

Plainfield Park District

PRAIRIE ACTIVITY & RECREATION CENTER (PARC)

October 2023 Summary



October OVERVIEW

October Overview

October PV

Annual Overview

Monthly HVAC

Monthly Lighting

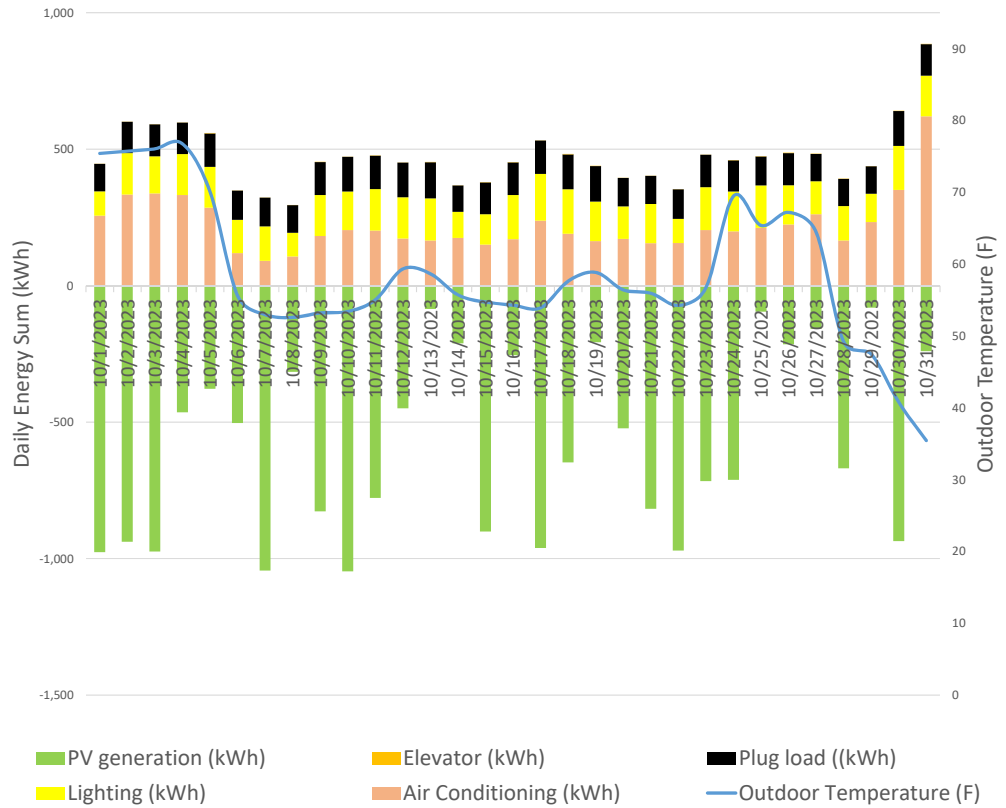
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

