

State of Connecticut  
FY 2020

# Sustainability Performance Plan

## Department of Labor

Prepared by Patrick Tallarita  
Senior Sustainability Officer

Approved by Kurt Westby  
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.

# DOL and EO 1

## DOL's mission

The Department is committed to protecting and promoting the interests of Connecticut workers. In order to accomplish this in an ever-changing environment, we assist workers and employers to become competitive in the global economy. We take a comprehensive approach to meeting the needs of workers and employers, and the other agencies that serve them. We ensure the supply of high-quality integrated services that serve the needs of our customers.

## DOL's FY20 participation overview

Due to the Pandemic and Agency priorities DOL's participation was limited.

## DOL staff involvement in EO 1

Patrick Tallarita

# 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:** Statewide

**Project Type:** Behavioral - GHG - Building energy efficiency

**Description:** Upgrade of pc's and laptops throughout DOL to more energy efficient models

**Status:** Completed in FY 2020

**Benefits Summary:** Energy consumption

2

**Location:** 200 Folly Brook Wethersfield

**Project Type:** Structural - GHG - Building energy efficiency

**Description:** Replace outdated UPS and UPS air-conditioning system to a much improved efficient components.

**Status:** Completed in FY 2020

**Benefits Summary:** Electric usage reduction

3

**Location:** 200 Folly Brook Wethersfield

**Project Type:** Structural - Water

**Description:** Upgrade of all restroom hardware to address leaks

**Status:** Completed in FY 2020

**Benefits Summary:** Water use/waste

# 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

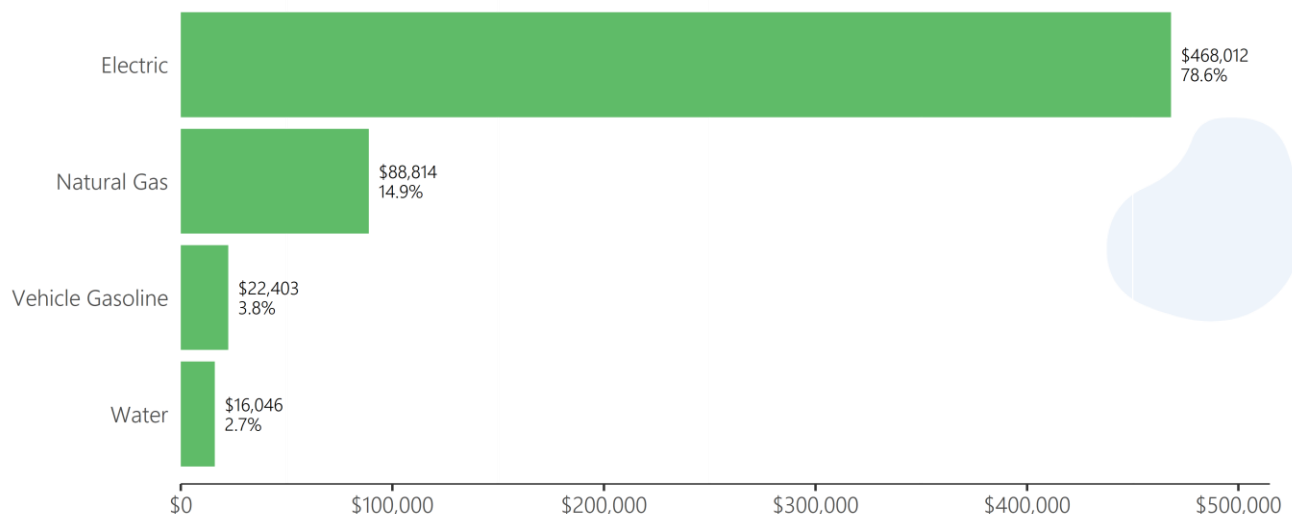
Commodity	Unit	Use			Cost		
		FY19	FY20	Change	FY19	FY20	Change
Electric & Natural Gas	MMBtu	20,889	20,676	-1.0%	\$614,356	\$556,827	-9.4%
Other Building Energy	MMBtu	-	-	-	-	-	-
Vehicle Gasoline	Gal	13,642	9,453	-30.7%	\$35,060	\$22,403	-36.1%
Vehicle Diesel	Gal	-	-	-	-	-	-
<b>Total GHG Emissions</b>	<b>mtCO2e</b>	<b>1,474</b>	<b>1,416</b>	<b>-3.9%</b>	-	-	-
Water	Kgal	1,565	1,433	-8.4%	\$16,005	\$16,046	+0.3%
<b>Total</b>	-	-	-	-	<b>\$665,421</b>	<b>\$595,275</b>	<b>-10.5%</b>

\*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.

