

Plainfield Park District

PRAIRIE ACTIVITY & RECREATION CENTER (PARC)

February 2024 Summary



February OVERVIEW

February Overview

February PV

Annual Overview

Monthly HVAC

Monthly Lighting

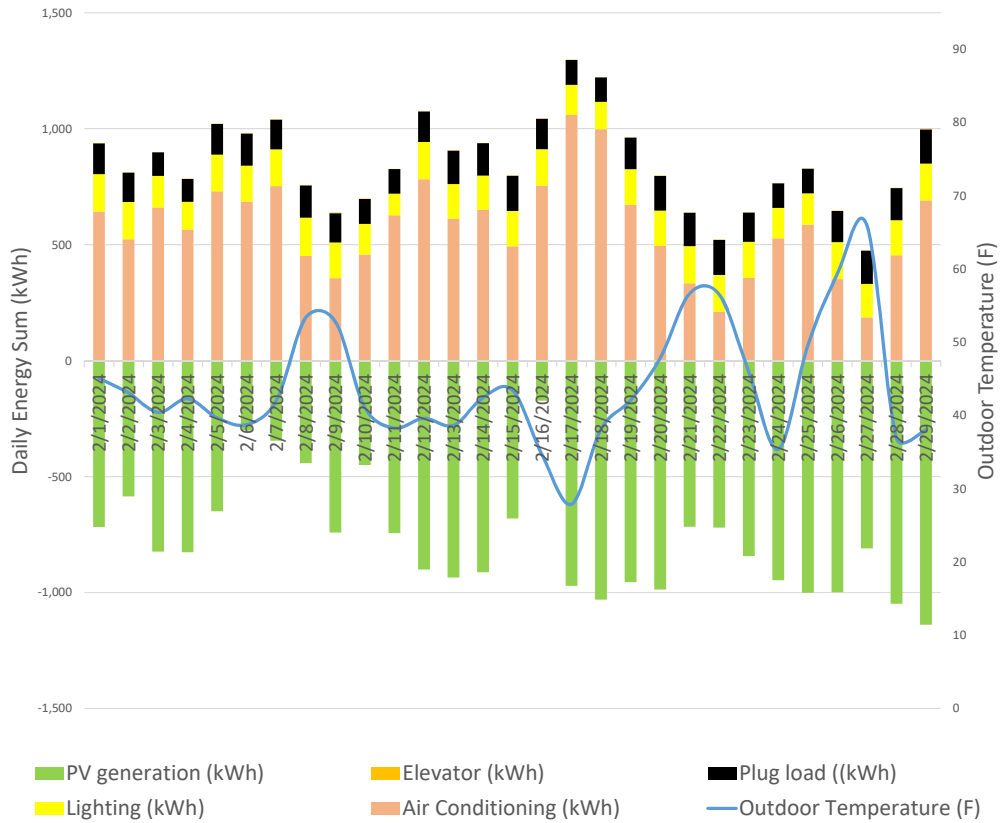
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