October Daily Energy Results



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

October PV

October Overview

October PV

Annual Overview

Monthly HVAC

Monthly Lighting

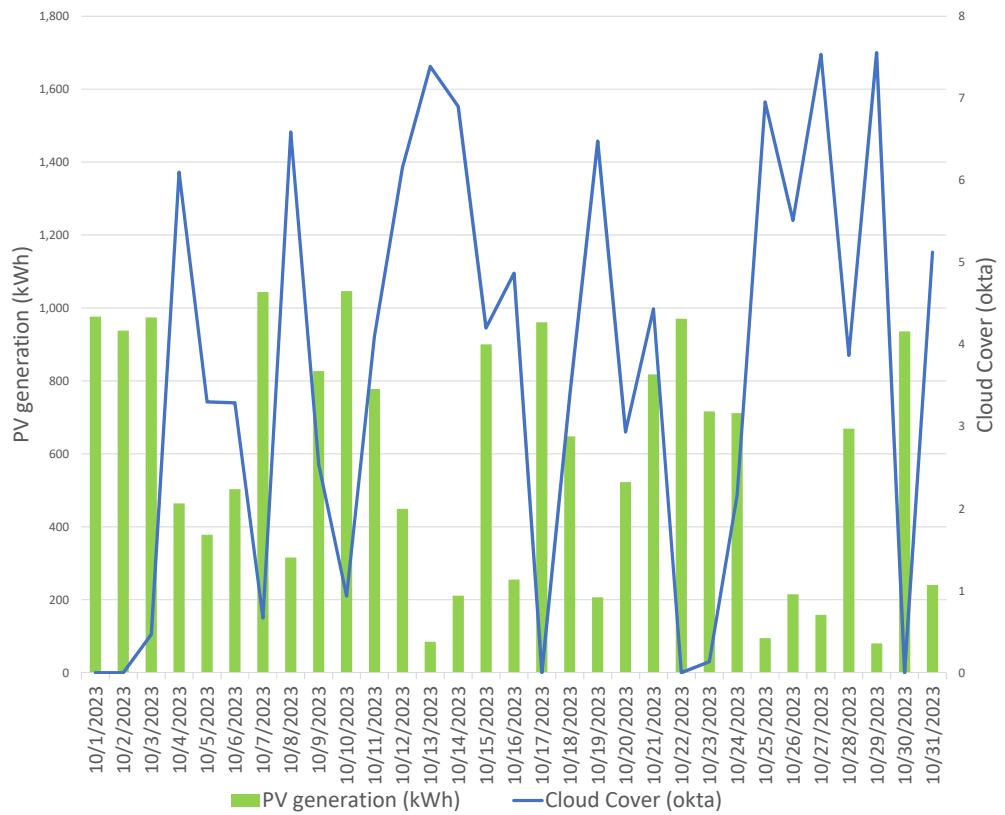
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

October 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

October Overview

October PV

Annual Overview

Monthly HVAC

Monthly Lighting

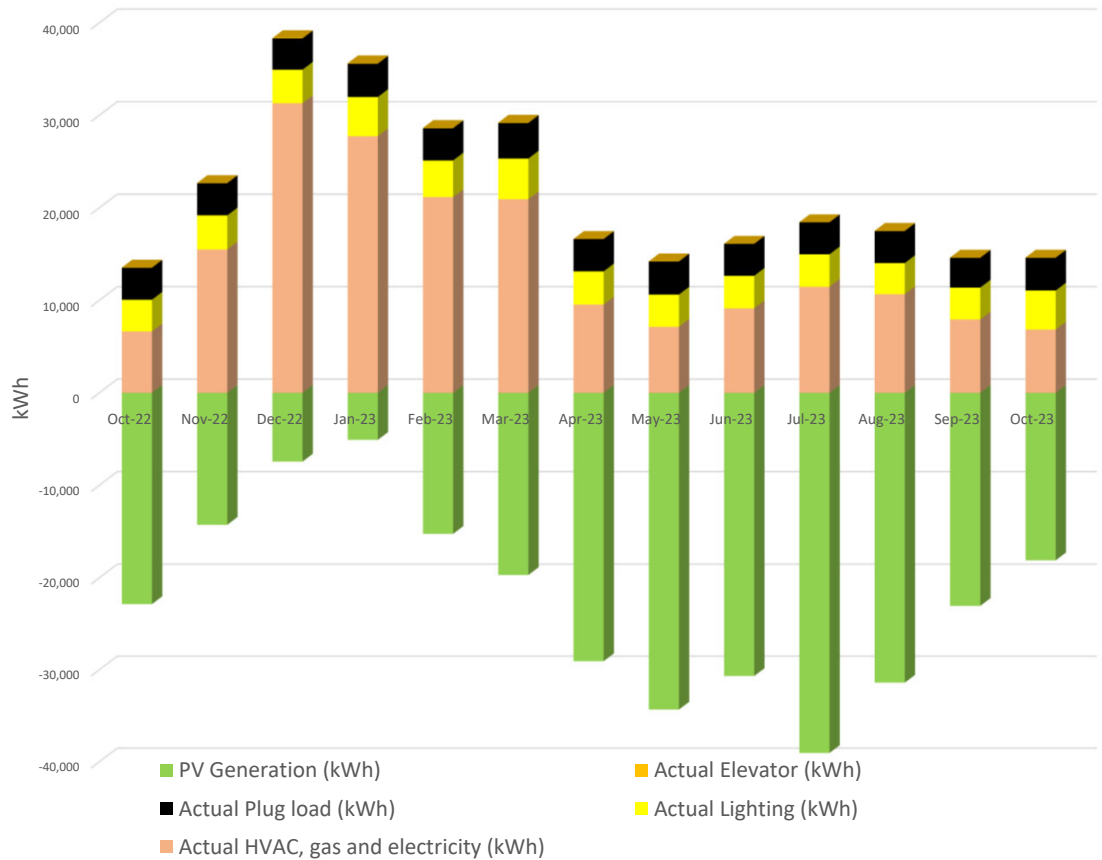
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

