

State of Connecticut
FY 2020

Sustainability Performance Plan

Department Mental Health & Addiction Services

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Approved by Miriam Delphin-Rittmon, Ph.D.
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.

DMHAS and EO 1

DMHAS's mission

The Connecticut Department of Mental Health and Addiction Services is a health care agency whose mission is to promote the overall health and wellness of persons with behavioral health needs through an integrated network of holistic, comprehensive, effective services and supports that foster dignity, respect, and self-sufficiency in those we serve.

DMHAS's FY20 participation overview

The Department continues to move forward with several energy savings projects in FY 20 and 21. While COVID 19 has been our major focus this past year meeting EO 1 is still very important to the Department.

DMHAS staff involvement in EO 1

Steven Hecimovich, DMHAS Engineering
Lorretta Eisler, DMHAS Engineering
Evette Hecht, Fiscal Services

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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: Ct. Valley Hospital

Project Type: Structural - Renewable energy

Description: Installed electric car charging station at CVH campus. This solar powered project consists of 6 car charges.

Status: Completed in FY 2020

Benefits Summary: In addition to charging electric cars daily, the station electric current from the panels not used for car charging go into the CVH grid.

2

Location: Ct Valley Hospital

Project Type: Behavioral - GHG - Building energy efficiency

Description: Replaced 750 i.f. of underground steam pipe that was failing.

Status: Completed in FY 2020

Benefits Summary: This was phase 2 of a three phase project to replace failing steam piping on CVH Campus. This project will reduce the amount of steam loss to several buildings thus reducing natural gas expenses and water usage.

3

Location: Greater Bridgeport Mental Health Center

Project Type: Behavioral - GHG - Building energy efficiency

Description: This project replaced hvac equipment throughout the facility both systems and controls.

Status: Completed in FY 2020

Benefits Summary: Better and more cost effective heating and cooling at the facility.

Cost Savings: Estimated savings \$100K per year.

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

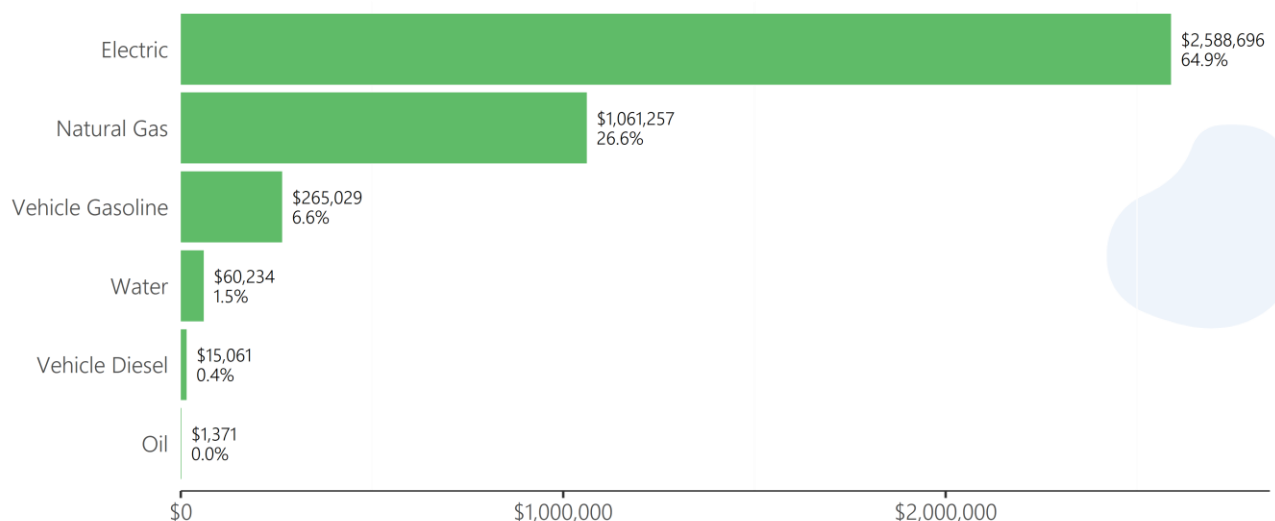
Commodity	Unit	Use			Cost		
		FY19	FY20	Change	FY19	FY20	Change
Electric & Natural Gas	MMBtu	217,586	203,868	-6.3%	\$4,295,172	\$3,649,953	-15.0%
Other Building Energy	MMBtu	594	79	-86.7%	\$10,153	\$1,371	-86.5%
Vehicle Gasoline	Gal	135,954	111,827	-17.7%	\$349,403	\$265,029	-24.1%
Vehicle Diesel	Gal	13,534	5,088	-62.4%	\$43,038	\$15,061	-65.0%
Total GHG Emissions	mtCO2e	14,188	13,177	-7.1%	-	-	-
Water	Kgal	8,335	9,510	+14.1%	\$46,586	\$60,234	+29.3%
Total	-	-	-	-	\$4,744,352	\$3,991,648	-15.9%

*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.