February Daily Energy Results



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

February PV

February Overview

February PV

Annual Overview

Monthly HVAC

Monthly Lighting

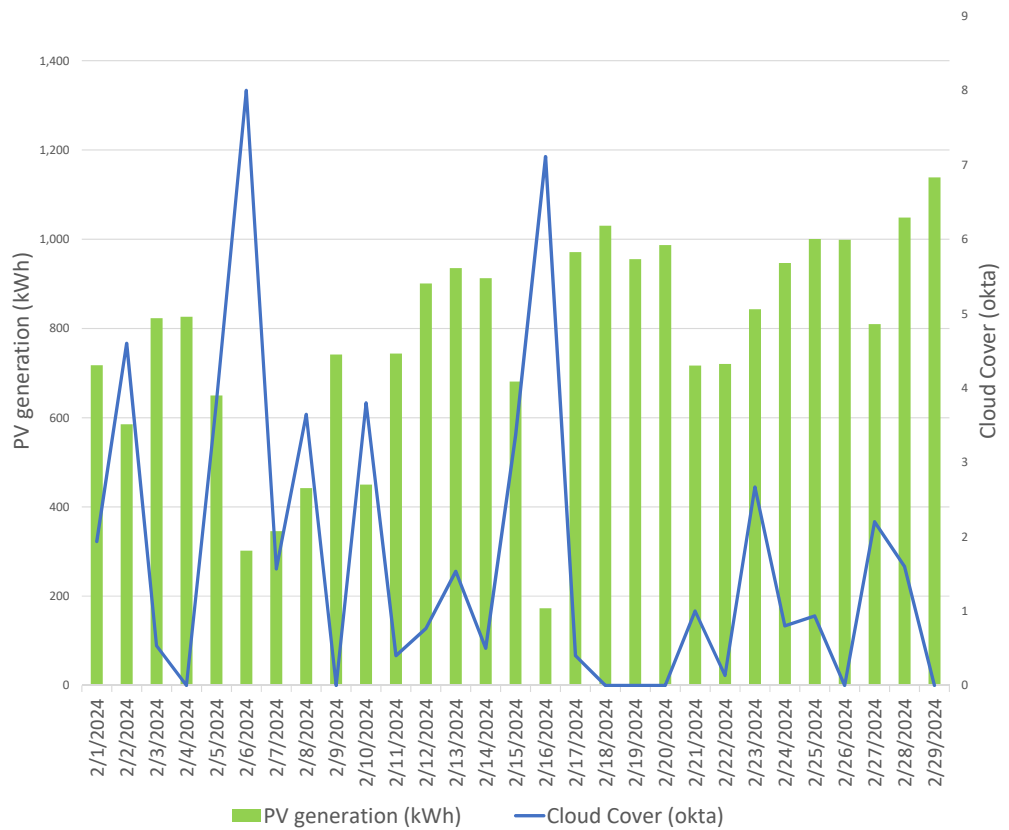
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

February 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

February Overview

February PV

Annual Overview

Monthly HVAC

Monthly Lighting

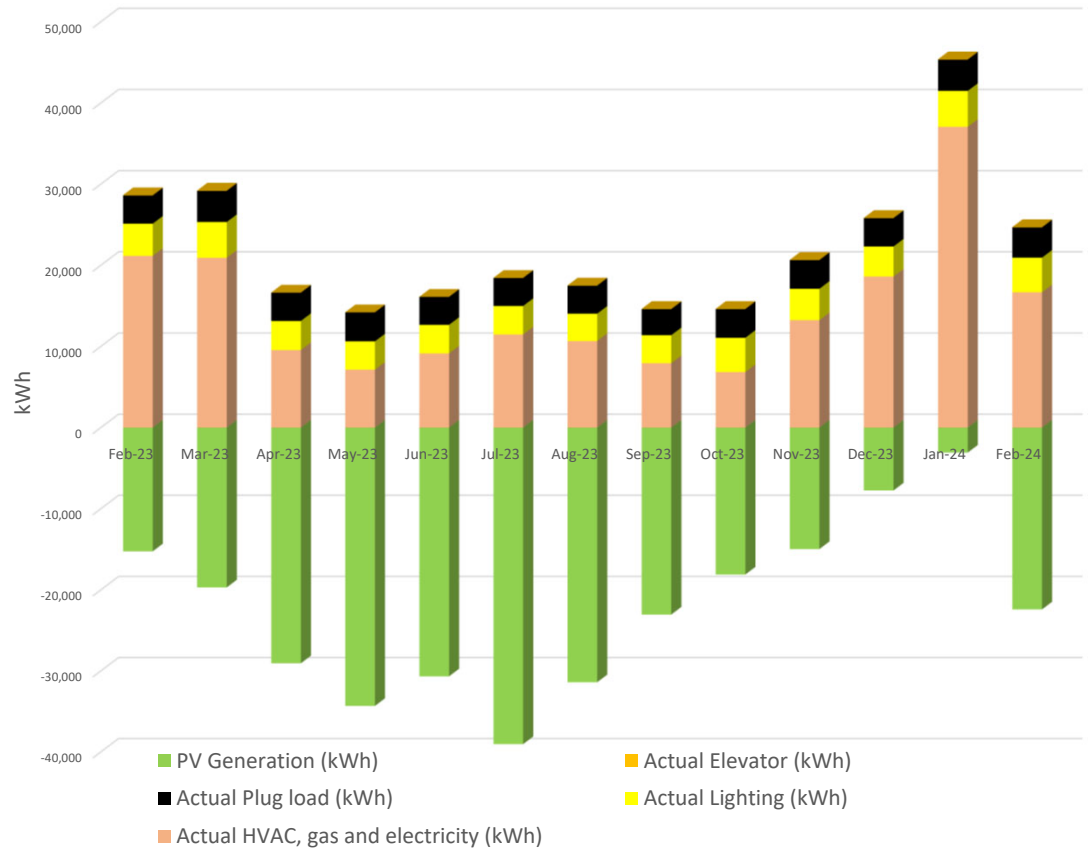
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