Actual Monthly Compiled (kWh)



MONTHLY HVAC

October Overview

October PV

Annual Overview

Monthly HVAC

Monthly Lighting

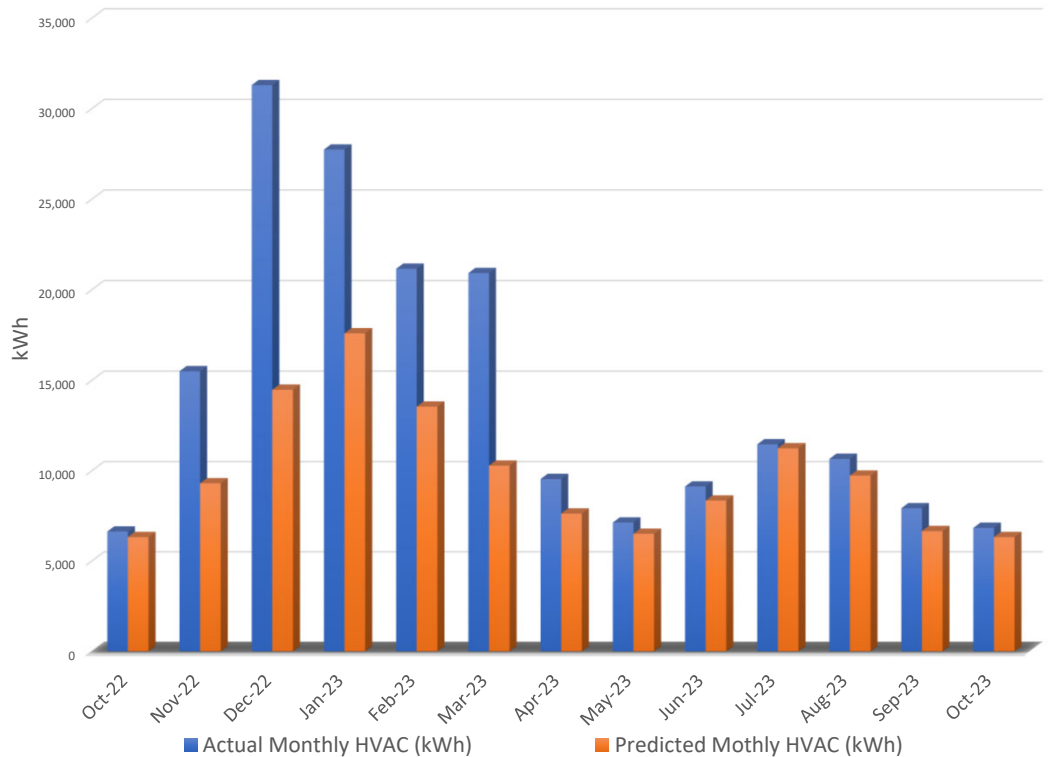
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

Monthly HVAC (kWh)



