

Plainfield Park District

# PRAIRIE ACTIVITY & RECREATION CENTER (PARC)

November 2023 Summary



# November OVERVIEW

**November Overview**

**November PV**

**Annual Overview**

**Monthly HVAC**

**Monthly Lighting**

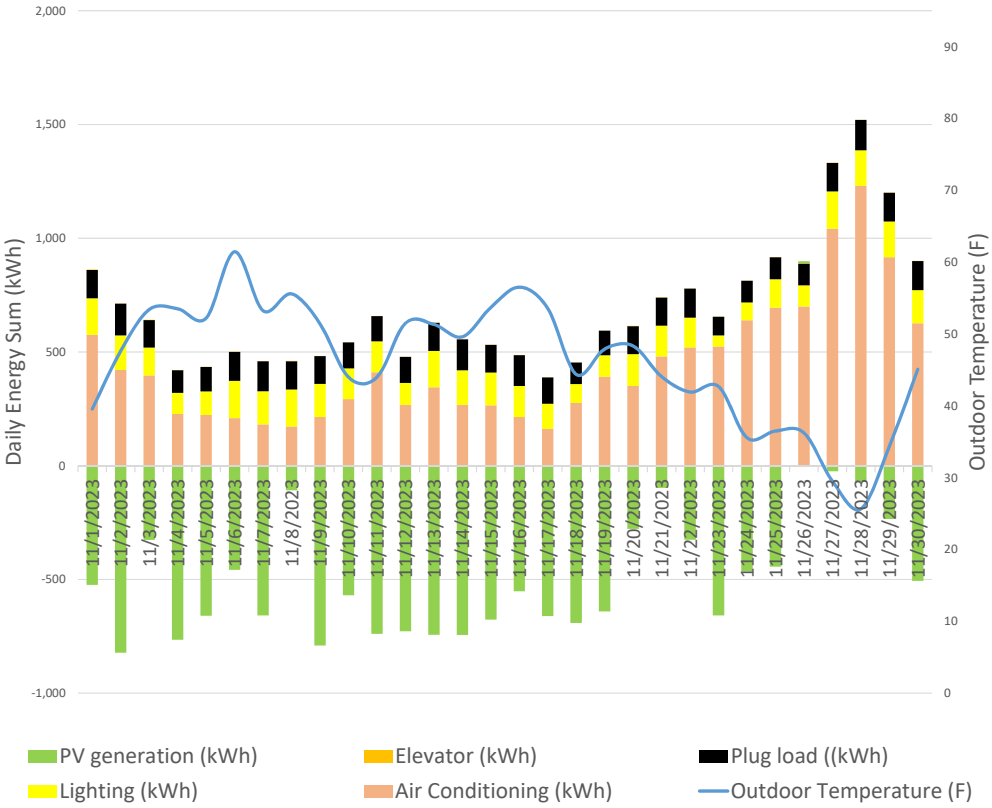
**Monthly Plug Load**

**Monthly PV**

**Cumulative**

**Carbon Emissions**

November Daily Energy Results



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



