

Plainfield Park District

PRAIRIE ACTIVITY & RECREATION CENTER (PARC)

January 2024 Summary



January OVERVIEW

January Overview

January PV

Annual Overview

Monthly HVAC

Monthly Lighting

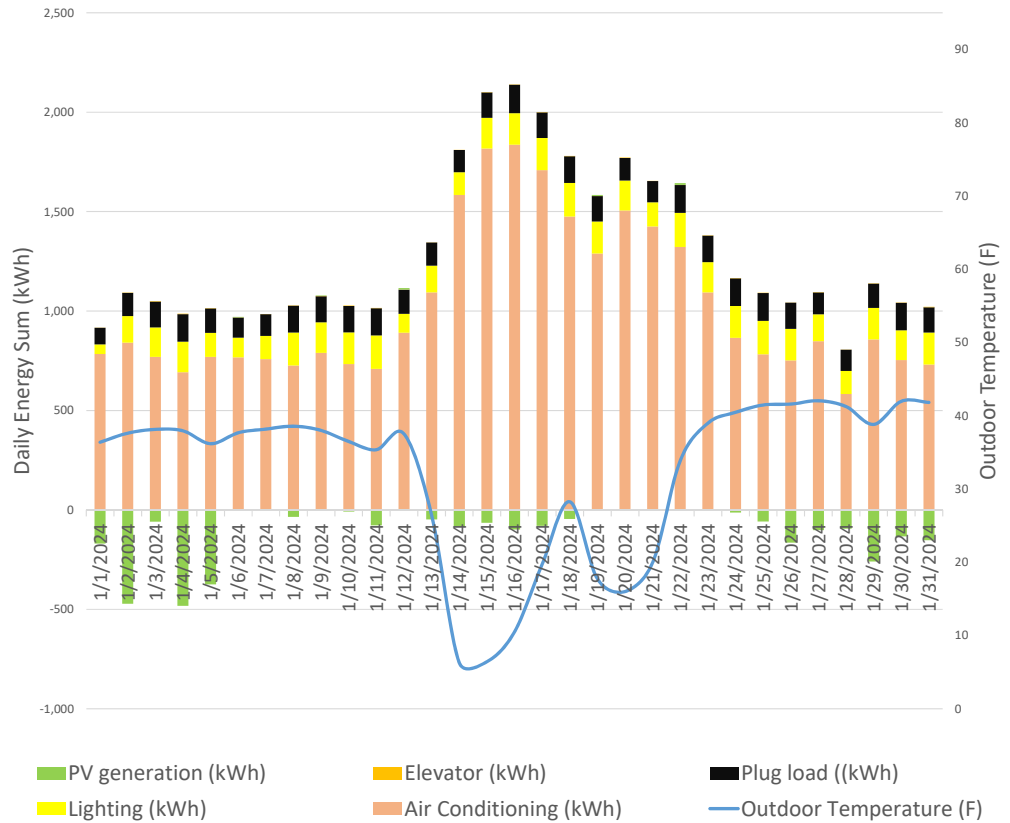
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

January Daily Energy Results



* Plug load = Computer, Fitness equipment, Refrigerator, etc.
 * Only electric loads here.