Actual Monthly Compiled (kWh)



MONTHLY HVAC

February Overview

February PV

Annual Overview

Monthly HVAC

Monthly Lighting

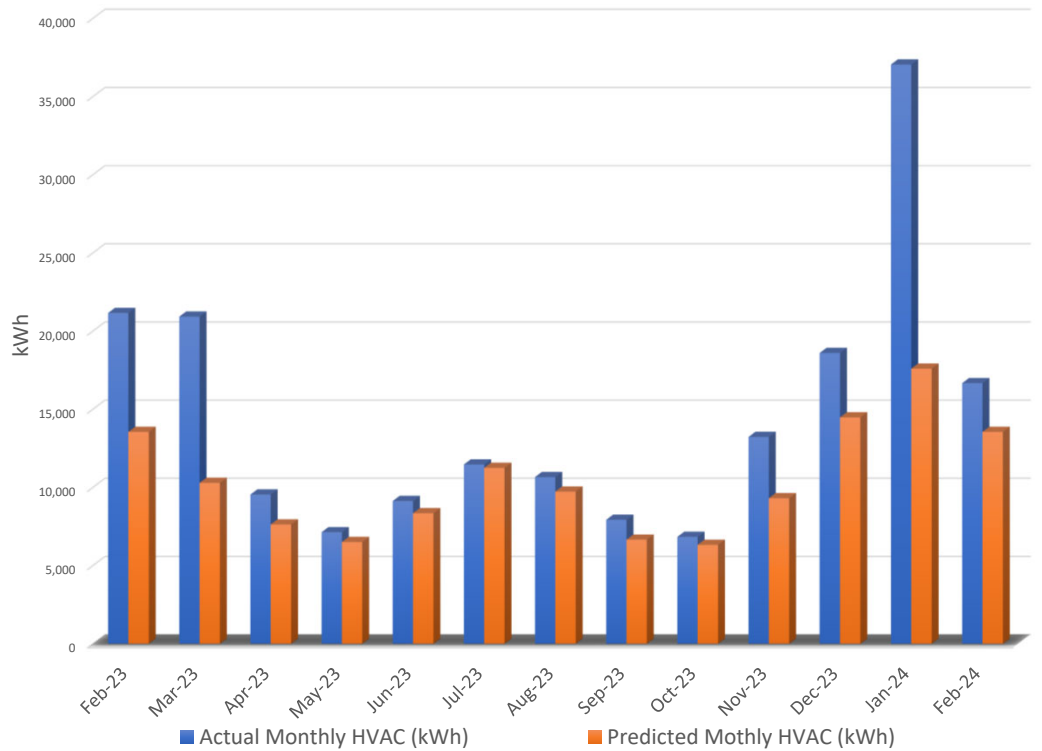
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

Monthly HVAC (kWh)



