

Plainfield Park District

PRAIRIE ACTIVITY & RECREATION CENTER (PARC)

May 2023 Summary



May OVERVIEW

May Overview

May PV

Annual Overview

Monthly HVAC

Monthly Lighting

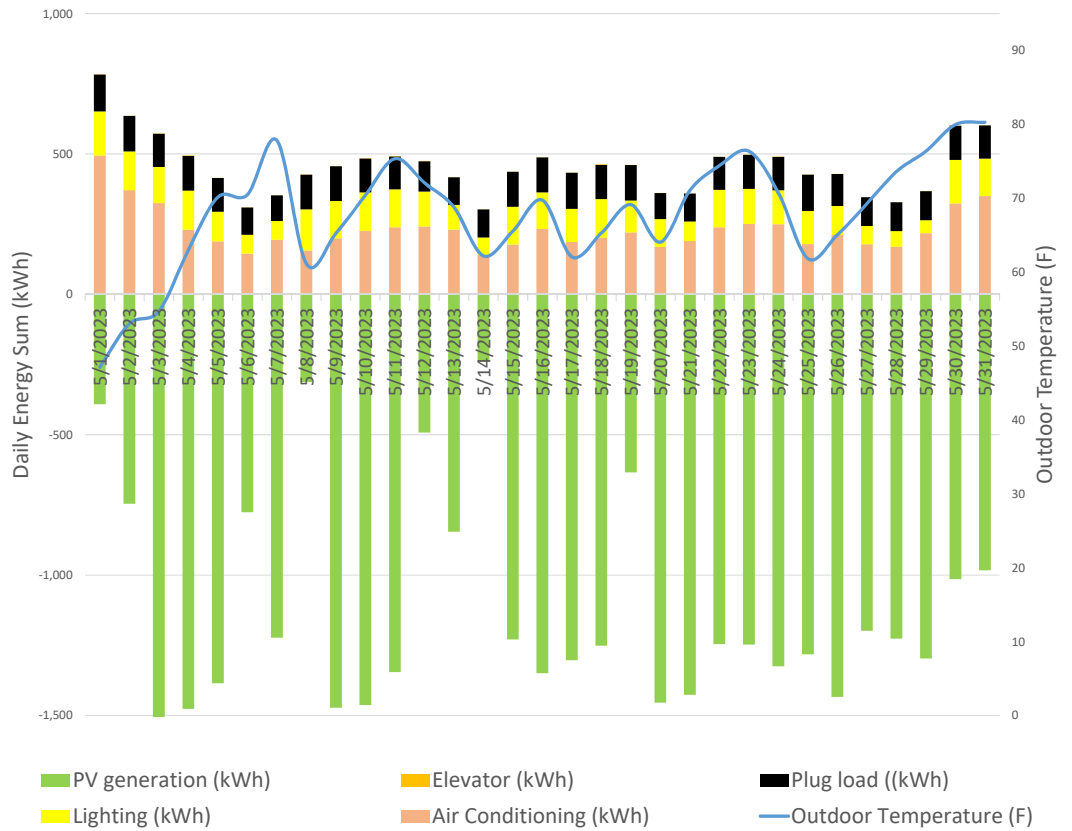
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