*HVAC = Heating, Ventilation and air conditioning

MONTHLY LIGHTING

October Overview

October PV

Annual Overview

Monthly HVAC

Monthly Lighting

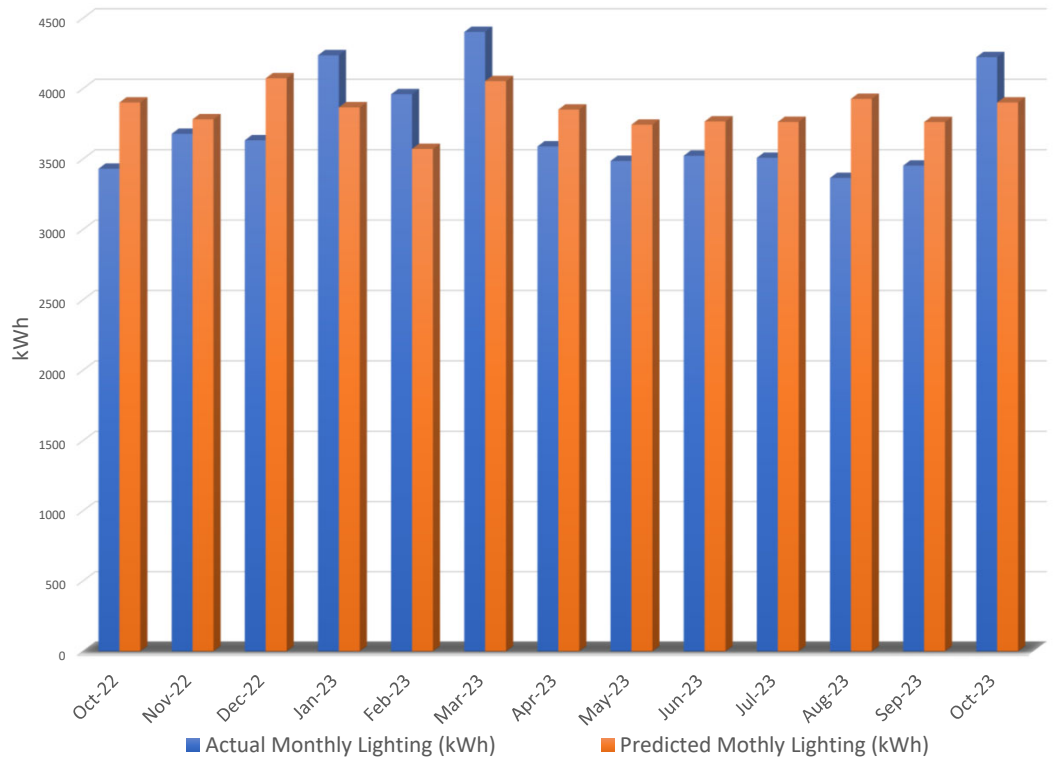
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

Monthly Lighting (kWh)



MONTHLY PLUG LOAD

October Overview

October PV

Annual Overview

Monthly HVAC

Monthly Lighting

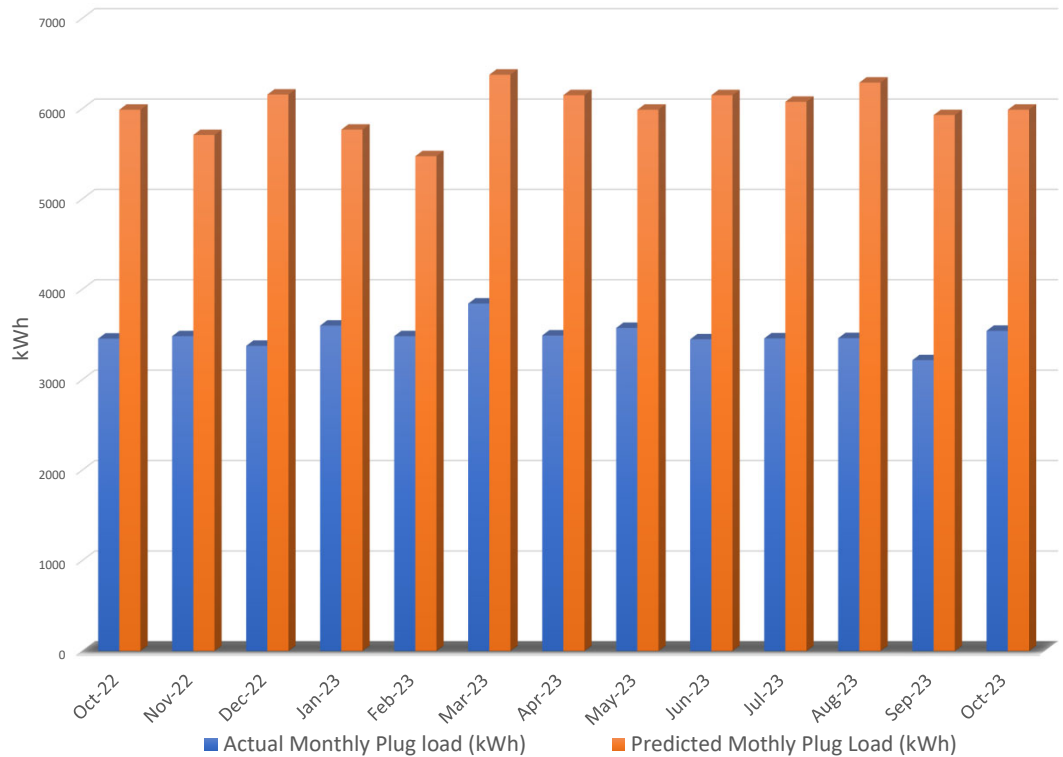
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