# November PV

November Overview

**November PV**

Annual Overview

Monthly HVAC

Monthly Lighting

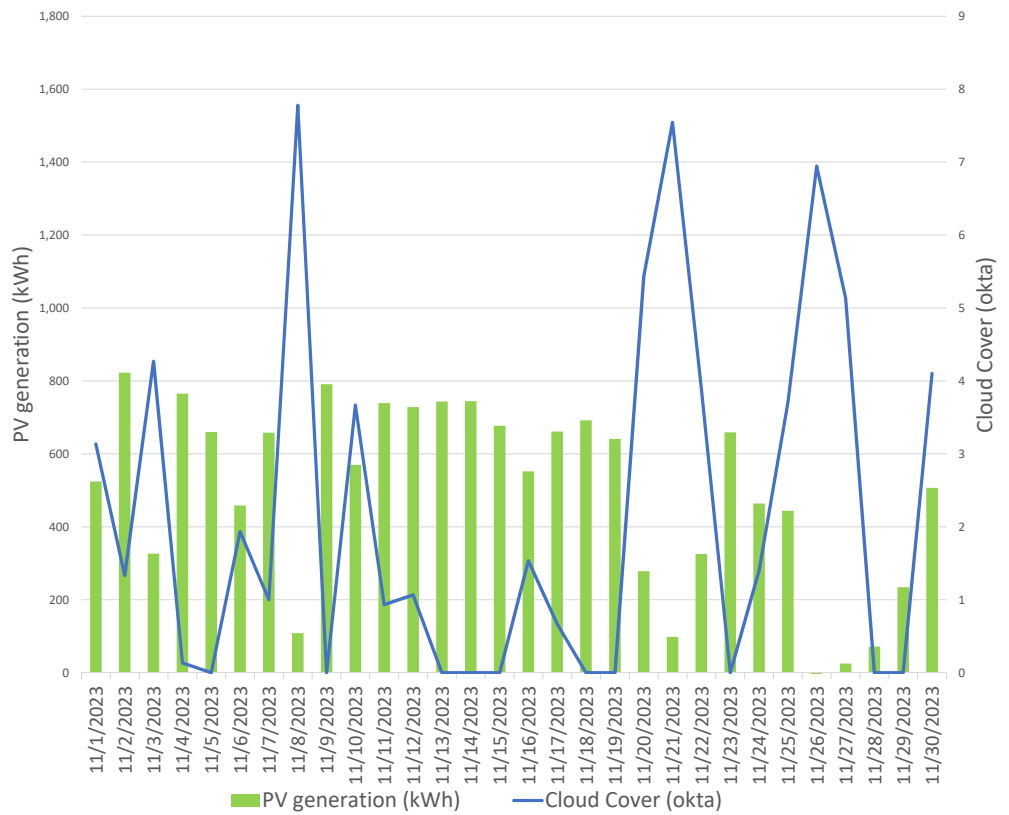
Monthly Plug Load

**Monthly PV**

Cumulative

Carbon Emissions

November 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

November Overview

November PV

**Annual Overview**

Monthly HVAC

Monthly Lighting

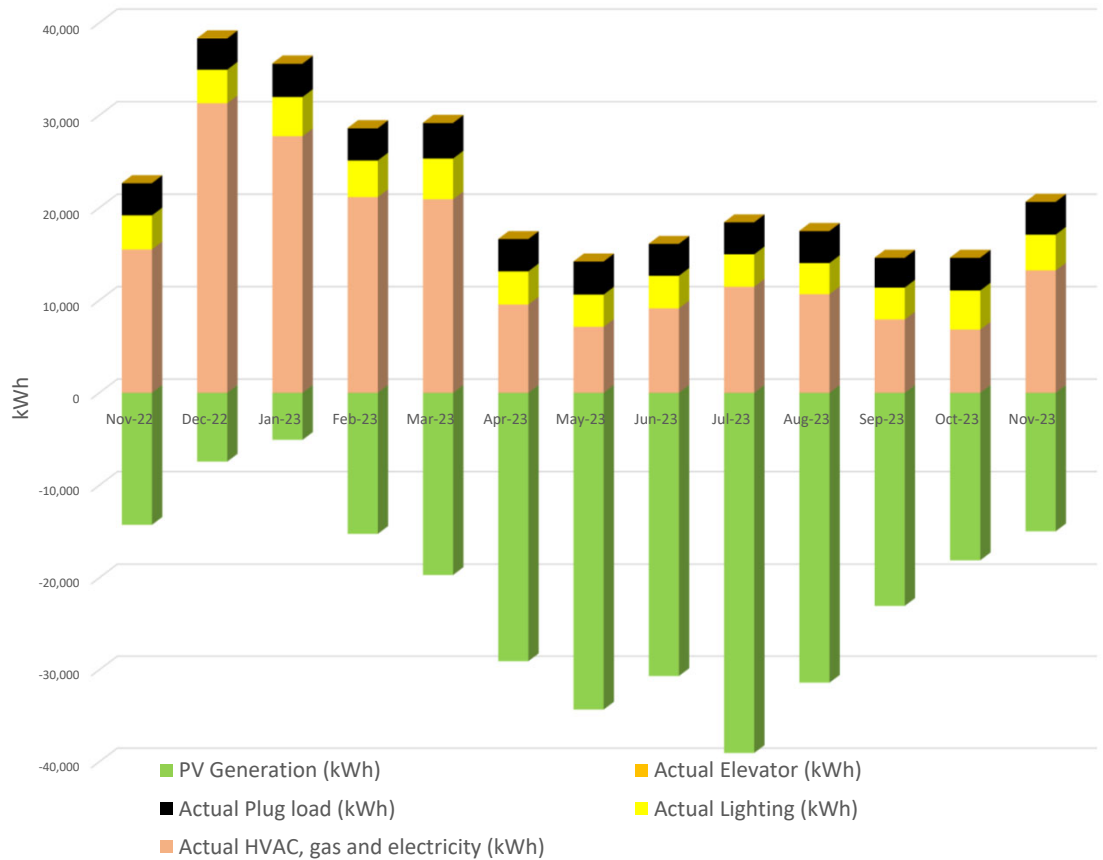
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