May Daily Energy Results



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

May PV

May Overview

May PV

Annual Overview

Monthly HVAC

Monthly Lighting

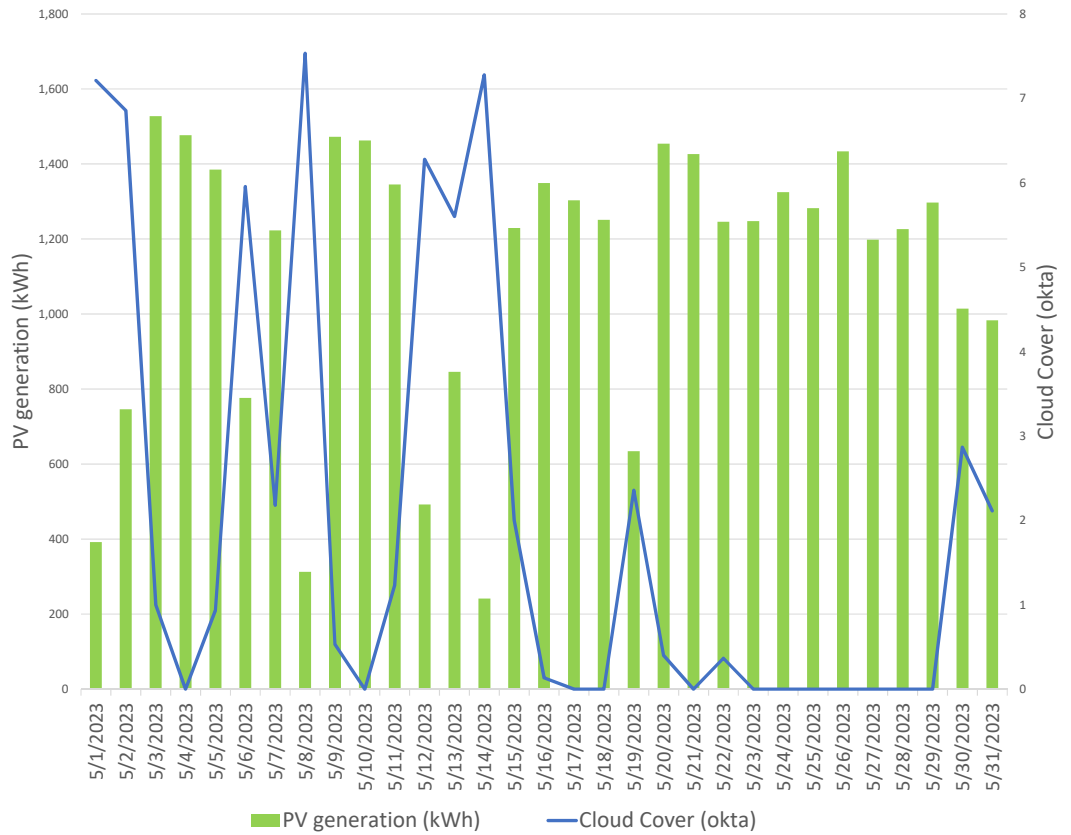
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

May 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

May Overview

May PV

Annual Overview

Monthly HVAC

Monthly Lighting

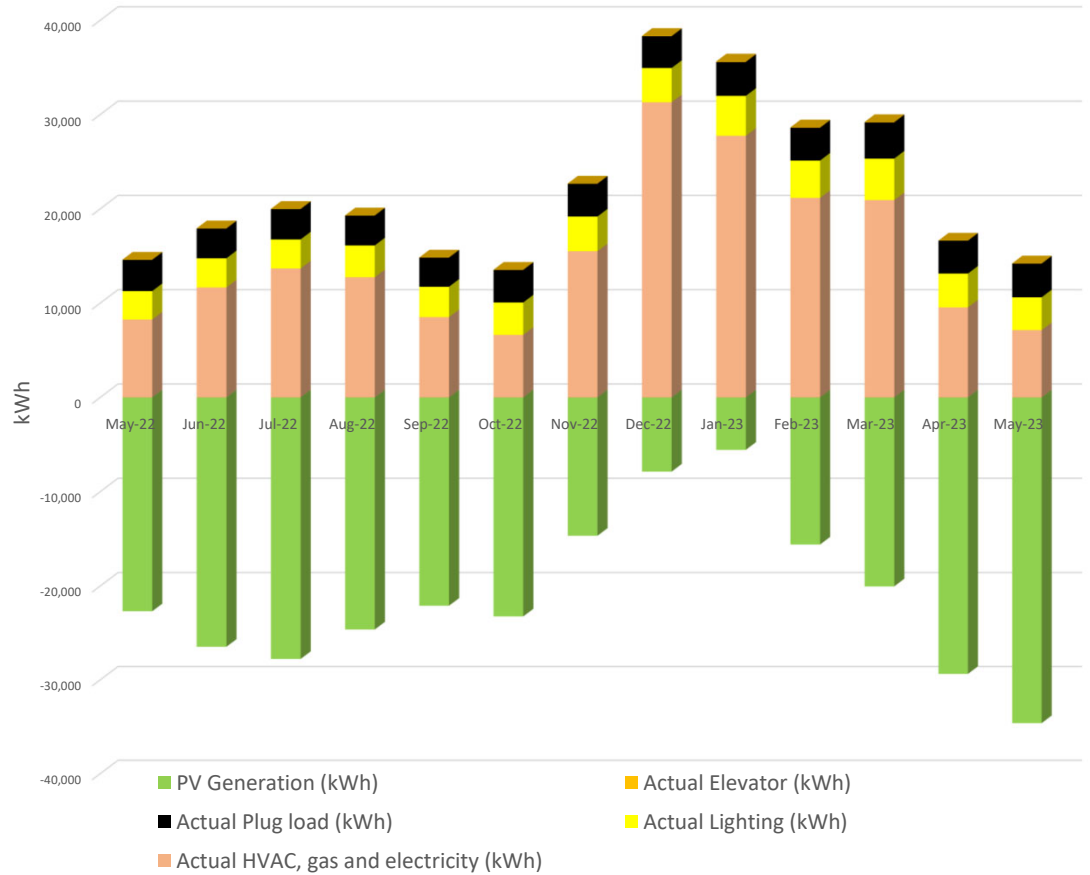
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

