

Plainfield Park District

PRAIRIE ACTIVITY & RECREATION CENTER (PARC)

March 2023 Summary



March OVERVIEW

March Overview

March PV

Annual Overview

Monthly HVAC

Monthly Lighting

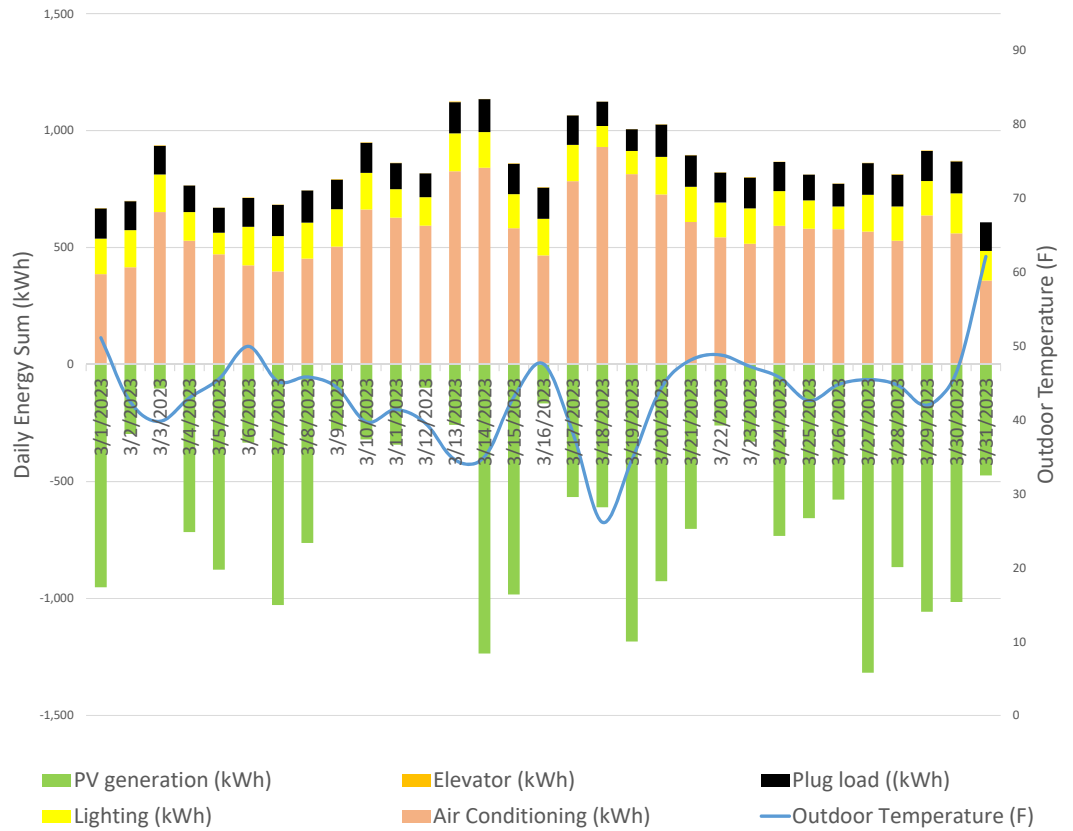
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