*HVAC = Heating, Ventilation and air conditioning

MONTHLY LIGHTING

February Overview

February PV

Annual Overview

Monthly HVAC

Monthly Lighting

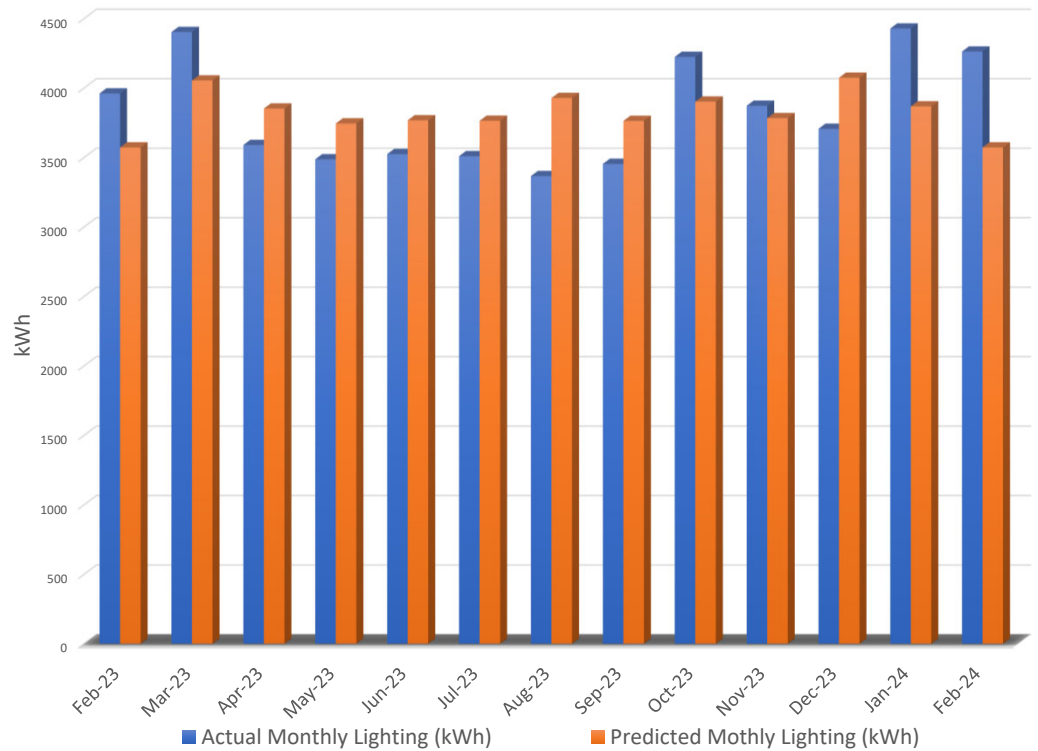
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

Monthly Lighting (kWh)



MONTHLY PLUG LOAD

February Overview

February PV

Annual Overview

Monthly HVAC

Monthly Lighting

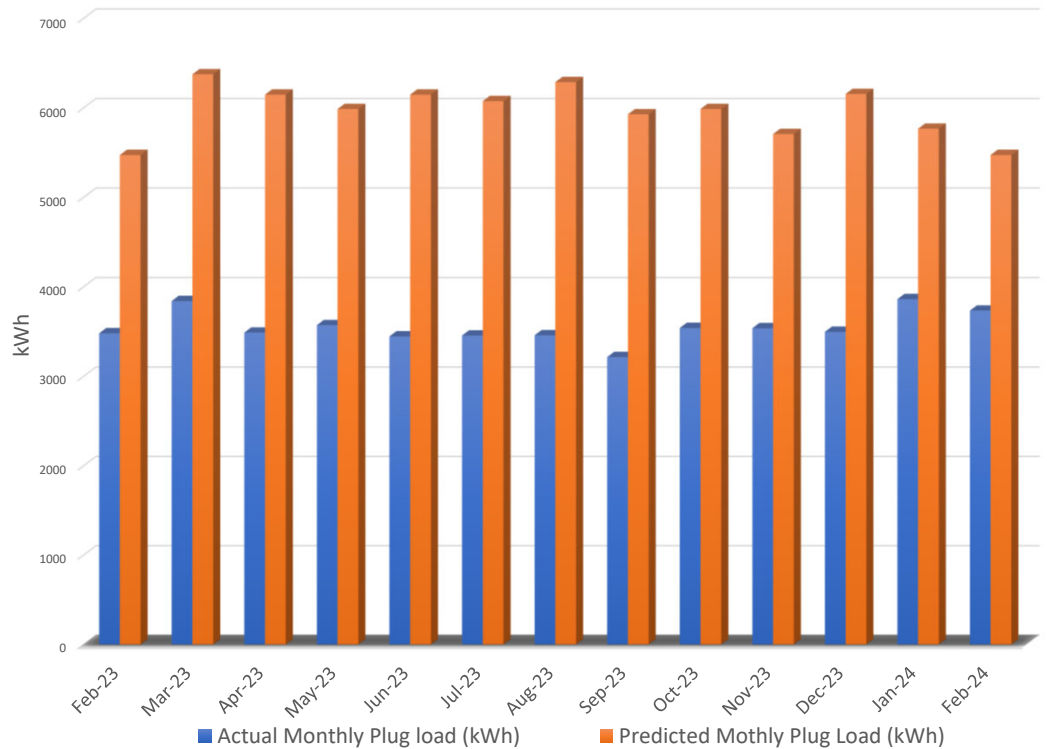
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