Actual Monthly Compiled (kWh)



MONTHLY HVAC

May Overview

May PV

Annual Overview

Monthly HVAC

Monthly Lighting

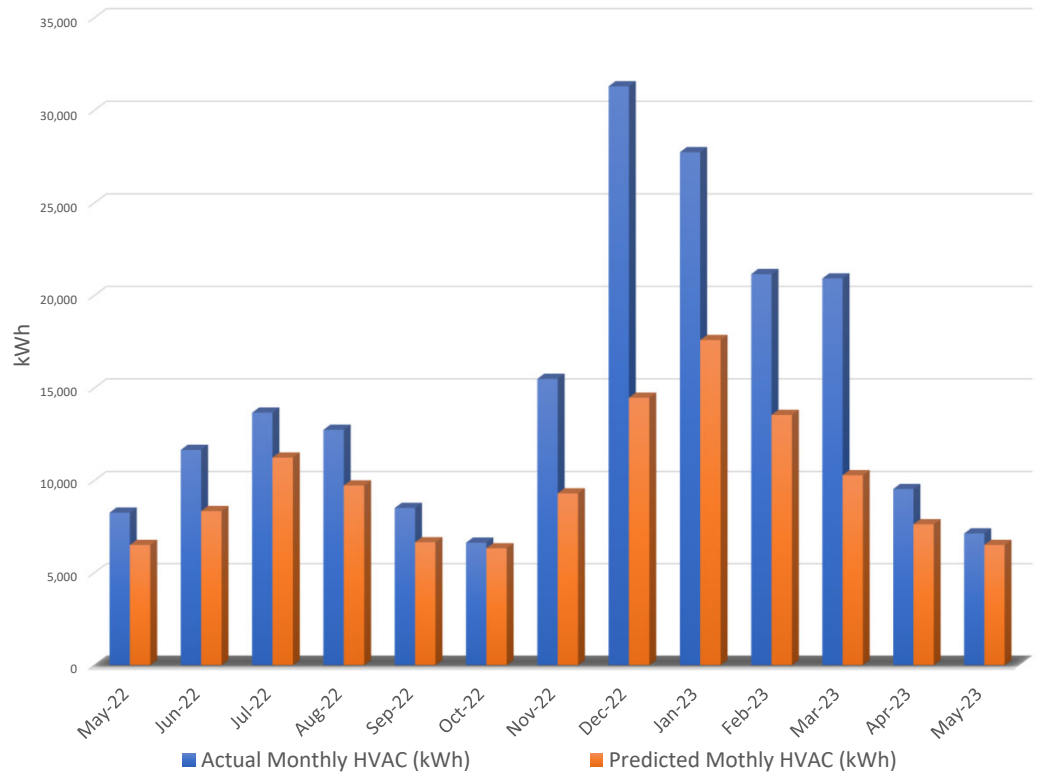
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

Monthly HVAC (kWh)