March Daily Energy Results



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

March PV

March Overview

March PV

Annual Overview

Monthly HVAC

Monthly Lighting

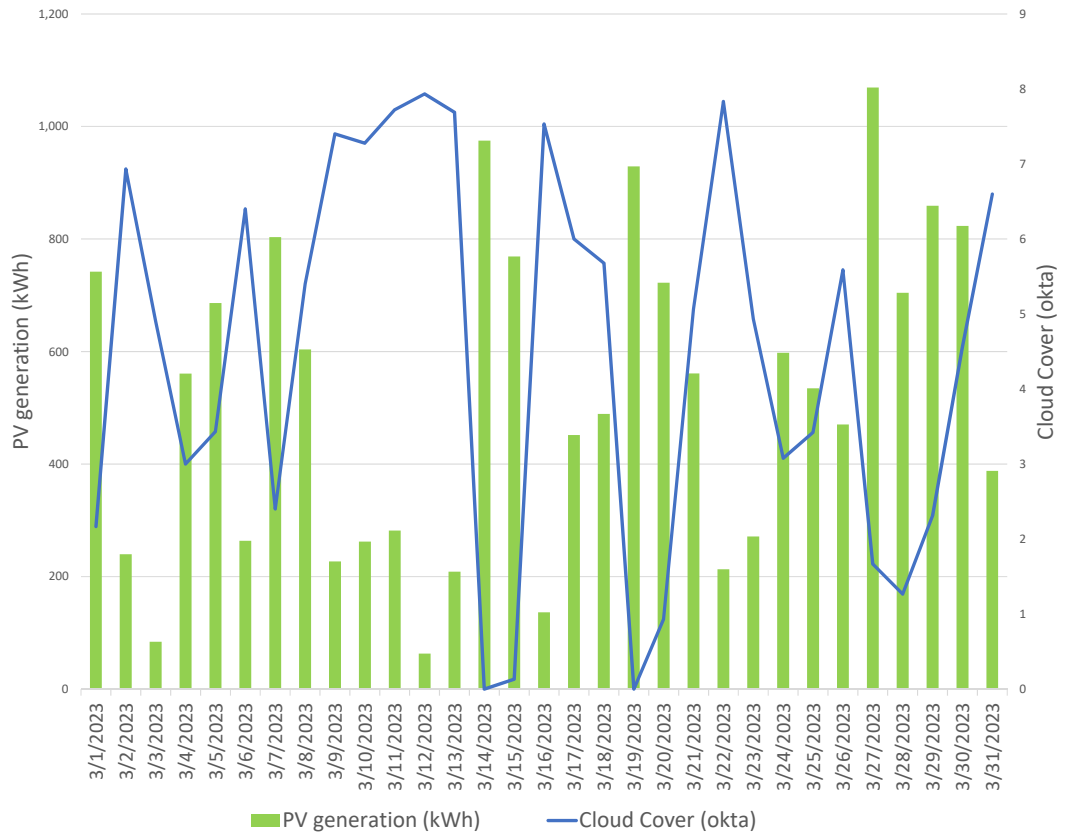
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

March 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

March Overview

March PV

Annual Overview

Monthly HVAC

Monthly Lighting

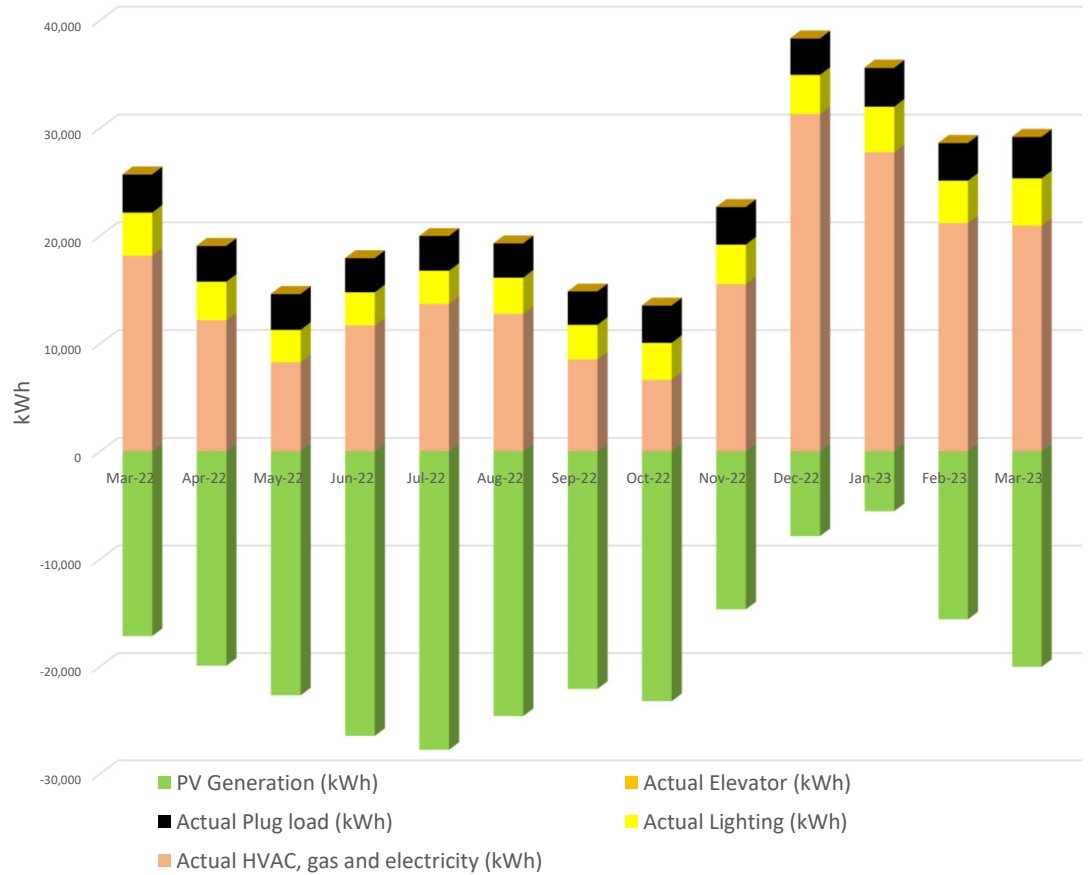
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