Actual Monthly Compiled (kWh)



# MONTHLY HVAC

November Overview

November PV

Annual Overview

Monthly HVAC

Monthly Lighting

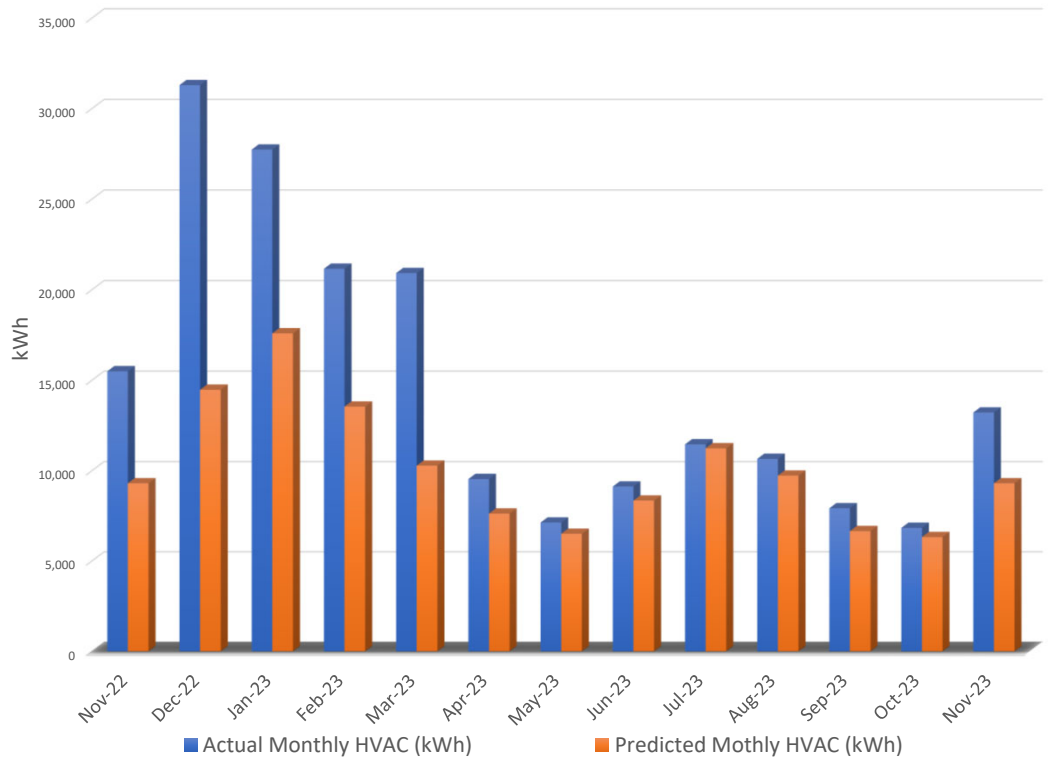
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

