

State of Connecticut
FY 2020

Sustainability Performance Plan

Department of Motor Vehicles

Prepared by Darrell Grant
Senior Sustainability Officer

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 120+ sustainability projects in FY19 in the first 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, the COVID-19 pandemic brought significant changes to the operations of state agencies as agencies responded to the crisis. The impact of the pandemic on the sustainability goals of EO 1 is not yet known, but some effects will be documented in the FY20 Sustainability Performance Plans and the GreenerGov CT Progress Report.

DMV and EO 1

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.

DMV's FY20 participation overview

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

DMV staff involvement in EO 1

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

3

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 FY20

Sustainability Projects

1

Location: Wethersfield DMV, 60 State Street, Wethersfield, CT

Project Type: Structural - Combination

Description: ADA public restroom renovations for Wethersfield DMV

Status: Completed in FY 2020

Benefits Summary: Water, waste and energy reductions due to including sensors to flush toilets automatically; paper towel dispensers have been replaced with electric only hand dryers; and lighting & ventilation are now controlled by sensors.

2

Location: Wethersfield DMV, 60 State Street, Wethersfield, CT

Project Type: Structural - Combination

Description: HVAC upgrades within the Wethersfield DMV branch

Status: Completed in FY 2020

Benefits Summary: Energy reductions will be realized due to the installation of new energy efficient split system HVAC units within two sections of the Wethersfield DMV branch.

3

Location: Hamden DMV, 1985 State Street, Hamden, CT and Winsted DMV, 151 Torrington Rd, Winsted, CT

Project Type: Structural - Combination

Description: New roof, insulation, and boiler/HVAC system for the entire branch locations

Status: Completed in FY 2020

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

Performance Data

The following data was pulled from EnergyCAP, the state's utility tracking software, on March 15, 2021. Note that utility data on agencies occupying space owned by another state agency may or may not be linked to their EnergyCAP accounts.

Total Utility Costs

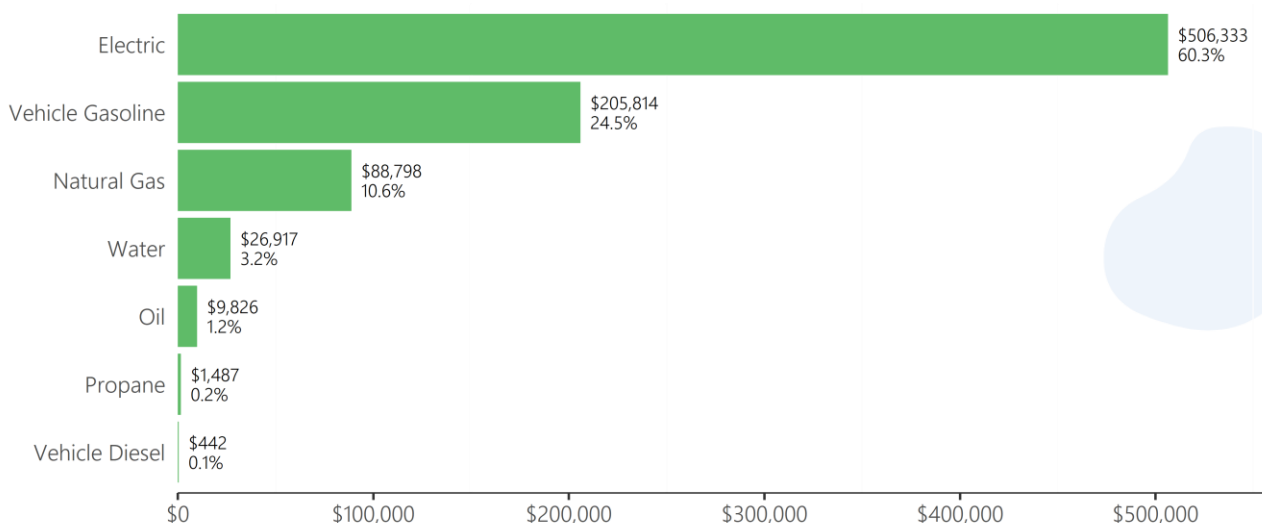
Commodity	Unit	Use			Cost		
		FY19	FY20	Change	FY19	FY20	Change
Electric & Natural Gas	MMBtu	21,042	19,525	-7.2%	\$668,384	\$595,131	-11.0%
Other Building Energy	MMBtu	1,202	922	-23.3%	\$17,765	\$11,313	-36.3%
Vehicle Gasoline	Gal	96,349	86,841	-9.9%	\$247,616	\$205,814	-16.9%
Vehicle Diesel	Gal	133	149	+12.6%	\$422	\$442	+4.8%
Total GHG Emissions	mtCO2e	2,289	2,095	-8.5%	-	-	-
Water	Kgal	2,865	2,268	-20.8%	\$29,177	\$26,917	-7.7%
Total	-	-	-	-	\$963,364	\$839,617	-12.8%

*Gasoline and diesel costs estimated based on average weekly cost from EIA.gov, \$2.37 for gasoline and \$2.96 for diesel in FY20 and \$2.57 for gasoline and \$3.18 for diesel in FY19.