Actual Monthly Compiled (kWh)



MONTHLY HVAC

March Overview

March PV

Annual Overview

Monthly HVAC

Monthly Lighting

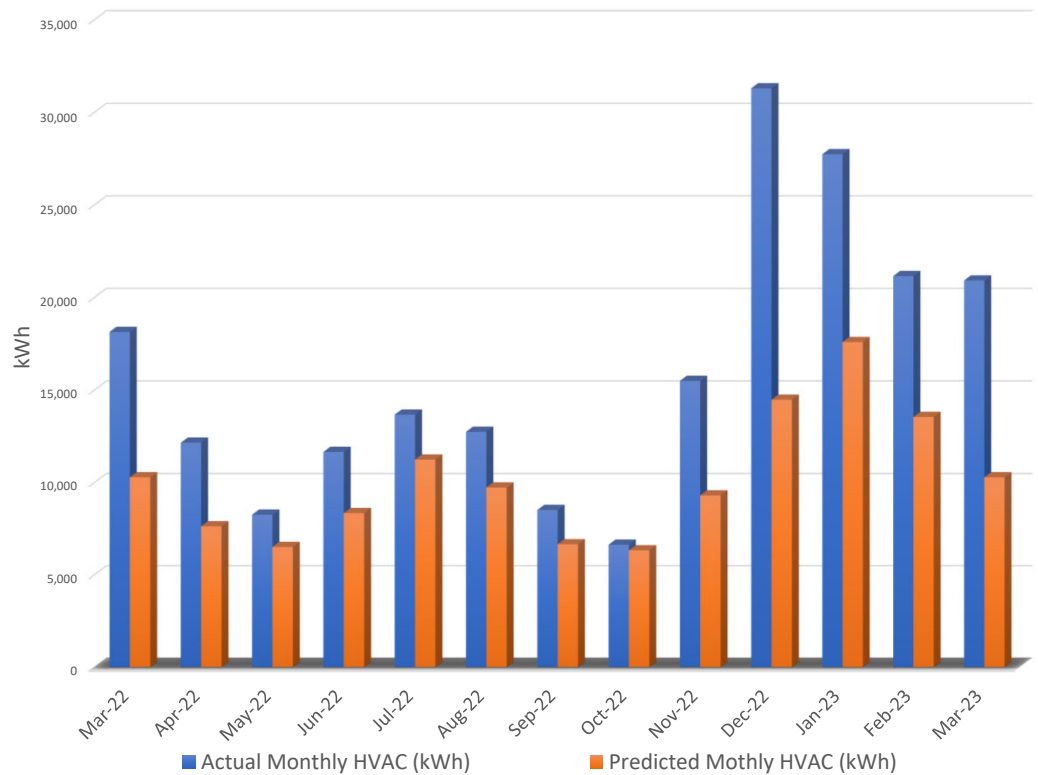
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

Monthly HVAC (kWh)



