

Sustainability Performance Plan

FY 2022

*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 GreenerGovCT initiative in FY22.

Agency Details

Agency: Department of Mental Health & Addiction Services

Senior Sustainability Officer: Cheryl Arora

Date Submitted: 12/12/2022

GreenerGov CT Participation Overview

1. How has your agency worked towards the sustainability goals of EO 1 in FY22?

The Department incorporates sustainability into projects and into routine building maintenance and repairs at our facilities. DMHAS completed three sustainability projects in FY22 and continues to move forward several energy projects.

2. List key agency staff involved in EO 1 in FY22.

Steven Hecimovich, Director of Engineering Services II
Loretta Eisler, Building Construction Project Supervisor

Sustainability Projects

3. How many projects has your agency implemented that had a positive impact on sustainability in FY22? 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 FY22.

The Department completed three projects in FY22 and is currently in the planning, design, or construction phase for several additional projects.

4. Provide a summary of the sustainability projects completed in FY22 at your agency. For each project include:

- a. **Project summary:** Hydronic Pump Replacement. Replaced the main hydronic pump with a new, high efficiency pump with a variable speed motor and integral drive, including a Building Administration and Control Network system for remote online monitoring and control. Installed two new compact, semi-instantaneous hot water heaters to replace the existing steam-to-hot water heat exchanger which kept hundreds of gallons of water heated 24/7/365.
- b. **Project location:** Whiting Forensic Hospital, CT Valley Hospital, Middletown
- c. **Project status:** Completed in FY22
- d. **Project benefits:** Reduced energy usage
- e. **Projected savings (in dollars and the appropriate unit of measurement if known):** Estimated annual electric energy reduction of 76,411 kWhs with cost savings of approximately \$9,500.

- a. **Project summary:** Hospital Kitchen Cooler Replacement & Recycling Program. Replaced a 30-year old food cooler with a new, more energy-efficient cooler. Implemented a pilot recycling and waste management program where recyclables, food scraps and trash are separated for disposal. A third party vendor picks up an average of 1,500 to 2,000 pounds of food scraps weekly and composts them, reducing waste sent to landfills and has the potential to reduce trash collection costs to the state.
- b. **Project location:** CT Valley Hospital, Middletown
- c. **Project status:** Completed
- d. **Project benefits:** Reduced energy usage and waste disposal
- e. **Projected Savings:** Undetermined

- a. **Project summary:** Completion of Electric Vehicle (EV) Charging Station Parking Lot. Installed six new EV charging stations to the existing group of six to complete the EV charging station parking lot project.
- b. **Project location:** CT Valley Hospital, Middletown
- c. **Project status:** Completed
- d. **Project benefits:** Availability of charging stations encourages employee EV use, with costs offset by a nearby solar array. Users are charged a modest yearly fee.
- e. **Project savings:** N/A

Future Plans

f. **What planned sustainability initiatives beyond FY22 does your agency have relating to GHG reduction, water use reduction, and waste reduction?**

The Department has the following sustainability initiatives underway:

Planning Phase

- Solar array installation on the CT Valley Hospital campus, Middletown
- Chiller replacement for the Page Hall building, CT Valley Hospital campus, Middletown
- Roof replacements including increased roof insulation for two buildings at Capitol Region Mental Health Center, Hartford
- Rooftop A/C unit replacement at Southwest CT Mental Health System, Bridgeport
- Evaluation of expansion of Recycling Program to additional locations.
- Electric Vehicles replacement of nine DMHAS fleet cars.

Design Phase

- Window replacement for multiple buildings on the CT Valley Hospital campus, Middletown
- Energy upgrades at CT Mental Health Center, New Haven
- Boiler replacement at Capitol Region Mental Health Center, Hartford

Construction Phase

- Underground Steam Pipe Replacement Phase III on the CT Valley Hospital campus, Middletown