January PV

January Overview

January PV

Annual Overview

Monthly HVAC

Monthly Lighting

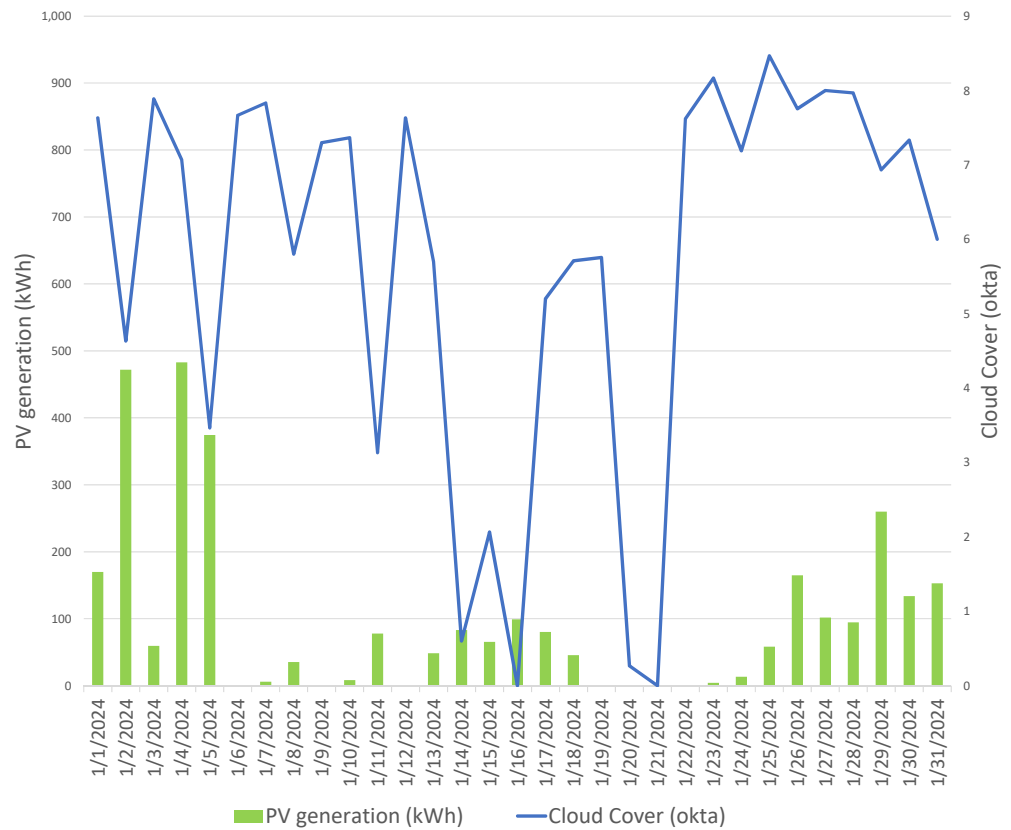
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

January PV Daily



* Cloud cover data based on NOAA data measured at Chicago Aurora Municipal Airport
okta is unit for cloud cover. 0 = clear, 8 = overcast.

* Cloud cover here is daily average during daytime

ANNUAL REVIEW

January Overview

January PV

Annual Overview

Monthly HVAC

Monthly Lighting

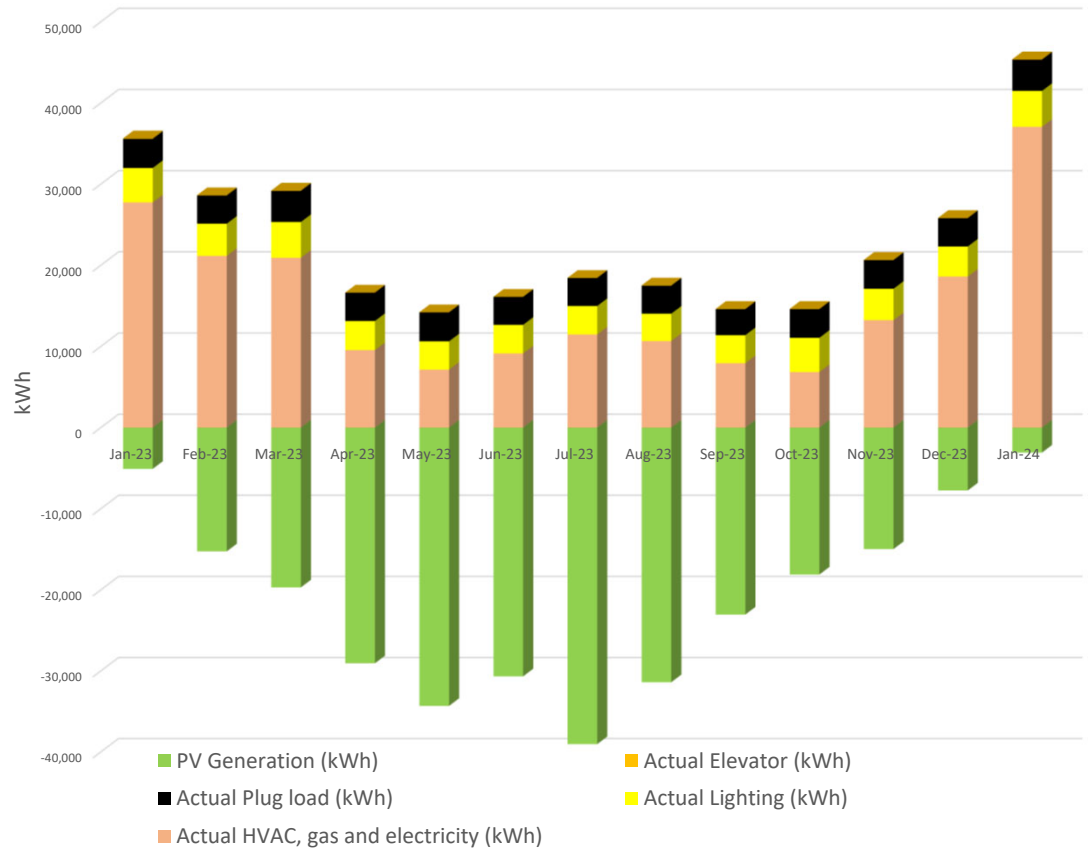
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

