DAS Fleet Management to ensure the most fuel efficient vehicle options are selected when vehicles need to be replaced.

Water Use Reduction

DMV will continue to ensure that water reduction and efficiency is considered for all future plumbing upgrades and maintenance projects.

Waste Reduction

DMV is diligently working to evaluate its current business model in an effort to modernize & digitize operations. This effort should result in a reduction in paper.

Resources Needed

Barriers encountered while making EO 1 progress in FY21

Funding	✓
Staffing	✓
Technical expertise	✓
No barriers encountered	
Other	

Specific type of support or resources needed to make progress on future sustainability projects

DMV will continue to explore funding options for sustainability projects to be completed.