*HVAC = Heating, Ventilation and air conditioning

MONTHLY LIGHTING

March Overview

March PV

Annual Overview

Monthly HVAC

Monthly Lighting

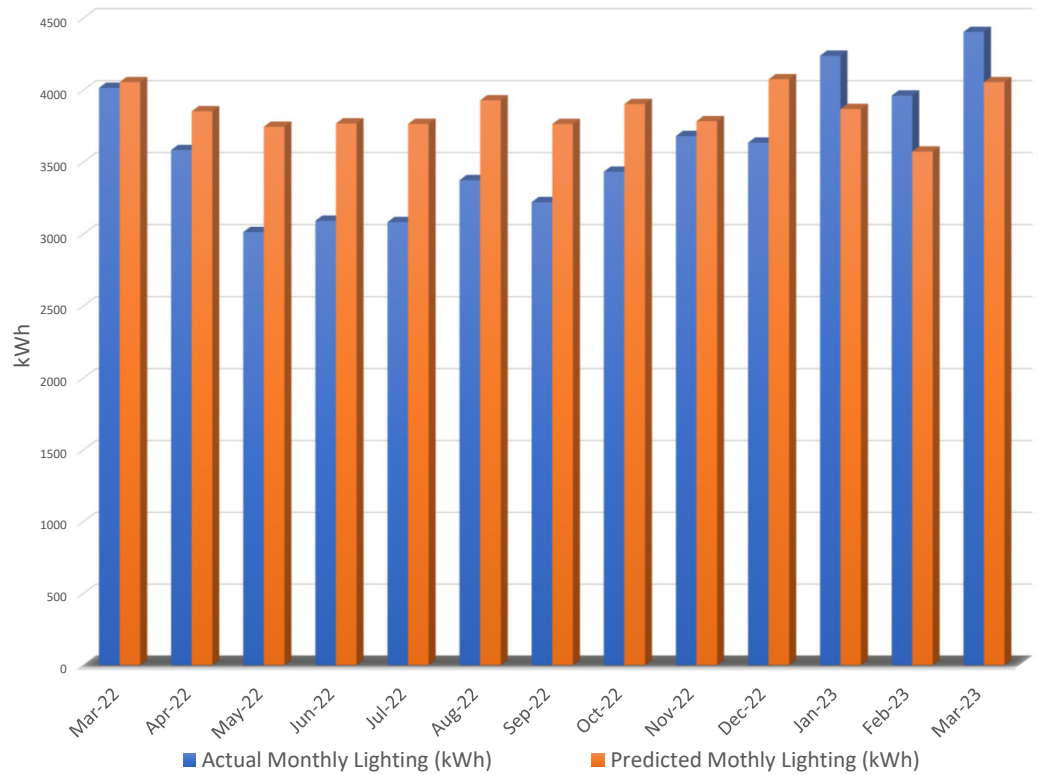
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

Monthly Lighting (kWh)



MONTHLY PLUG LOAD

March Overview

March PV

Annual Overview

Monthly HVAC

Monthly Lighting

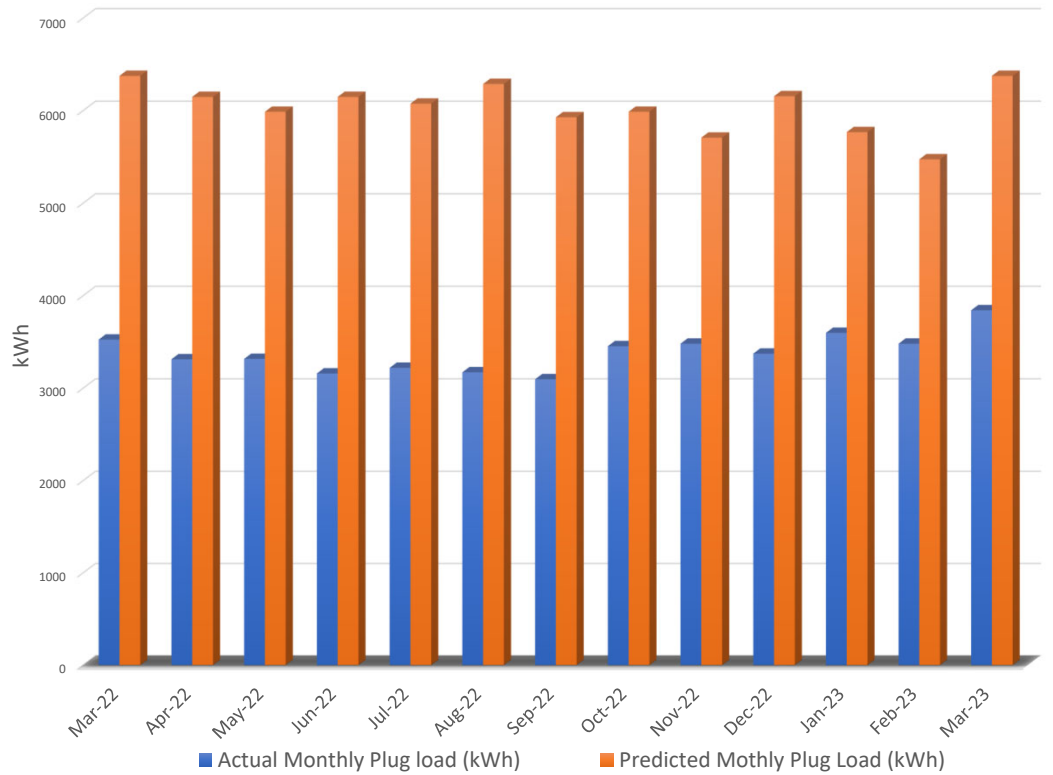
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