Actual Monthly Compiled (kWh)



MONTHLY HVAC

January Overview

January PV

Annual Overview

Monthly HVAC

Monthly Lighting

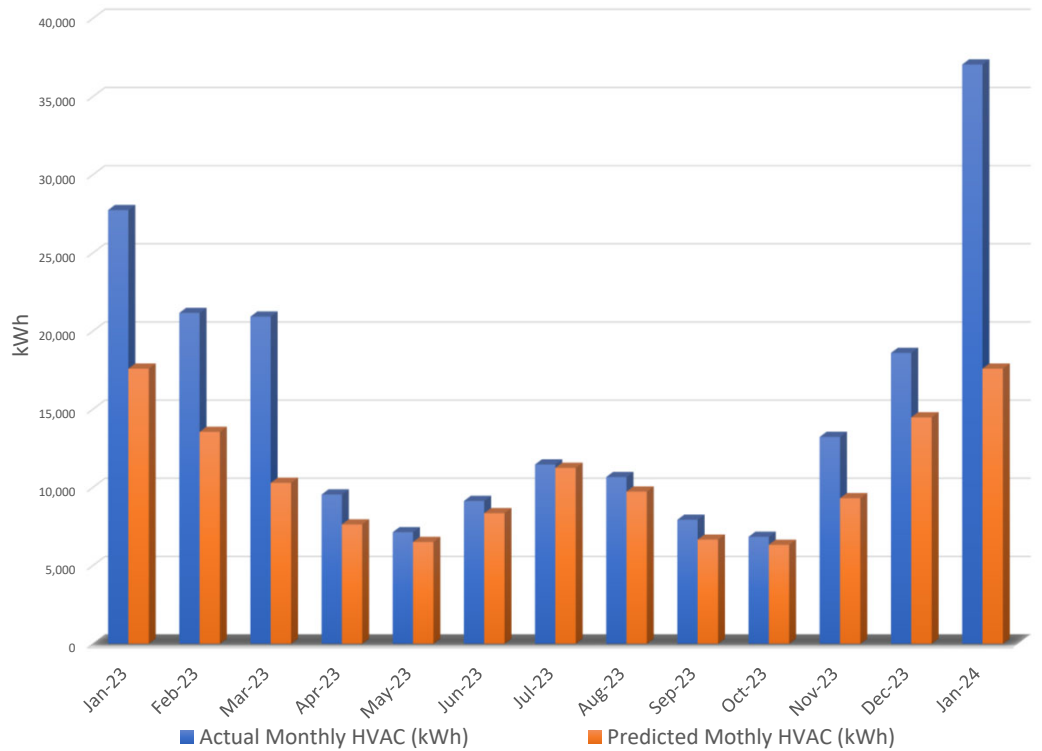
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

Monthly HVAC (kWh)