*HVAC = Heating, Ventilation and air conditioning

MONTHLY LIGHTING

May Overview

May PV

Annual Overview

Monthly HVAC

Monthly Lighting

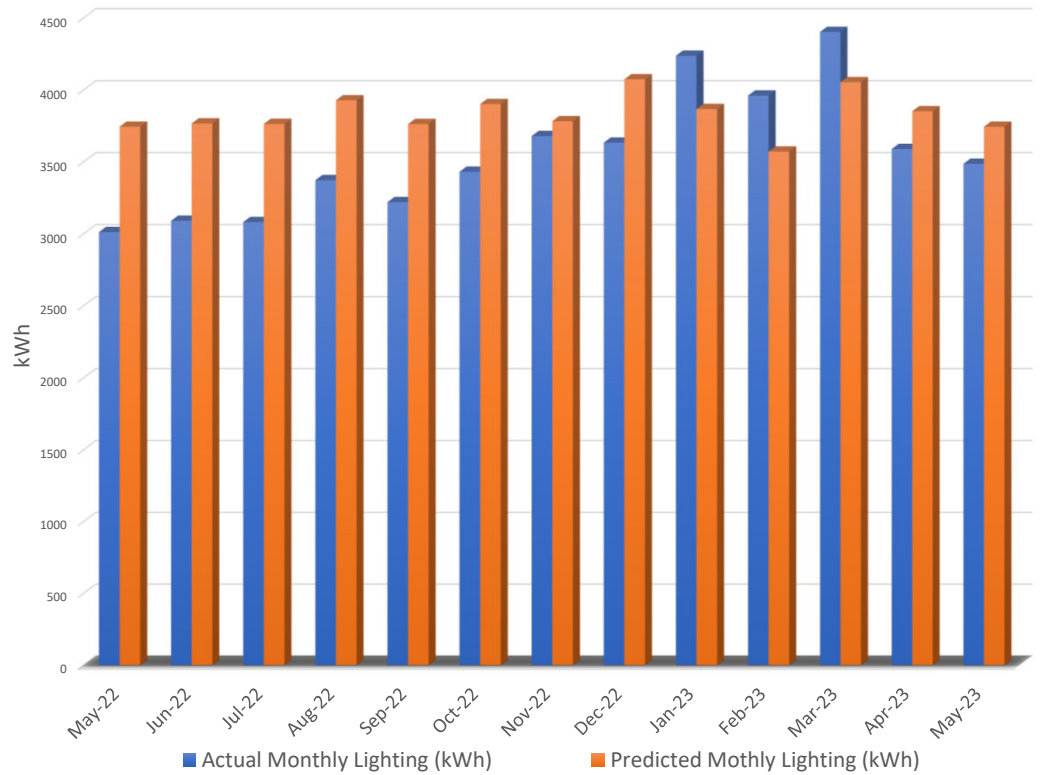
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

Monthly Lighting (kWh)



MONTHLY PLUG LOAD

May Overview

May PV

Annual Overview

Monthly HVAC

Monthly Lighting

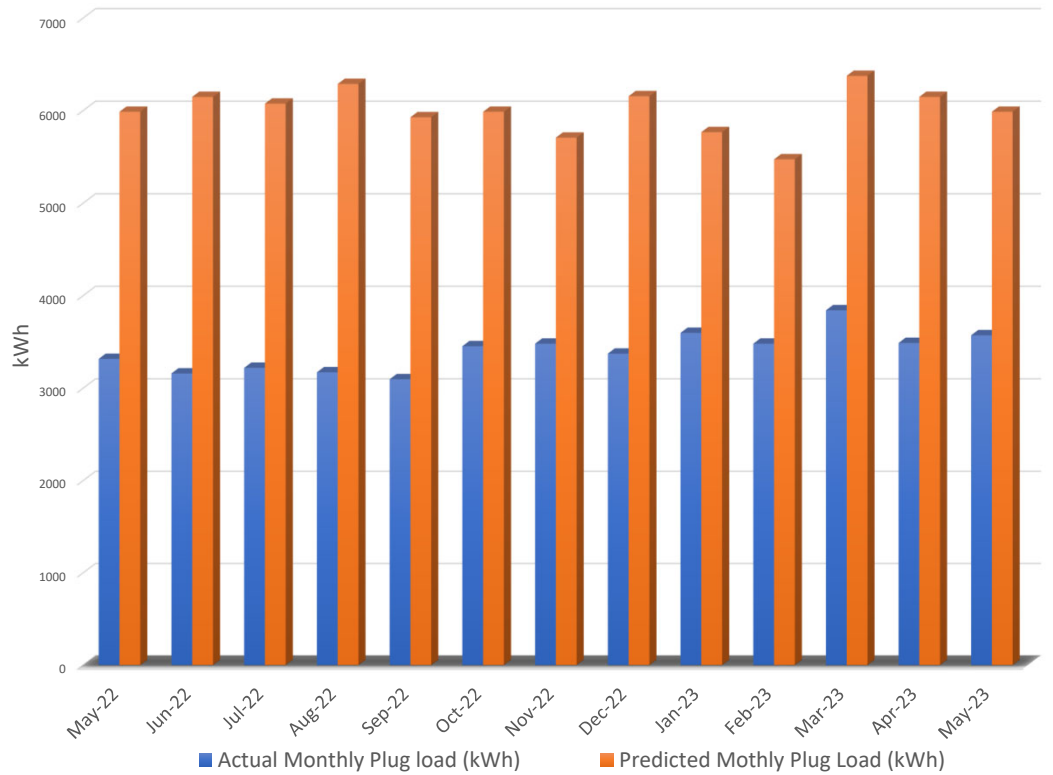
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