**Other Building Energy sources include oil, propane, steam, and chilled water.

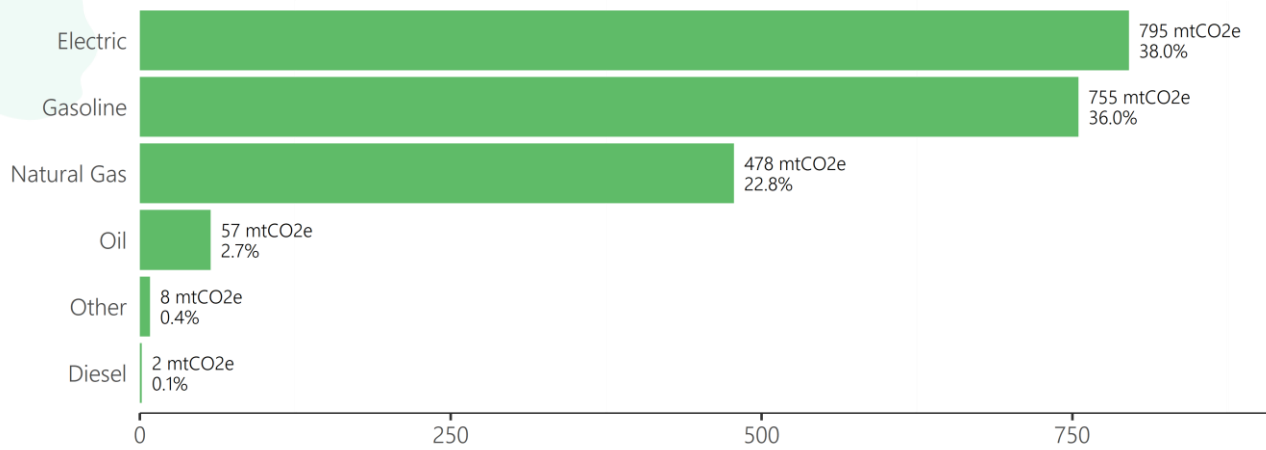
Commodity Cost Breakdown, FY20

The chart below represents the breakdown of commodity costs at DMV in FY20.



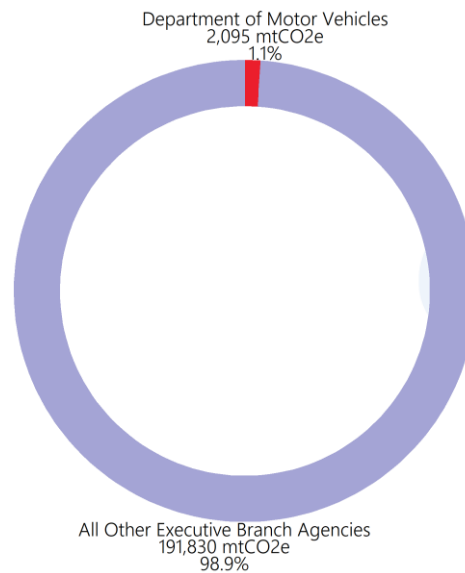
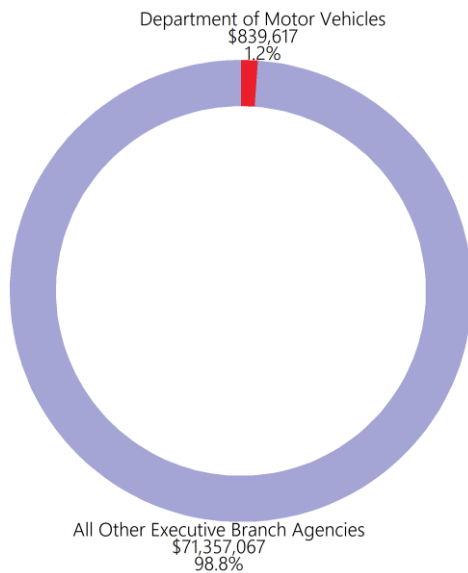
GHG Emissions Breakdown, FY20

The chart below represents the breakdown of GHG emissions by commodity at DMV in FY20.



Share of Utility Costs and GHG Emissions

The two charts below display DMV's proportion of the FY20 total utility cost and the total GHG emissions of all agencies participating in EO 1.



Future Planning

GHG Reduction (energy/fleet related)

Status of FY19 Plans

- ✓ **Progress has been made.**
Progress has stalled.
Plans have been completed.
Stated plans no longer a priority.

Planned FY21 Projects

DMV is currently working to upgrade the interior & exterior lighting to LEDs at the DMV's main campus in Wethersfield. Construction had begun in the fall of 2020 to replace the Norwalk DMV's roof & HVAC system. We're expecting to realize energy cost reductions due to these upgrades. DMV continues to incorporate energy efficiency in all facility 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

Status of FY19 Plans

- ✓ **Progress has been made.**
Progress has stalled.
Plans have been completed.
Stated plans no longer a priority.

Planned FY21 Projects

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

Waste Reduction

Status of FY19 Plans

- ✓ **Progress has been made.**
Progress has stalled.
Plans have been completed.
Stated plans no longer a priority.

Planned FY21 Projects

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.

COVID-19 Impacts

Impact of COVID-19 on agency's ability to make progress on the goals of EO 1 in FY20

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. The ability to have staff telework has been an unexpected benefit towards meeting our EO 1 goals as well. Utility costs, solid waste, and water usage are all down in FY20.

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

Resources Needed

Barriers encountered while making EO 1 progress in FY20

- ✓ **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.