*HVAC = Heating, Ventilation and air conditioning

MONTHLY LIGHTING

January Overview

January PV

Annual Overview

Monthly HVAC

Monthly Lighting

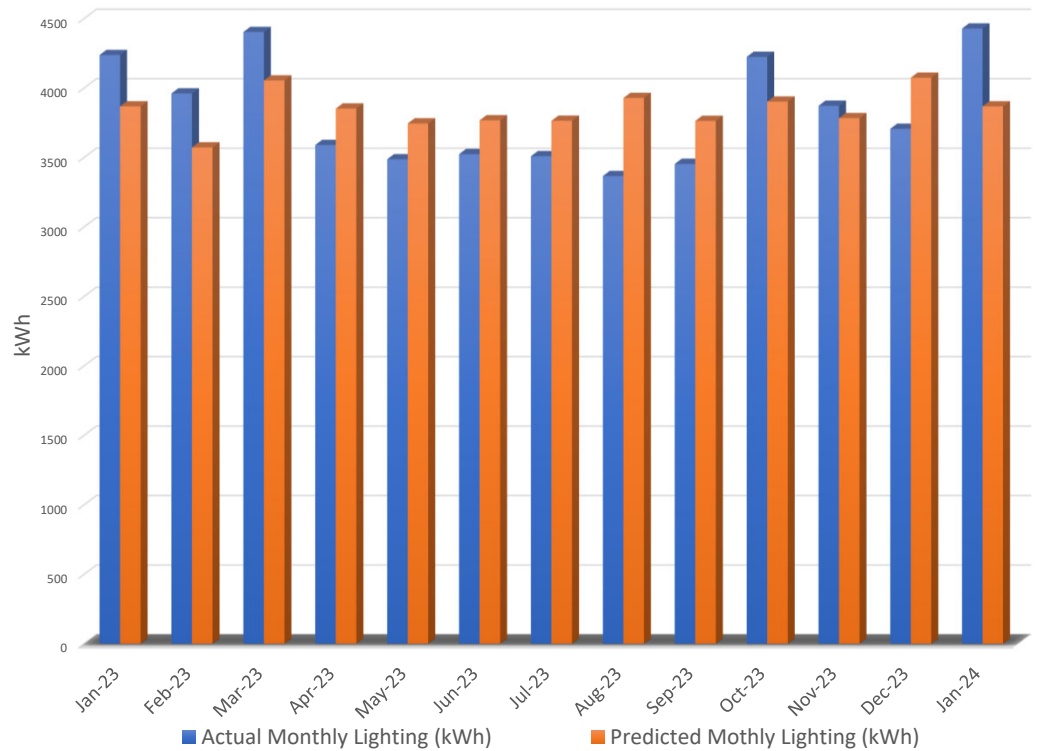
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

Monthly Lighting (kWh)



MONTHLY PLUG LOAD

January Overview

January PV

Annual Overview

Monthly HVAC

Monthly Lighting

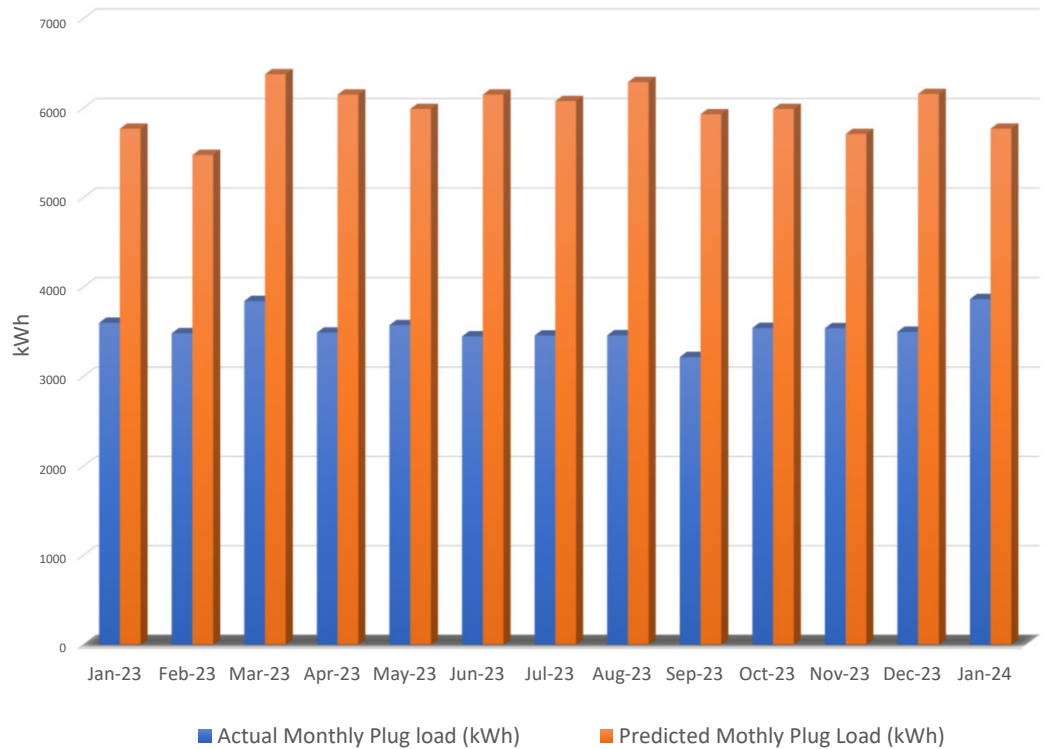
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