Monthly Plug Load Consumption (kWh)



MONTHLY PV

February Overview

February PV

Annual Overview

Monthly HVAC

Monthly Lighting

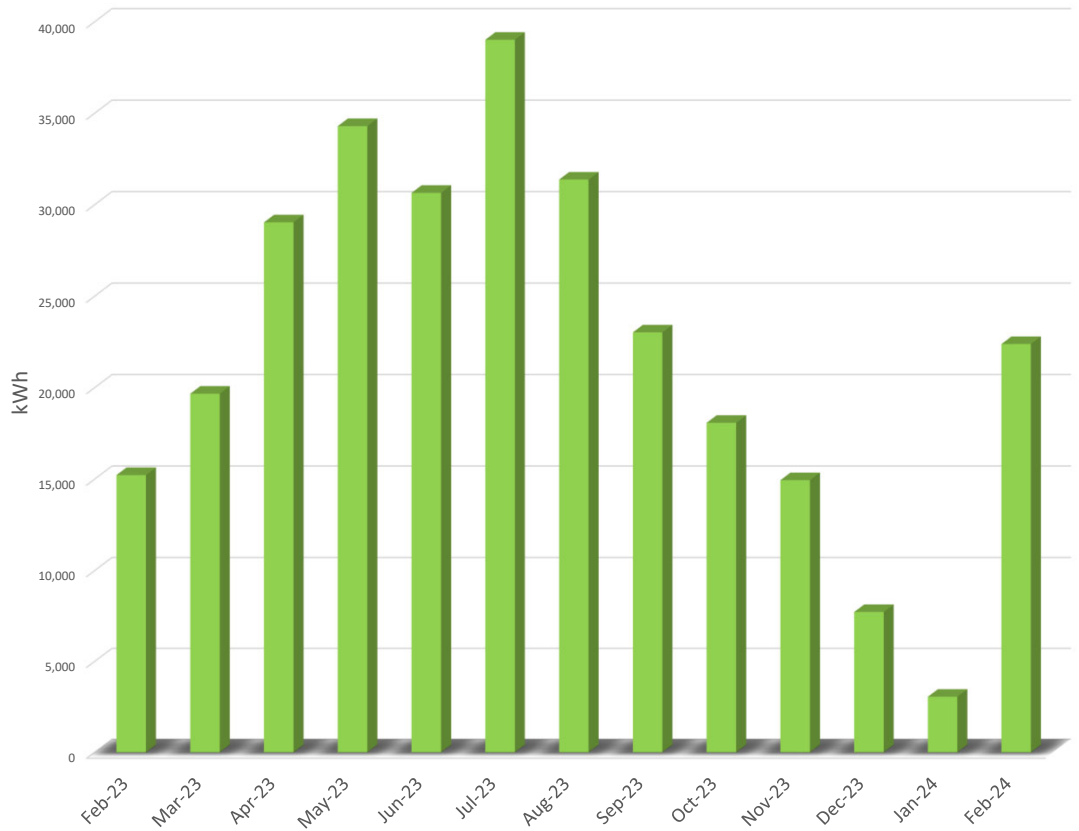
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

