

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 GreenerGovCT initiative in FY23.

Agency Details

Agency: Military Department

Senior Sustainability Officer: Michael Carragher

Date Submitted: 11/21/2023

GreenerGov CT Participation Overview

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

The Military Department has implemented policies to assist in reducing the amount of GHG overall within the Agency. By removing majority of our underground fuel tanks and converting many facilities from oil to propane and natural gas we have reduced our heating fuel usage by 11% since last year. We have also decreased our natural gas usage by 4% from the previous year and reduced our Electric usage by 2.7%. We continue to make changes and implement new systems to ensure the Agency is meeting the sustainability goals set.

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

Philip Mader – Energy Manager
Robert Dollak – Environmental Manager
Michael Carragher- Fiscal Manager

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.**

The Military Department has award three large construction projects to deal with energy and fossil fuel use within the agency. These include the addition of photovoltaic solar and the addition of electric vehicle charging stations at 11 facilities. The Military Department has initiated two large feasibility studies for additional solar PV across all our facilities in the State. The military department has also improved many of our facilities mechanical systems that provides more efficient equipment.

- 4. Provide a summary of the sustainability projects completed in FY23 at your agency.**

For each project include:

- a. Project summary**
- b. Project location**
- c. Project status**
- d. Project benefits**
- e. Projected savings (in dollars and the appropriate unit of measurement if known)**

Project #1- Norwich Armory Solar PV installation

- a. Installation of a new 50kWDC roof mounted PV Solar System and associated electrical infrastructure.
- b. Norwich Armory, 38 Stott Ave, Norwich, CT 06360
- c. Project has been awarded for construction.
- d. The PV array will produce enough renewable energy to make the facility net zero.
- e. Project will reduce the facility cost to approximately \$0 to operate per year.

Project #2 – Statewide Electric vehicle Charging Stations

- a. Installation of 41 Charging Stations throughout CT at varies facilities for conversion of fleet vehicles.
- b. 11 Facilities being installed statewide.
- c. 12 of 41 Stations commissioned.
- d. Conversion of agency fleet vehicles to reduce dependency and use of fossil fuel.

Project #3 – Building Automation Conversion

- a. Large campus style facilities had the existing proprietary building automation systems upgraded to a non-proprietary controls system.
- b. Camp Hartell, Windsor Locks; Army Aviation Support Facility, Windsor Locks, Ct; and Hartford Armory, Hartford, CT.
- c. Buildings are online and commissioning is taking place.
- d. Allows for facilities to use non-proprietary systems that would normally have integration issues at each facility. Allows for easier maintenance and system control of buildings by allowing more vendors and companies to be able to work on the systems.

Future Plans

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

The Military Department is exploring more opportunities with Greenbank and federal entities to plan and secure alternative funding approaches to different initiatives to support the continued reduction of GHG. The Military Department is continuing to explore opportunities to determine the feasibility in Solar across all our facilities. We continue to work with Federal partners for funding and planning assistance for our initiatives.

The Military Department continues to review and has started the planning of meeting the States decarbonization initiatives and what that would take.