

Sustainability Performance Plan

FY 2023

*This report was written in compliance with
section 5 of Executive Order 1.*



Sustainability Performance Plan

Executive Order 1 (EO 1) calls on 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.

The goals of EO 1 include:

- 45% reduction in GHG emissions below 2001 levels,
- 10% reduction in water consumption from a FY20 baseline, and
- 25% reduction in waste disposal from a FY20 baseline.

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.

This report includes details on sustainability initiatives and participation in the GreenerGov initiative in FY23.

Agency Details

Agency: Department of Public Health

Senior Sustainability Officer: Chukwuma Amechi

Date Submitted: 11/22/2023

GreenerGov CT Participation Overview

1. How has your agency worked towards the sustainability goals of EO 1 in FY23?

DPH continued its effort with upgrading many of its major laboratory equipment's to energy and water efficient models to reduce environmental impacts, save money on energy and water bills directed towards the sustainability goals.

2. List key agency staff involved in EO 1 in FY23.

Jim Vannoy, Renewable Energy
Sue Morin, Building Inventory and Meter Correlating Liaison (State Public Health Lab)
Danielle Pare, Energy CAP Invoice Uploader
Steven Harkey, Water Sustainability Project
TBD, Energy Efficiency Project
Laura Hayes (Advisory member)

Sustainability Projects

3. **How many projects has your agency implemented that had a positive impact on sustainability in FY23? Include projects relating to infrastructure improvements as well as behavioral change that took place in owned, leased, or occupied space and were either in progress or completed in FY23.**

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4. **Provide a summary of the sustainability projects completed in FY23 at your agency. For each project include:**
- Project summary**
 - Project location**
 - Project status**
 - Project benefits**
 - Projected savings (in dollars and the appropriate unit of measurement if known)**

Project Location: DPH Laboratory

Project Summary, Status and Benefits

1. Continued the replacement of more energy efficient Autoclave equipment to replace failing units. These equipment are used for sterilization of biohazardous waste, media, and glassware for testing. DPH installed 8 new sterilizers and 2 new commercial washers which is anticipated to provide savings in energy and water use.
Status: Ongoing
2. Continued the replacement of failed refrigerators and freezers to more energy efficient models. These are utilized for preservation of specimens, samples, testing supplies, etc. The department has replaced 40-50 units to date. This is anticipated to continue to provide savings in energy use. Status: Ongoing

Projected Savings:

Due to continual expansion in services and instrumentation, it is difficult to effectively project energy savings. However, it is anticipated that the various upgrades will result in gradual savings in energy overtime.

Future Plans

5. **What planned sustainability initiatives beyond FY23 does your agency have relating to GHG reduction, water use reduction, and waste reduction?**

The laboratory plans to continue the replacement of failing equipment, including refrigerators and freezers, with more energy efficient model units to provide savings in energy and water use. This is anticipated to provide savings in energy use. For water, one future sustainability project could be the development and distribution of poster/placards about water conservation and 'report a leak' communication. An annual webinar or meeting at the lab could also be implemented to present on conservation efforts and leak reporting. This annual program can include all the other sustainability metrics. This effort will help us to maintain our compliance with the sustainability goals of EO1.