

State of Connecticut
FY 2020

Sustainability Performance Plan

Office of Policy & Management

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Approved by Melissa McCaw
Secretary



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.

OPM and EO 1

OPM's mission

As the State of CT's Budget Office, OPM plays a multifaceted role with EO 1; in addition to establishing policies for state actions and overseeing funding, we also share in the behavioral and logistical challenges with all of the executive branch agencies to ensure the Governor's initiative is successful. As such, OPM will strive to implement sustainability projects as well as adjust our behavioral habits. Whether funding for energy projects or turning off a light switch, all actions to assist with this initiative will be pursued.

OPM's FY20 participation overview

EO 1 Steering Committee
Energy Efficiency Committee
Finance Committee
Renewable Energy Committee
Accounting & Reporting Committee
Building Audits Team
Sustainability in Leased Spaces Committee

OPM staff involvement in EO 1

Claire Coleman
Pauline Zaldonis
Paul Hinsch

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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: 450 Capitol Ave, Hartford

Project Type: Behavioral - GHG - Building energy efficiency

Description: Trying to take advantage of pandemic by ensuring lights are used minimally. Where no motion sensors exist, careful to make sure switches are off.

Status: In progress in FY 2020

Benefits Summary: Energy savings with an emphasis on creating positive behavioral habits into the future.

2

Location: 450 Capitol Ave, Hartford

Project Type: Structural - Water

Description: Installation of hands-free toilet flushers

Status: Completed in FY 2020

Benefits Summary: Benefits are two-fold: 1) reduce water consumption, 2) safety measure during pandemic

3

Location: 450 Capitol Ave, Hartford

Project Type: Behavioral - GHG - Vehicle/fleet

Description: Encourage staff to utilize mass transit; teleworking under pandemic has temporarily reduced the need for staff using vehicles or mass transit. Will continue effort moving forward.

Status: In progress in FY 2020

Benefits Summary: Reduction in greenhouse gases.

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

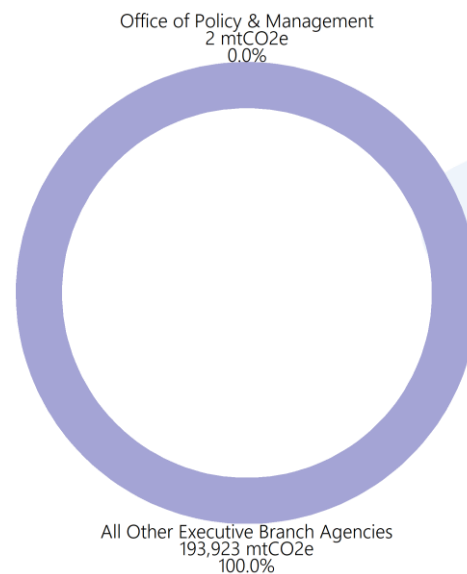
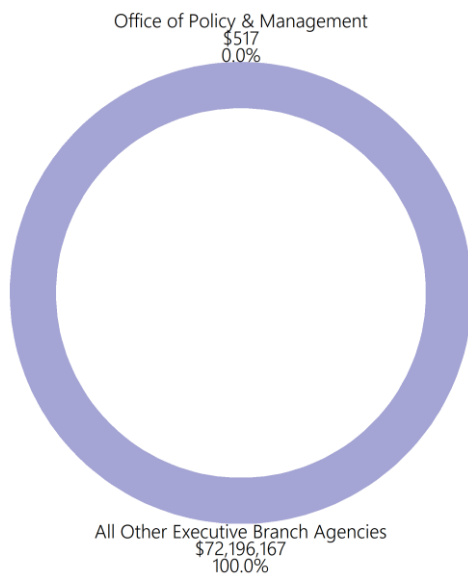
Commodity	Unit	Use			Cost		
		FY19	FY20	Change	FY19	FY20	Change
Electric & Natural Gas	MMBtu	-	-	-	-	-	-
Other Building Energy	MMBtu	-	-	-	-	-	-
Vehicle Gasoline	Gal	291	218	-25.1%	\$749	\$517	-31.0%
Vehicle Diesel	Gal	-	-	-	-	-	-
Total GHG Emissions	mtCO2e	3	2	-25.0%	-	-	-
Water	Kgal	-	-	-	-	-	-
Total	-	-	-	-	\$749	\$517	-31.0%

*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.

Share of Utility Costs and GHG Emissions

The two charts below display OPM'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

Continuation of existing plans.

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

Hands-free sensors installed on toilets

Water Use Reduction

Status of FY19 Plans

- Progress has been made.
Progress has stalled.
Plans have been completed.
Stated plans no longer a priority.
- ✓ **Other: With teleworking during pandemic, waste reduction has certainly occurred, will need to continue effort when staff return.**

Planned FY21 Projects

Continue efforts.

COVID-19 Impacts

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

With limited staff for the past year, behavioral changes have not occurred as planned, but experience offers positive ideas.

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

Due to covid-19, we had hands-free toilet sensors installed. Will have to see what CDC and DPH requirements come out of this pandemic, and then we can plan accordingly for space efficiency.

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

Post Covid-19 requirements to do future planning for better efficiency levels.