Monthly Plug Load Consumption (kWh)



MONTHLY PV

May Overview

May PV

Annual Overview

Monthly HVAC

Monthly Lighting

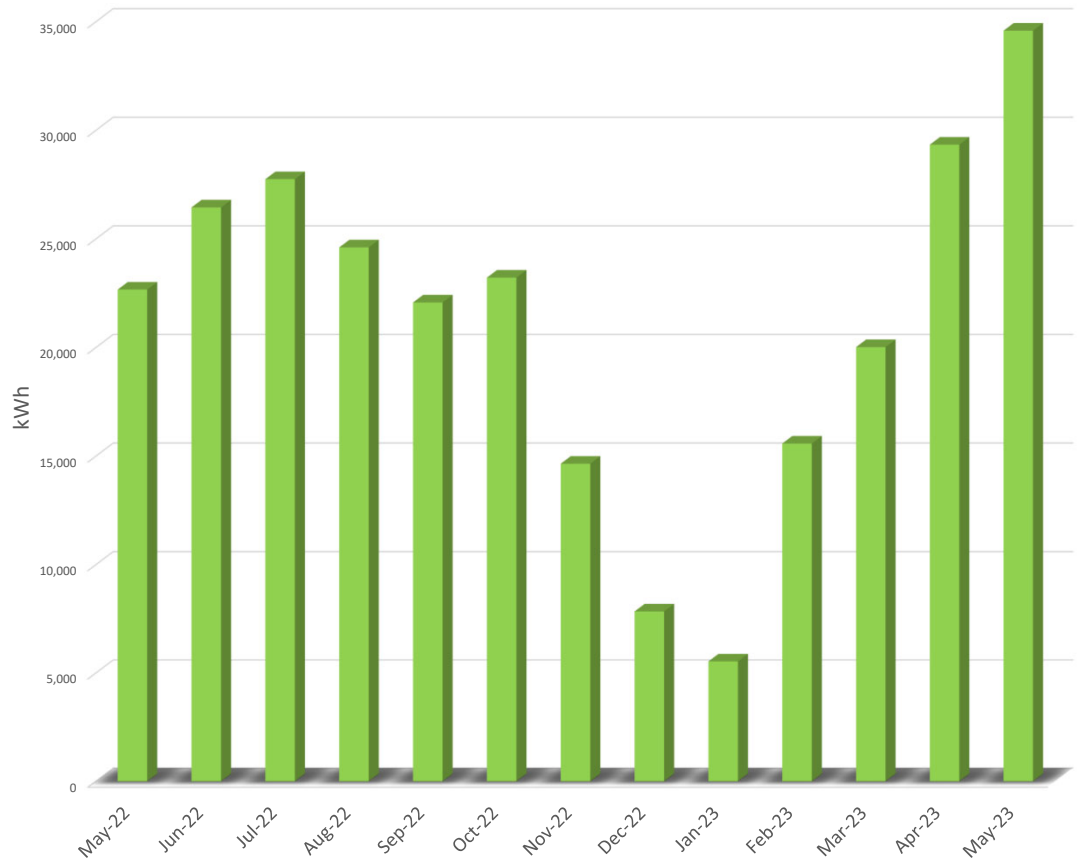
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