Monthly Plug Load Consumption (kWh)



MONTHLY PV

January Overview

January PV

Annual Overview

Monthly HVAC

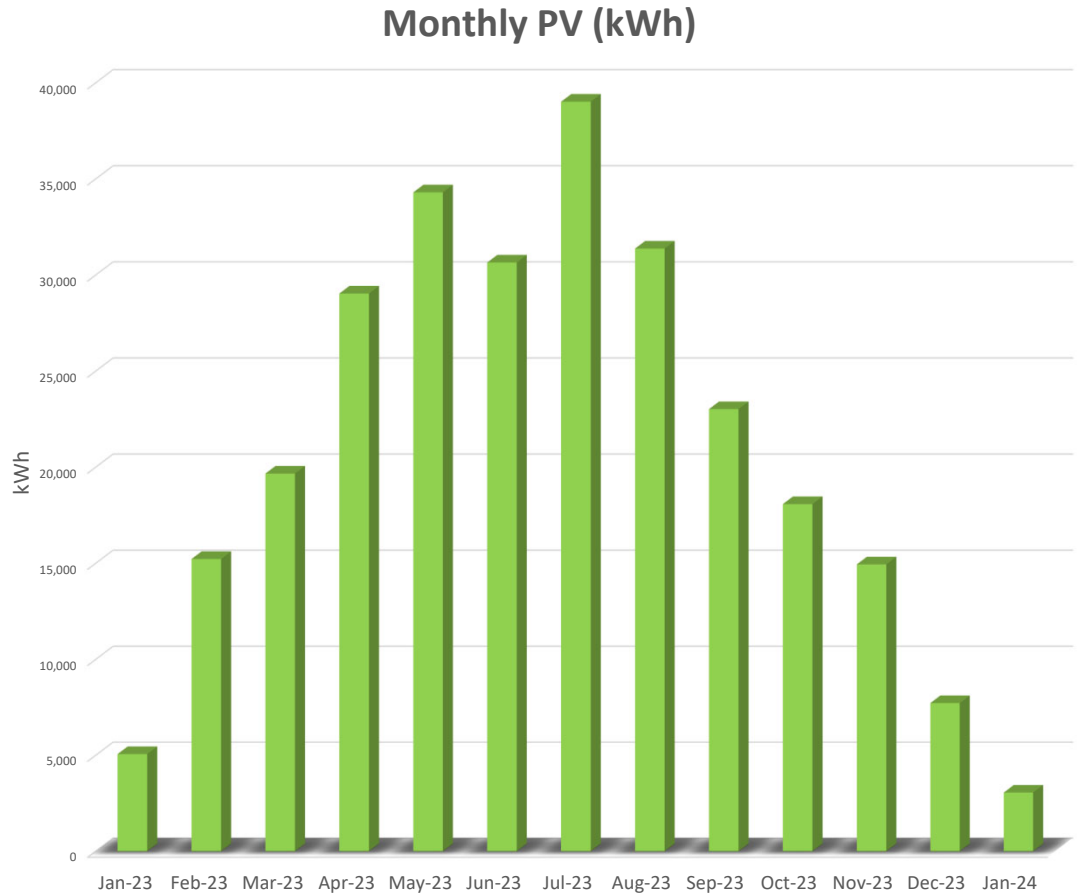
Monthly Lighting

Monthly Plug Load

Monthly PV

Cumulative

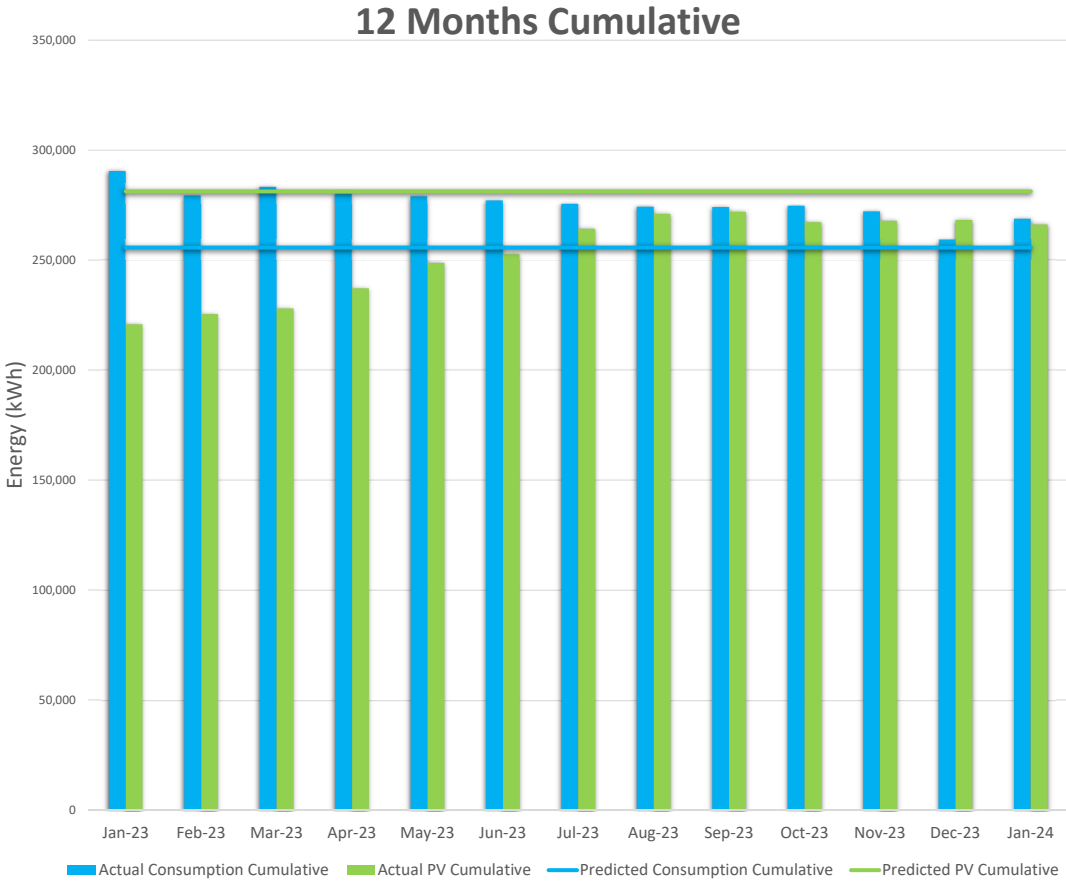
Carbon Emissions



*PV=Photovoltaics, generating electricity using solar power

12 Months Cumulative

- January Overview
- January PV
- Annual Overview
- Monthly HVAC
- Monthly Lighting
- Monthly Plug Load
- Monthly PV
- Cumulative**
- Carbon Emissions

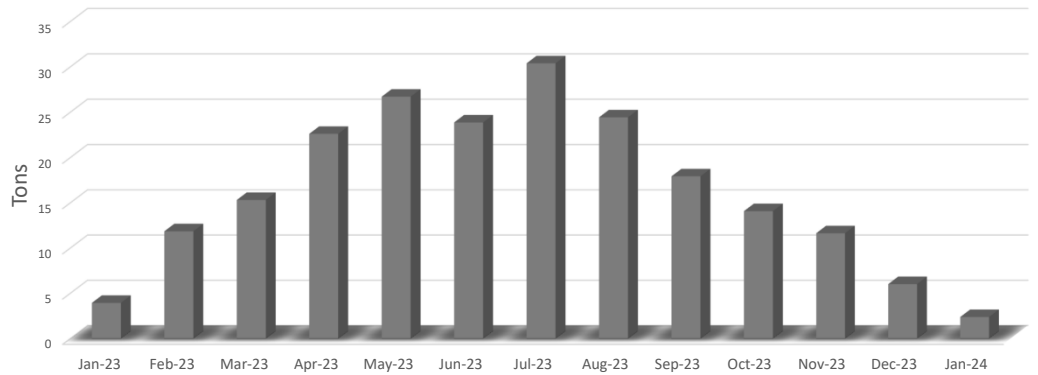


* Data of each month here represents the cumulative of labeled month and previous 11 months. Eg: Jan-21 represents the cumulative data of Feb-20 to Jan-21.

CARBON EMISSIONS

- January Overview
- January PV
- Annual Overview
- Monthly HVAC
- Monthly Lighting
- Monthly Plug Load
- Monthly PV
- Cumulative
- Carbon Emissions**

Monthly Equivalent Avoided CO2 Emissions (Tons)



Cumulative CO₂ avoided since September 2019



779Tons

January PV : 3,066 kWh



2.39 Ton CO₂



5,491 Miles driven by an average passenger vehicle



0.27 homes' energy use for one year



260,544 smartphones charged