Monthly Plug Load Consumption (kWh)



MONTHLY PV

March Overview

March PV

Annual Overview

Monthly HVAC

Monthly Lighting

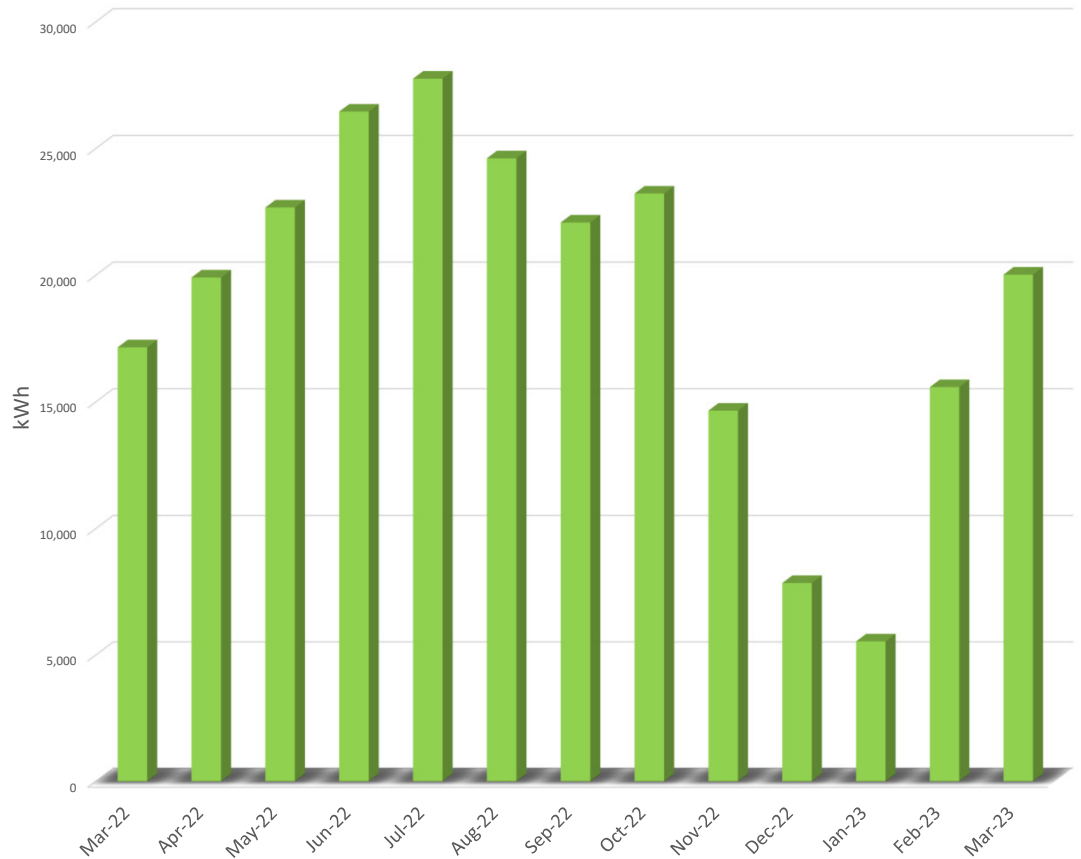
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

Monthly PV (kWh)