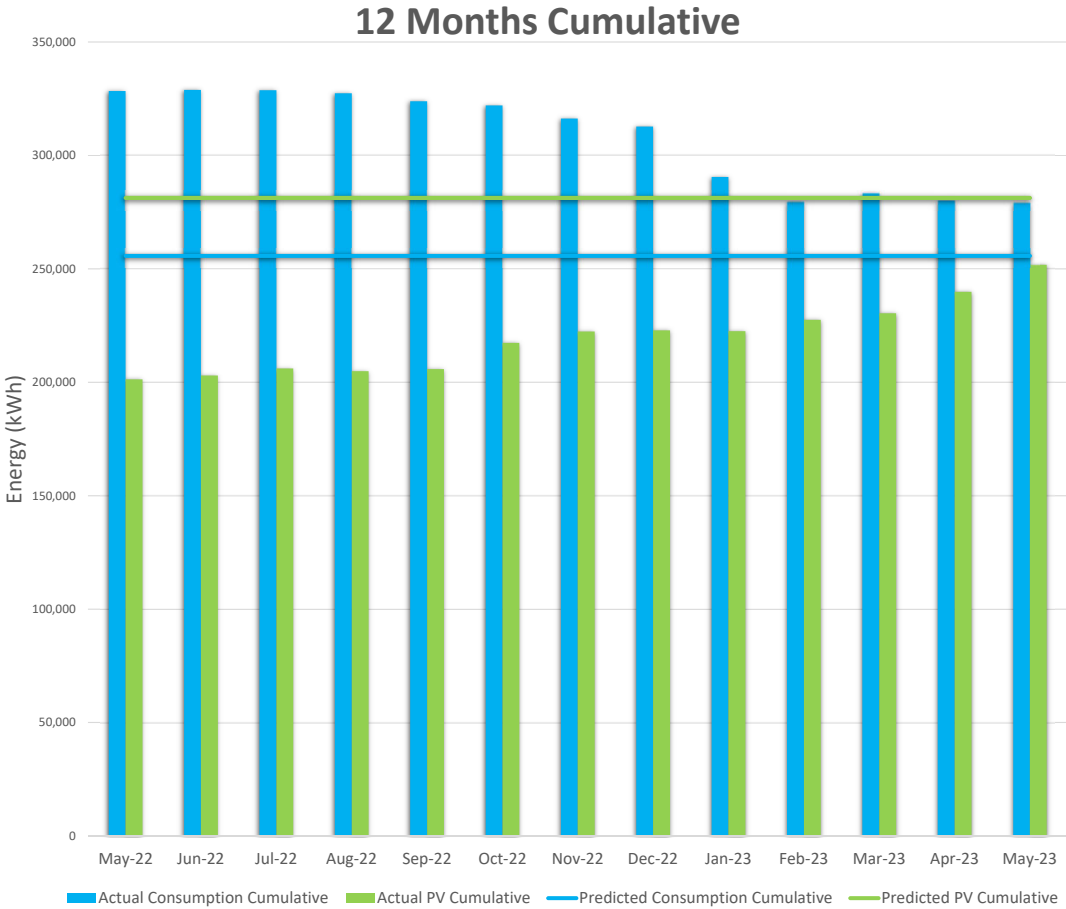
Monthly PV (kWh)



*PV=Photovoltaics, generating electricity using solar power

12 Months Cumulative

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

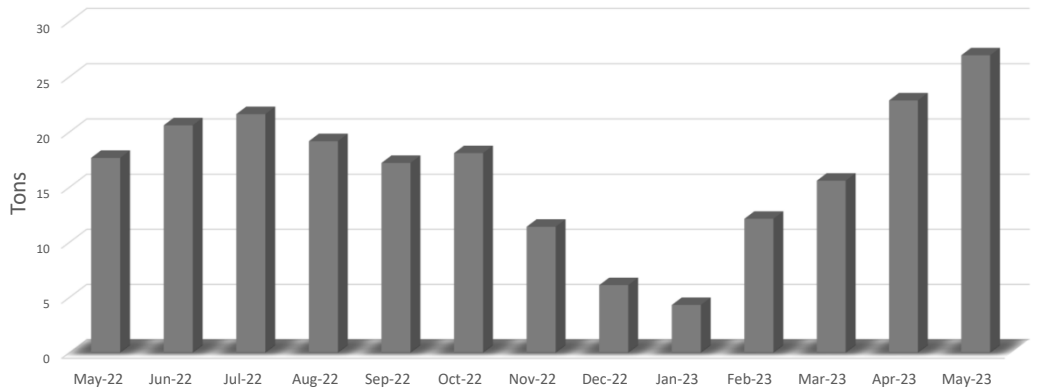


* Data of each month here represents the cumulative of labeled month and previous 11 months. Eg: Jan-21 represents the cumulative data of Feb-20 to Jan-21.

CARBON EMISSIONS

- May Overview
- May 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



650 Tons

May PV : 29,353kWh



27.0 Ton CO₂



62,859 Miles driven by an average passenger vehicle



3.1 homes' energy use for one year



2,982,728 smartphones charged