### Monthly HVAC (kWh)



\*HVAC = Heating, Ventilation and air conditioning



# MONTHLY LIGHTING

November Overview

November PV

Annual Overview

Monthly HVAC

**Monthly Lighting**

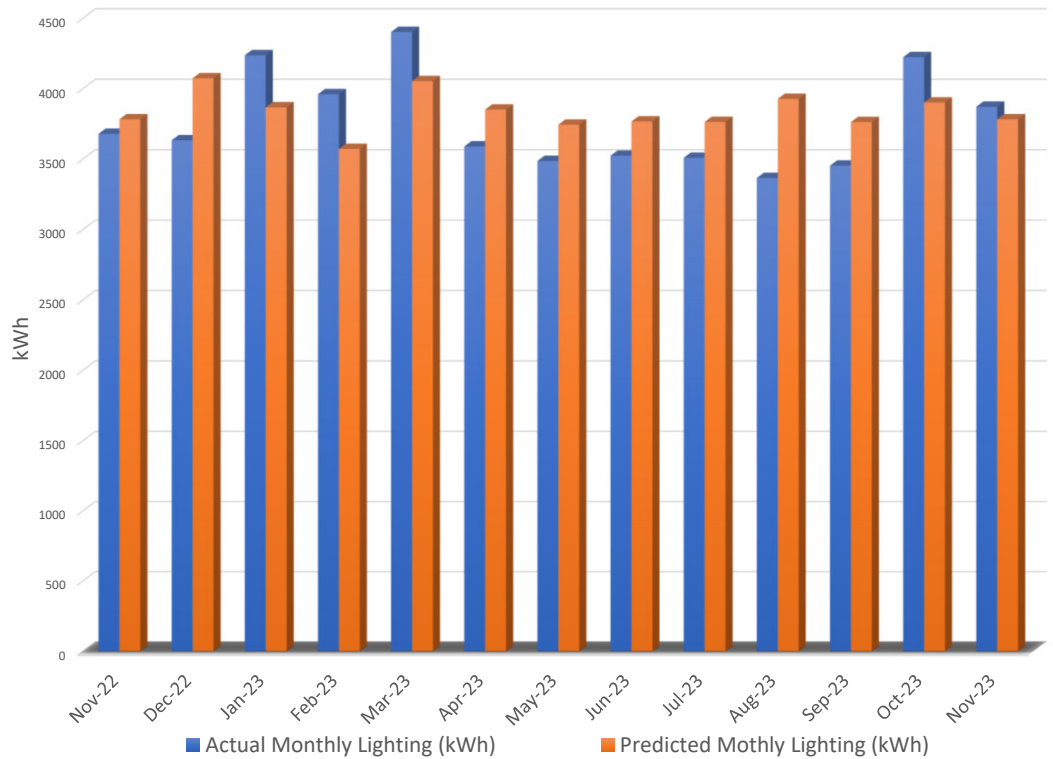
Monthly Plug Load

Monthly PV

Cumulative

Carbon Emissions

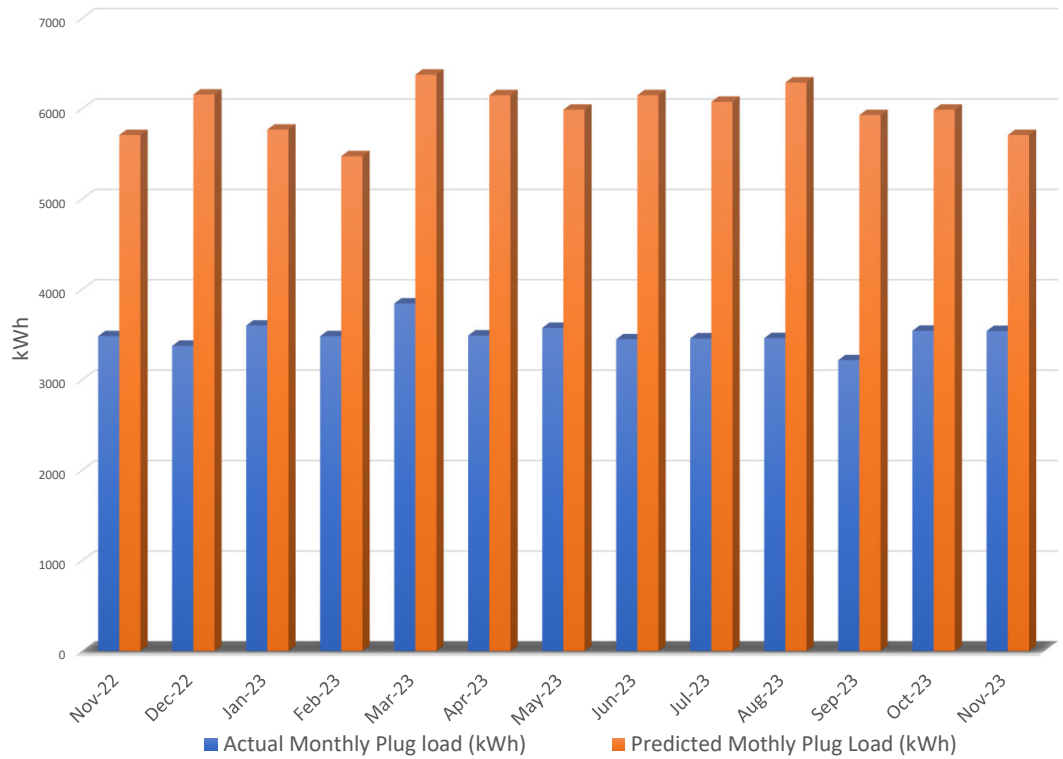
Monthly Lighting (kWh)