*PV=Photovoltaics, generating electricity using solar power

12 Months Cumulative

March Overview

March PV

Annual Overview

Monthly HVAC

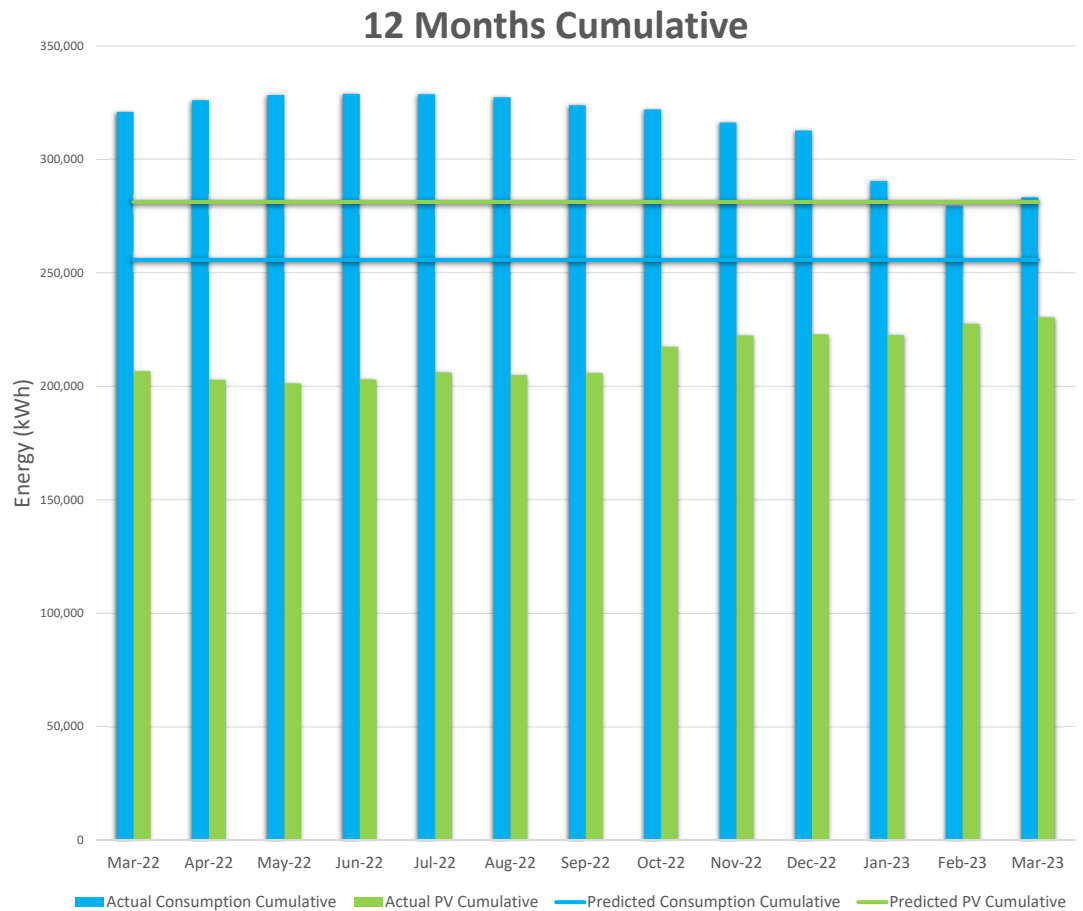
Monthly Lighting

Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

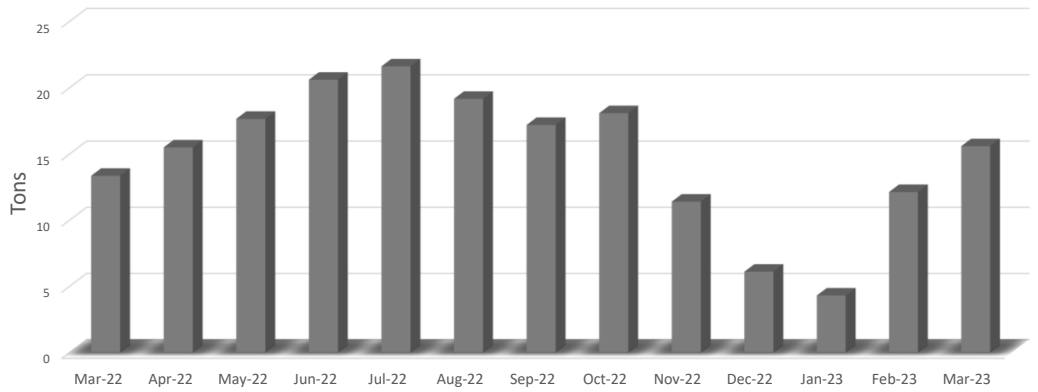


* Data of each month here represents the cumulative of labeled month and previous 11 months. Eg: Jan-21 represents the cumulative data of Feb-20 to Jan-21.

CARBON EMISSIONS

- March Overview
- March 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



600 Tons

March PV : 20,032kWh



15.6 Ton CO₂



35,238 Miles driven by an average passenger vehicle



1.8 homes' energy use for one year



1,726,879 smartphones charged