

State of Connecticut
FY 2020

Sustainability Performance Plan

CT State Library

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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.

CSL and EO 1

CSL's mission

The mission of the Connecticut State Library is to preserve and make accessible Connecticut's history and heritage and to advance the development of library services statewide. The Connecticut State Library is an Executive Branch agency of the State of Connecticut. The State Library provides a variety of library, information, archival, public records, museum, and administrative services for citizens of Connecticut, as well as for the employees and officials of all three branches of State government. The State Library also serves students, researchers, public libraries and town governments throughout the state. In addition, the State Library directs a program of statewide library development and administers the Library Services and Technology Act state grant.

CSL's FY20 participation overview

Served on the Renewable Team committee.

CSL staff involvement in EO 1

Frank Calvi

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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: Library for the Blind and Physically Handicapped (LBPH)

Project Type: Structural - GHG - Building energy efficiency

Description: Replace 37 year old original HVAC systems with two new TRANE natural gas fueled updated systems.

Status: Completed in FY 2020

Benefits Summary: The new units are more efficient in heating and cooling the required area for less of a monthly operating costs.

2

Location: LBPH

Project Type: Structural - Water

Description: Original hot water heater replaced due to malfunction, which no longer produced hot water.

Status: Completed in FY 2020

Benefits Summary: The new hot water heater once again produced hot water once again with a more efficient product.

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

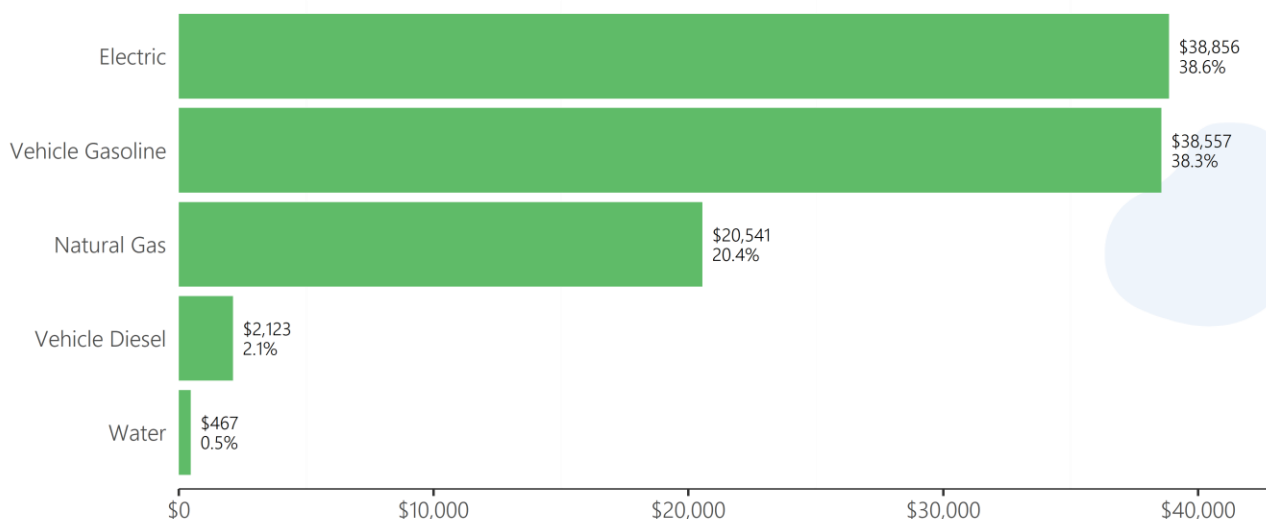
Commodity	Unit	Use			Cost		
		FY19	FY20	Change	FY19	FY20	Change
Electric & Natural Gas	MMBtu	2,510	2,405	-4.2%	\$62,852	\$59,397	-5.5%
Other Building Energy	MMBtu	-	-	-	-	-	-
Vehicle Gasoline	Gal	20,950	16,269	-22.3%	\$53,843	\$38,557	-28.4%
Vehicle Diesel	Gal	-	717	-	-	\$2,123	-
Total GHG Emissions	mtCO2e	334	293	-12.3%	-	-	-
Water	Kgal	47	18	-61.9%	\$1,070	\$467	-56.4%
Total	-	-	-	-	\$117,765	\$100,544	-14.6%

*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.