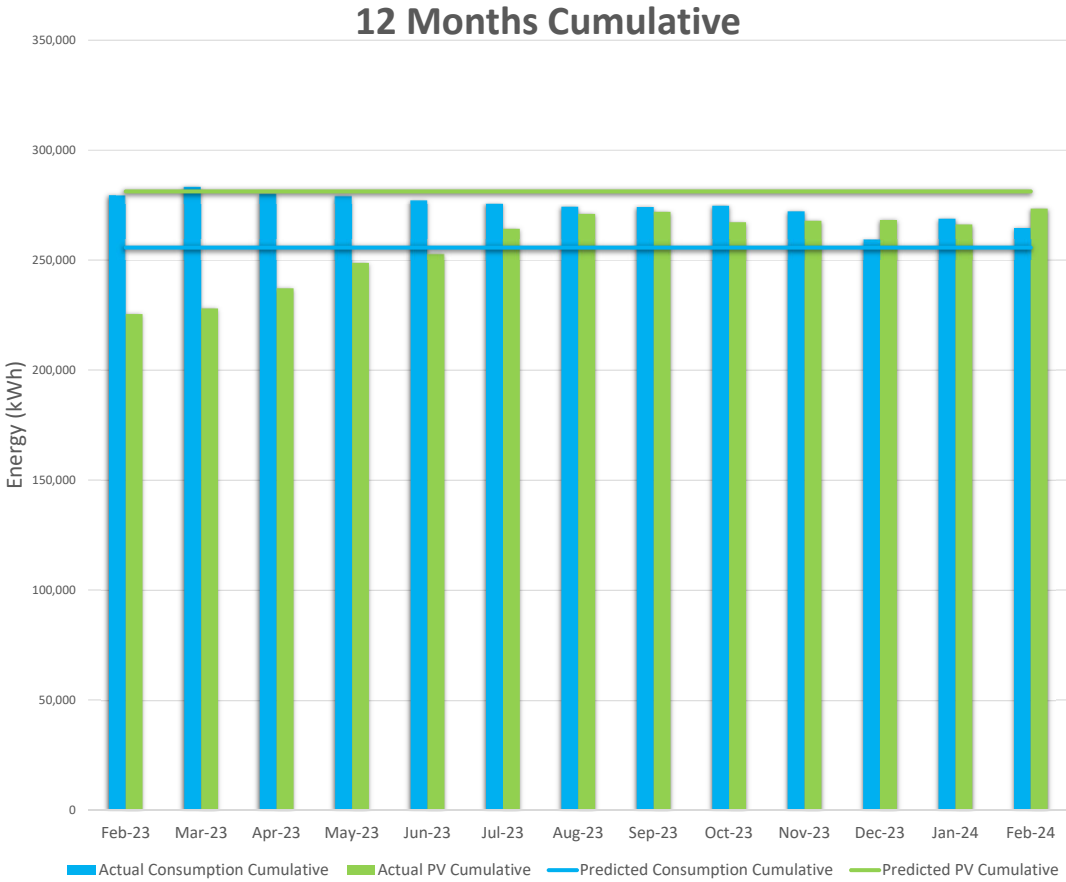
Monthly PV (kWh)



*PV=Photovoltaics, generating electricity using solar power

12 Months Cumulative

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

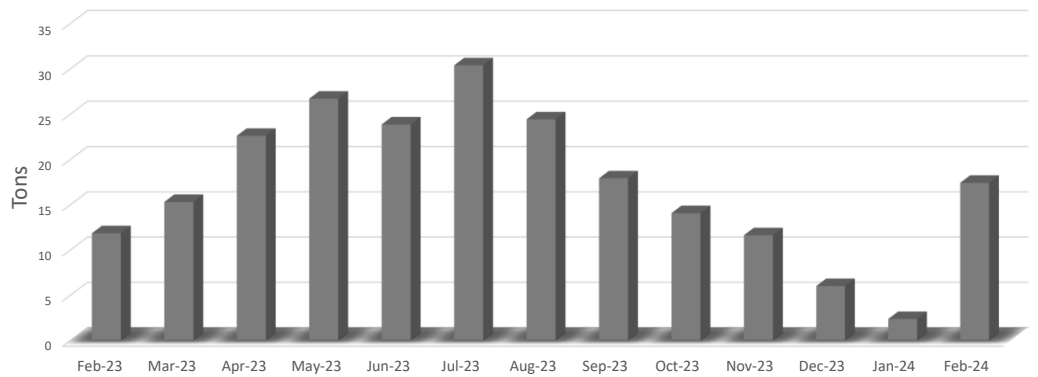


* Data of each month here represents the cumulative of labeled month and previous 11 months. Eg: Jan-21 represents the cumulative data of Feb-20 to Jan-21.

CARBON EMISSIONS

- February Overview
- February 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



796Tons

February PV : 22,397 kWh



17.45 Ton CO₂



40,017 Miles driven by an average passenger vehicle



3.1 homes' energy use for one year



1,032,918 smartphones charged