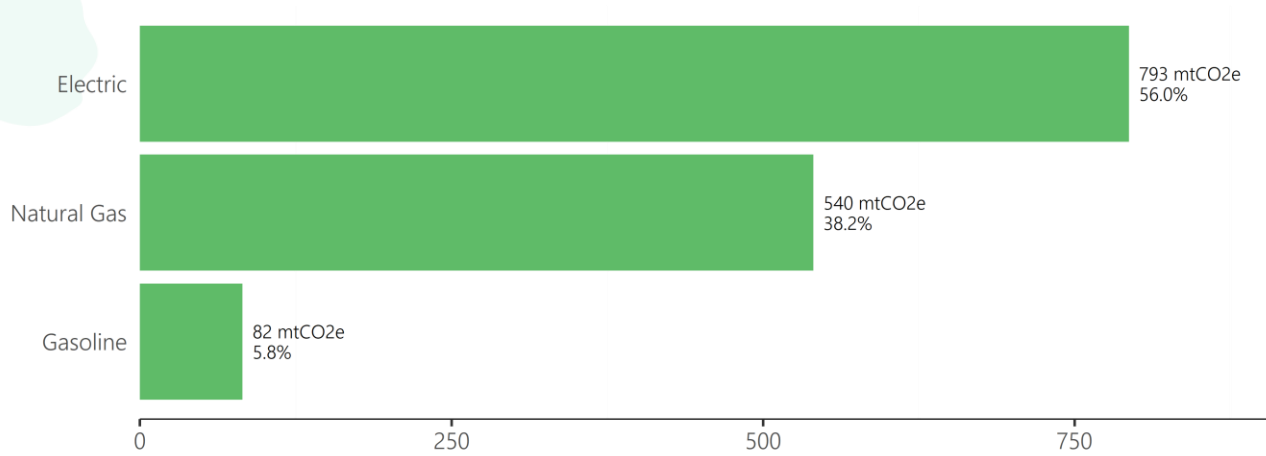
## Commodity Cost Breakdown, FY20

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



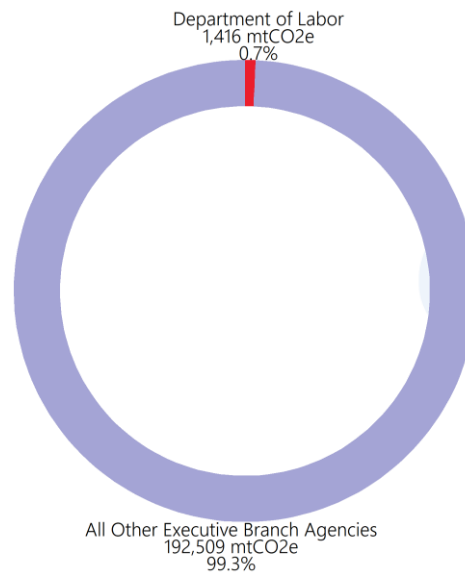
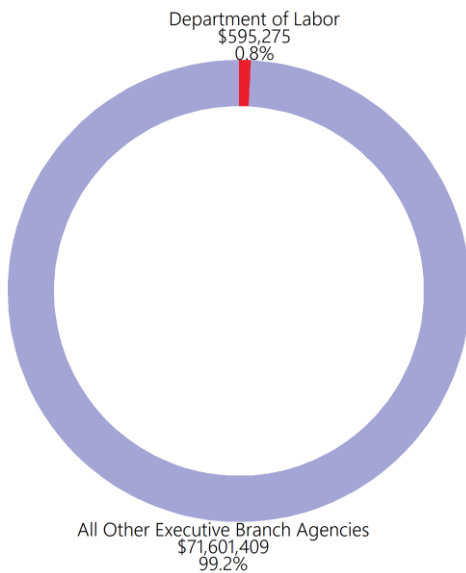
## GHG Emissions Breakdown, FY20

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



## Share of Utility Costs and GHG Emissions

The two charts below display DOL'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

Planning stalled do to the unknowns associated with response to the pandemic.

## 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

No plans at this time.

## 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

Planning stalled do to the unknowns associated with response to the pandemic.

# COVID-19 Impacts

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

Most of our goal we achieved, although evaluation of benefits have been had to apply do to remote work factoring

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

Commuting and physical site visits have drastically been reduced. This has had a positive carbon footprint reduction

## 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

Much of the low hanging sustainability projects have been addressed, or will be addressed without issue post pandemic. The larger project will require technical expertise and funding.