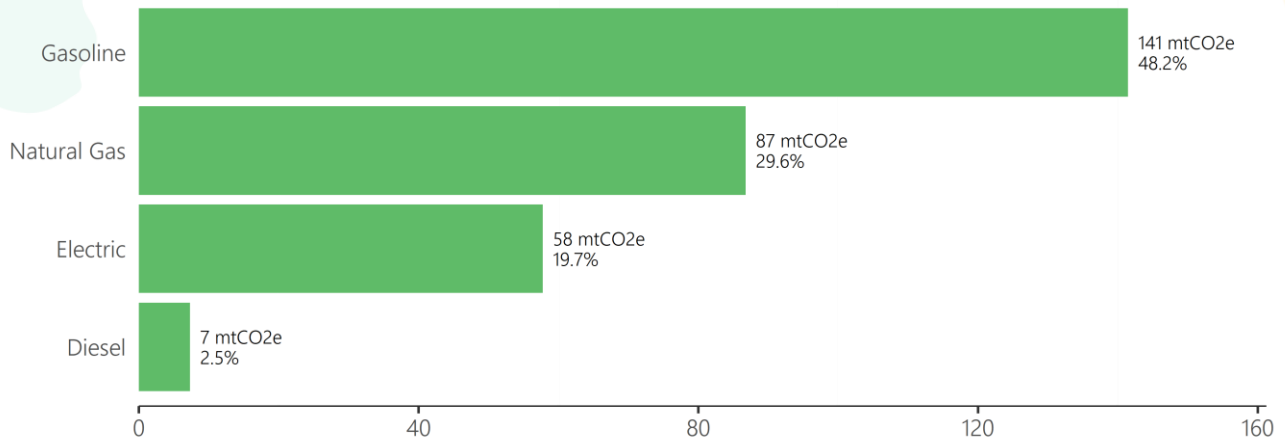
Commodity Cost Breakdown, FY20

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



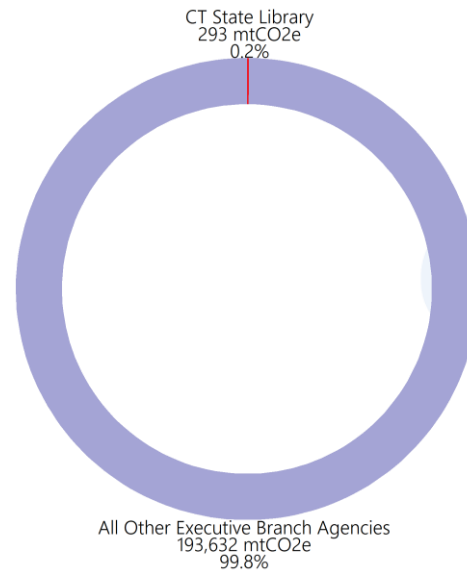
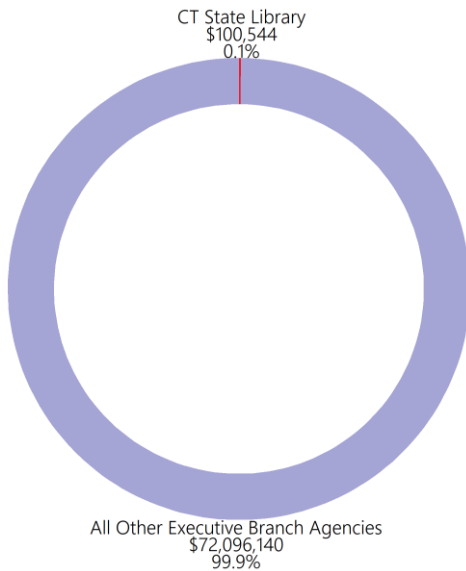
GHG Emissions Breakdown, FY20

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



Share of Utility Costs and GHG Emissions

The two charts below display CSL'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 two HVAC systems in the MLSC and the records center buildings.

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

Install updated plumbing materials and supplies to reduce water reduction.

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

With the installation of modern systems to building renovations will help reduce waste.

COVID-19 Impacts

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

Projects needed to be put on hold as a result.

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

Will continue with projects to update the agency facilities with more energy efficient products, which will hopefully reduce costs.

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

Additional funding

Additional info on CSL's participation in EO 1 during FY 2020

Made some progress with limited funding.