

State of Connecticut

FY 2020

Sustainability Performance Plan

Department of Developmental Services

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Approved by Jordan A. Scheff
Commissioner



greenergovCT

A Lead by Example Initiative

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.

DDS and EO 1

DDS's mission

The mission of the Department of Developmental Services (DDS) is to partner with the individuals we support and their families, to support lifelong planning and to join with others to create and promote meaningful opportunities for individuals to fully participate as valued members of their communities.

DDS's FY20 participation overview

DDS has achieved Level 1 (current energy invoices entered) compliance and is participating in the renewable energy and reporting project teams. The Department implemented projects (described below) in fiscal year 2020 to improve sustainability. In addition, DDS is working on Level 2 (building inventory) and Level 3 (historical energy invoices) compliance.

DDS staff involvement in EO 1

Scott McWilliams
Kevin Lawton
Warren Schilling
Linda Gamache

1

Sustainability Project

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: Statewide

Project Type: Behavioral - GHG - Vehicle/fleet

Description: Reduce use of mileage reimbursement and use of state vehicles.

Status: In progress in FY 2020

Benefits Summary: Reduced greenhouse gas emissions, mileage reimbursement expenses, gasoline expenses.

Cost Savings: \$200,000

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

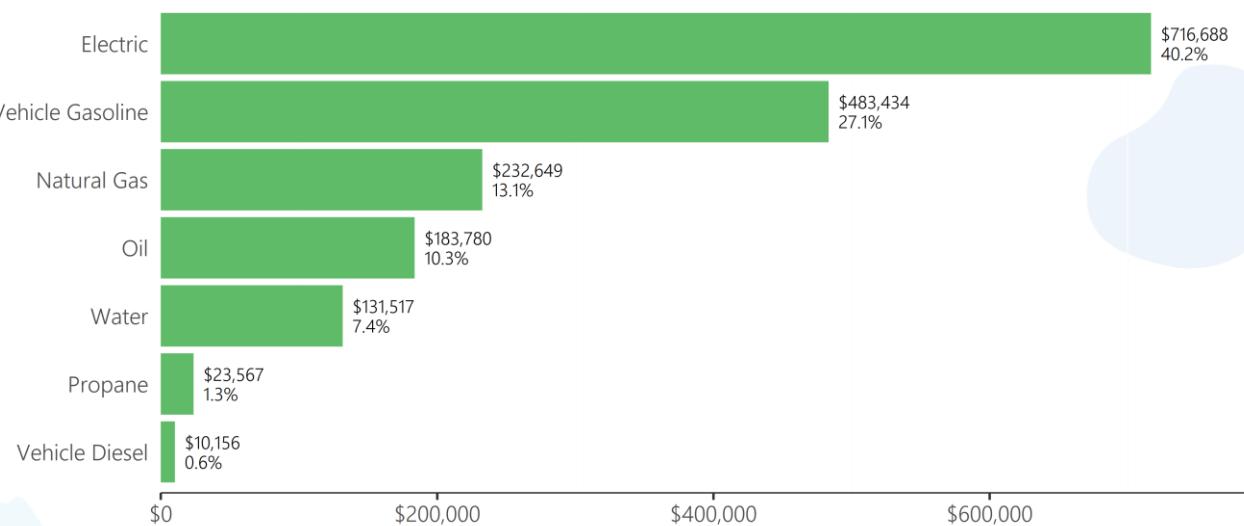
Commodity	Unit	Use		Cost			
		FY19	FY20	Change	FY19	FY20	Change
Electric & Natural Gas	MMBtu	30,209	32,546	+7.7%	\$1,230,898	\$949,337	-22.9%
Other Building Energy	MMBtu	19,237	25,656	+33.4%	\$258,888	\$207,348	-19.9%
Vehicle Gasoline	Gal	261,246	203,981	-21.9%	\$671,403	\$483,434	-28.0%
Vehicle Diesel	Gal	5,558	3,431	-38.3%	\$17,676	\$10,156	-42.5%
Total GHG Emissions	mtCO2e	5,569	5,654	+1.5%	-	-	-
Water	Kgal	61,059	77,143	+26.3%	\$126,178	\$131,517	+4.2%
Total	-	-	-	-	\$2,305,043	\$1,781,793	-22.7%

*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.