Monthly Plug Load Consumption (kWh)



MONTHLY PV

October Overview

October PV

Annual Overview

Monthly HVAC

Monthly Lighting

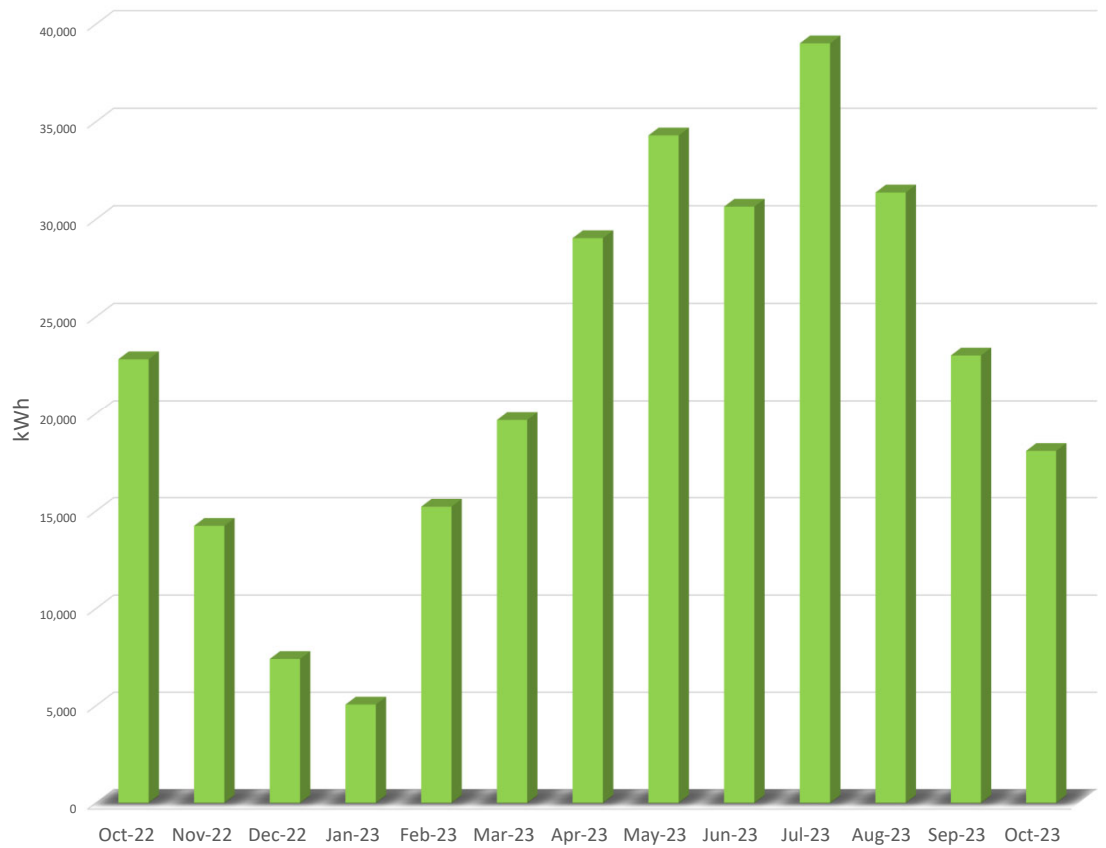
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