# MONTHLY PLUG LOAD

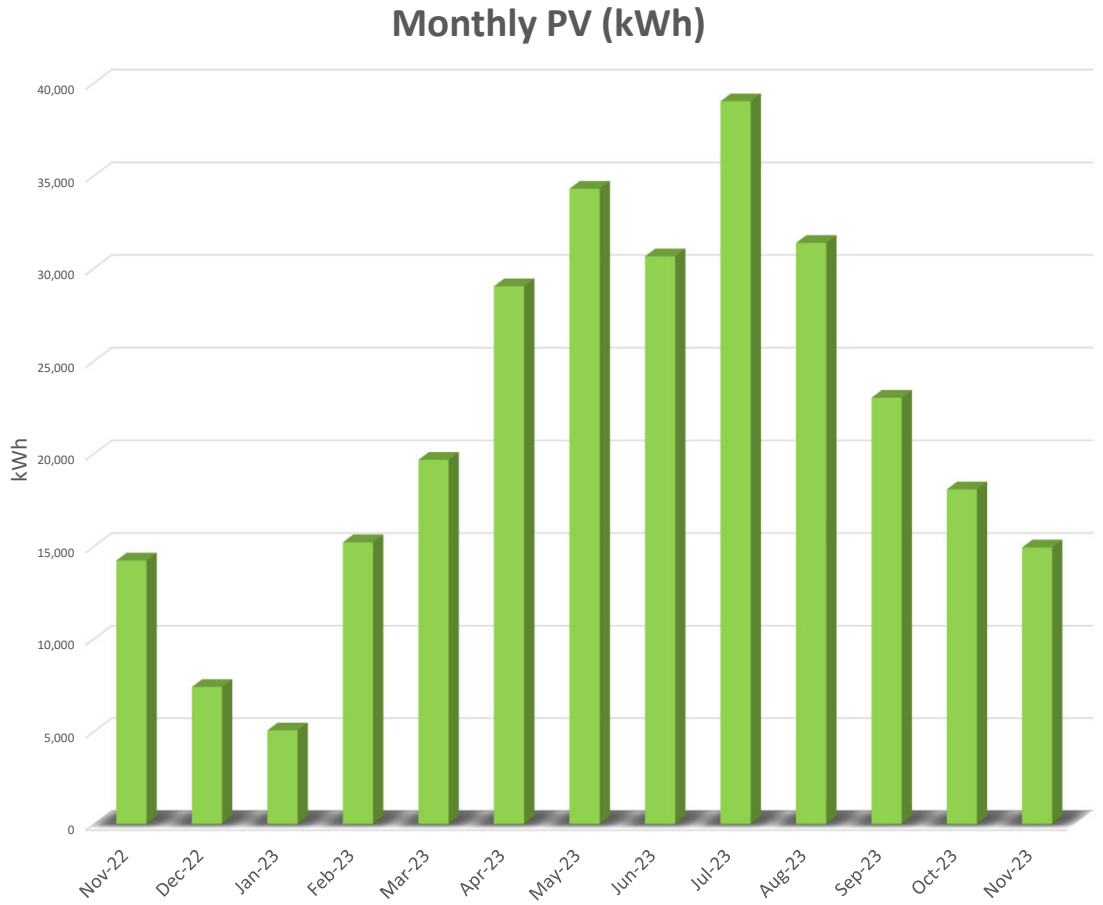
- November Overview
- November PV
- Annual Overview
- Monthly HVAC
- Monthly Lighting
- Monthly Plug Load**
- Monthly PV
- Cumulative
- Carbon Emissions

Monthly Plug Load Consumption (kWh)