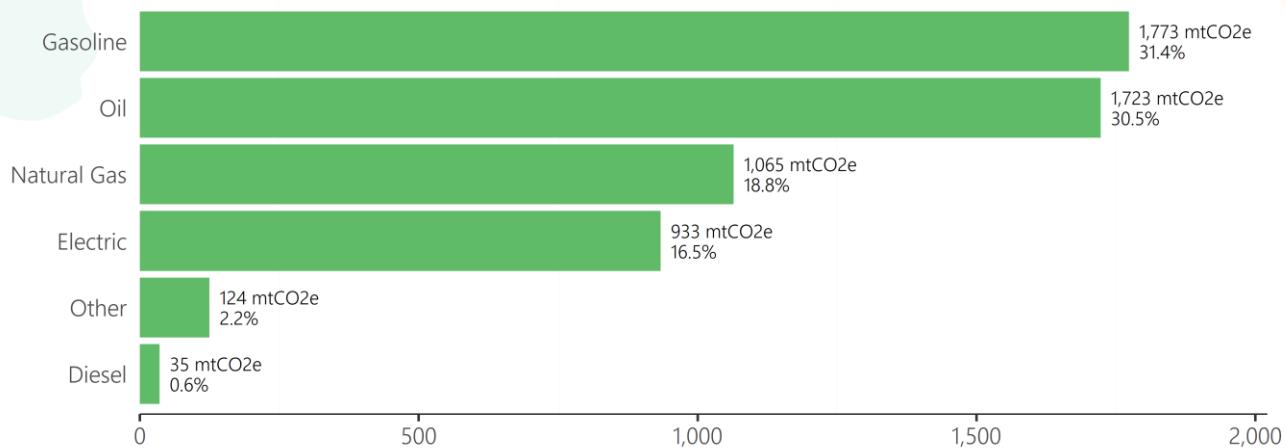
Commodity Cost Breakdown, FY20

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



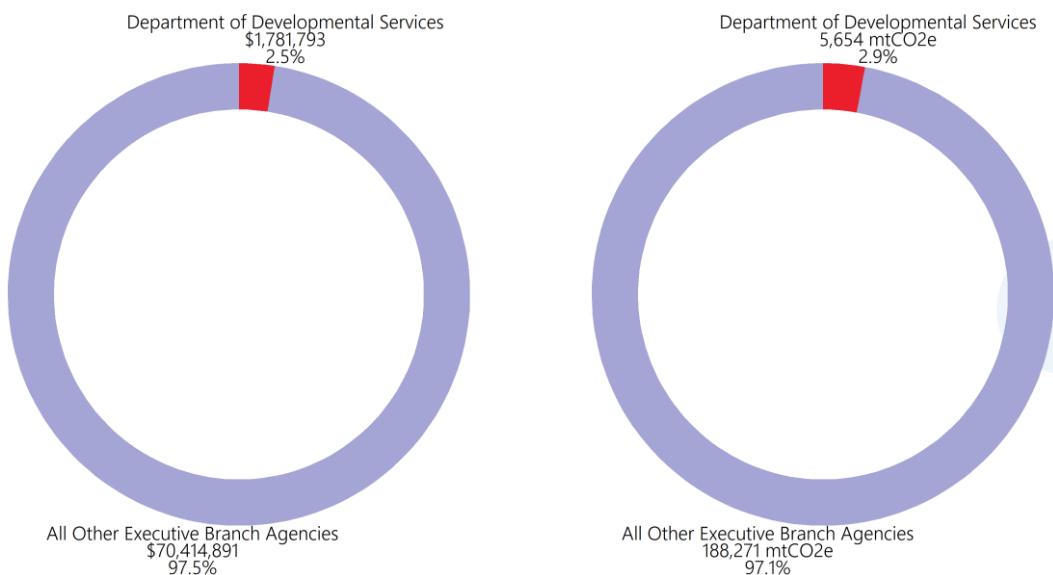
GHG Emissions Breakdown, FY20

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



Share of Utility Costs and GHG Emissions

The two charts below display DDS'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

- a. Numerous 25+ year old A/C units need to be replaced in our Group Homes across the agency with high efficiency units.
- b. Several Boilers need replacement
- c. Replace 2 HVAC systems
- d. Continuing to replace lighting to LED fixtures.
- e. Upgrade large diesel generator at 35 Undercliff Road with a cleaner burning gas fired unit

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

- Ongoing replacement of standard toilets with those that are Low Consumption fixtures

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

- DDS does not have any planned waste reducing projects in FY 21

COVID-19 Impact

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

DDS provides direct care and funds private providers that support individuals with intellectual disabilities. Supporting these individuals and the entities that support them has been the Department's priority during the pandemic. Other projects have taken lower priority.

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

The Department operates or leases more than fifty facilities, including Southbury Training School built in the 1930s and three regional centers built in the 1960s. Repairs and maintenance of the Department's aging physical plant tie up resources (personnel and funding) that could otherwise be used for environmental upgrades that would reduce greenhouse gas emissions and water consumption.