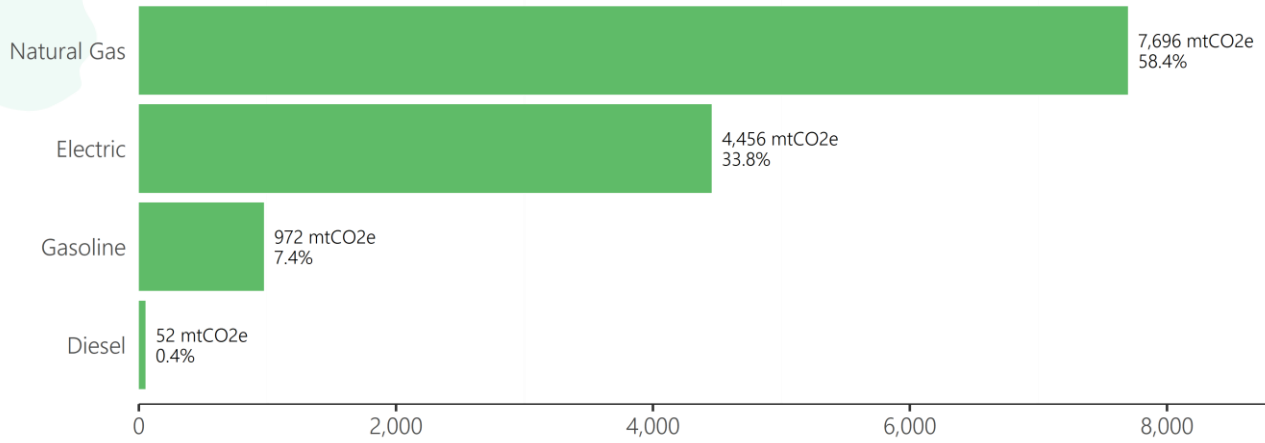
Commodity Cost Breakdown, FY20

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



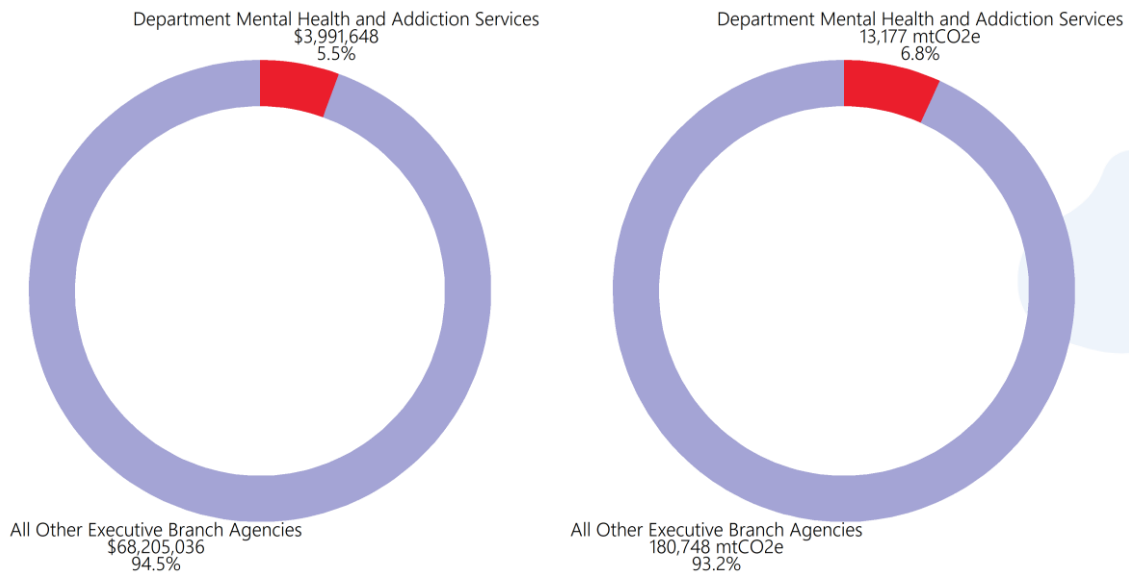
GHG Emissions Breakdown, FY20

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



Share of Utility Costs and GHG Emissions

The two charts below display DMHAS'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

Replace interior and exterior lighting at various building on CVH campus.

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

Phase 3 replacement of over 2,000 l.f. of underground steam pipe at CVH.

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

DMHAS will be meeting with DEEP staff to identify a food waste reduction project at the CVH kitchen for FY 2021.

COVID-19 Impacts

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

We have continued to move on our projects during COVID 19 though projections took longer to complete.

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

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

Office space need and current configuration of office settings are being reviewed due to the pandemic and future renovation of space.

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

Continued funding resources.