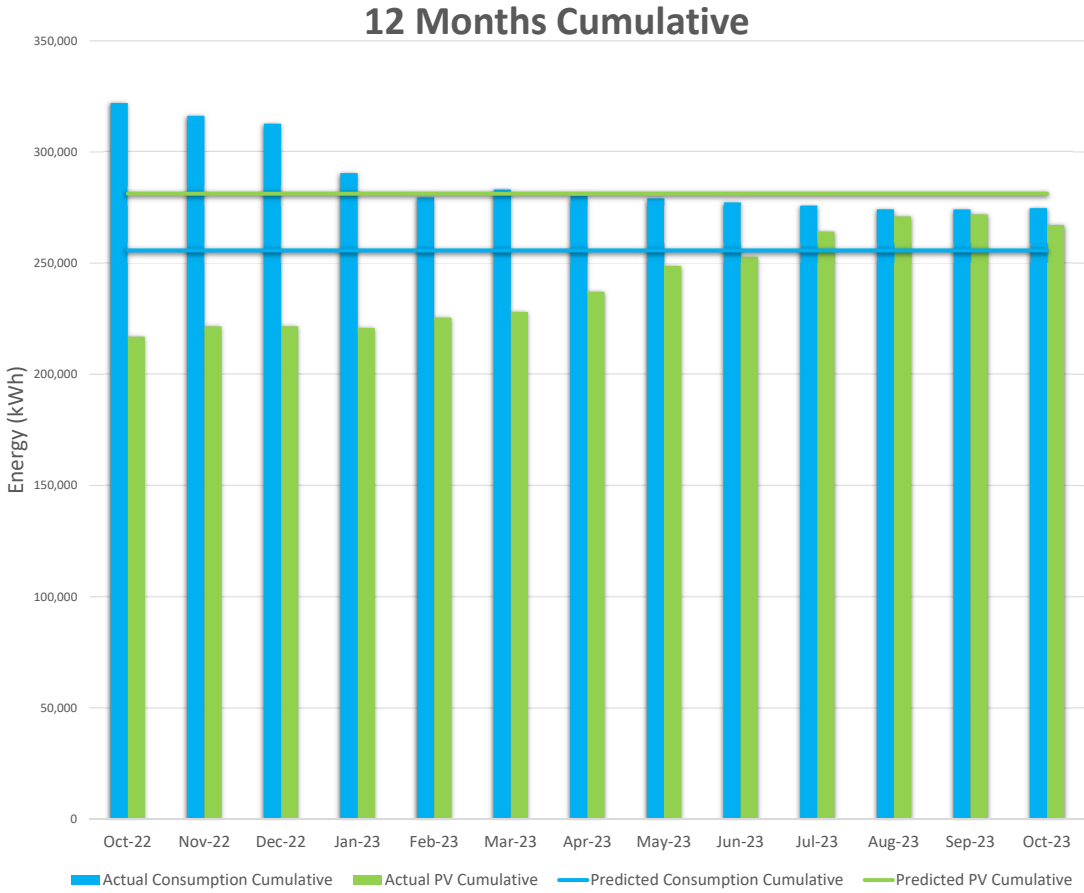
Monthly PV (kWh)



*PV=Photovoltaics, generating electricity using solar power

12 Months Cumulative

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

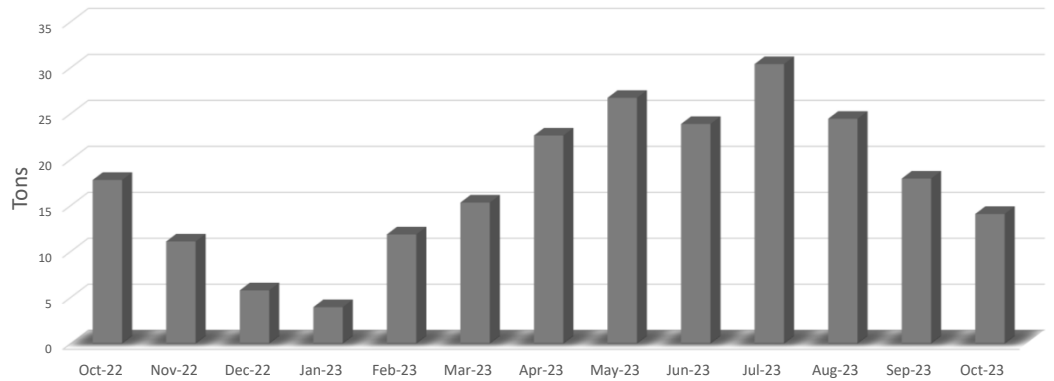


* Data of each month here represents the cumulative of labeled month and previous 11 months. Eg: Jan-21 represents the cumulative data of Feb-20 to Jan-21.

CARBON EMISSIONS

- October Overview
- October 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



759 Tons

October PV : 18,093 kWh



14.1 Ton CO₂



32,870 Miles driven by an average passenger vehicle



1.6 homes' energy use for one year



1,559,725 smartphones charged