# MONTHLY PV

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

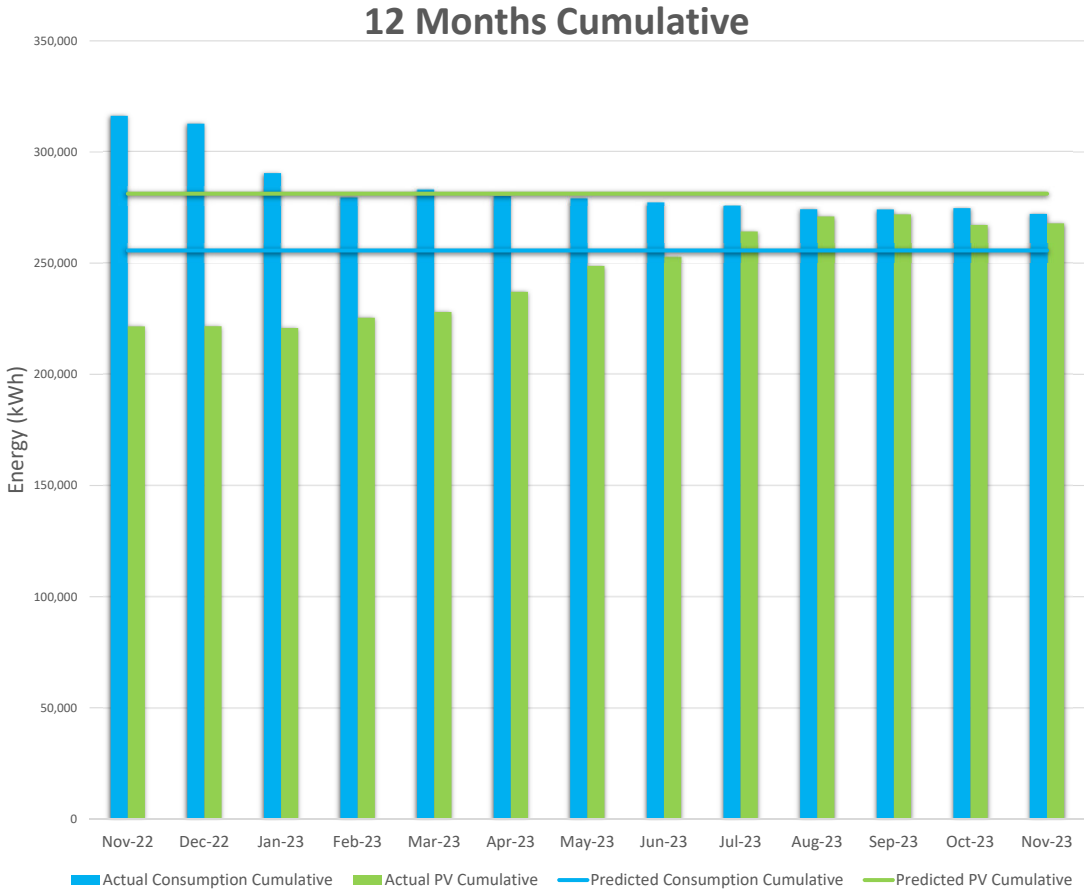


\*PV=Photovoltaics, generating electricity using solar power



# 12 Months Cumulative

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

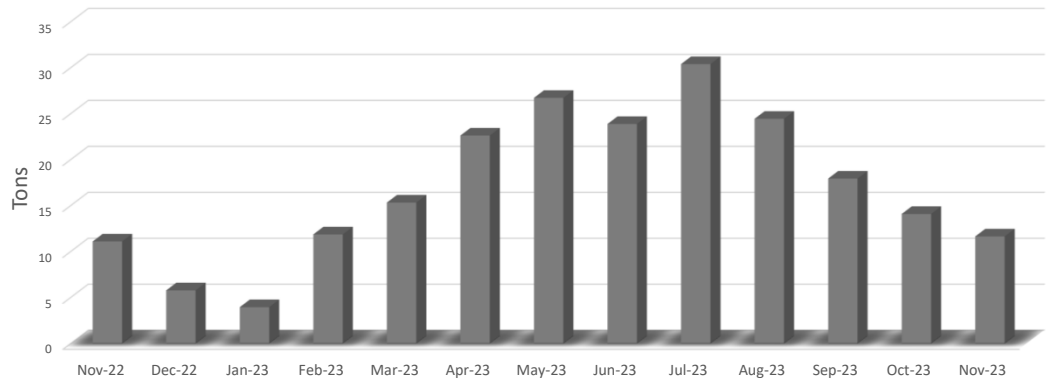


\* Data of each month here represents the cumulative of labeled month and previous 11 months. Eg: Jan-21 represents the cumulative data of Feb-20 to Jan-21.

# CARBON EMISSIONS

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

Monthly Equivalent Avoided CO2 Emissions (Tons)



Cumulative CO<sub>2</sub> avoided since September 2019



770 Tons

November PV : 14,956 kWh



11.7 Ton CO<sub>2</sub>



27,171 Miles driven by an average passenger vehicle



1.3 homes' energy use for one year



1,289,297 smartphones charged