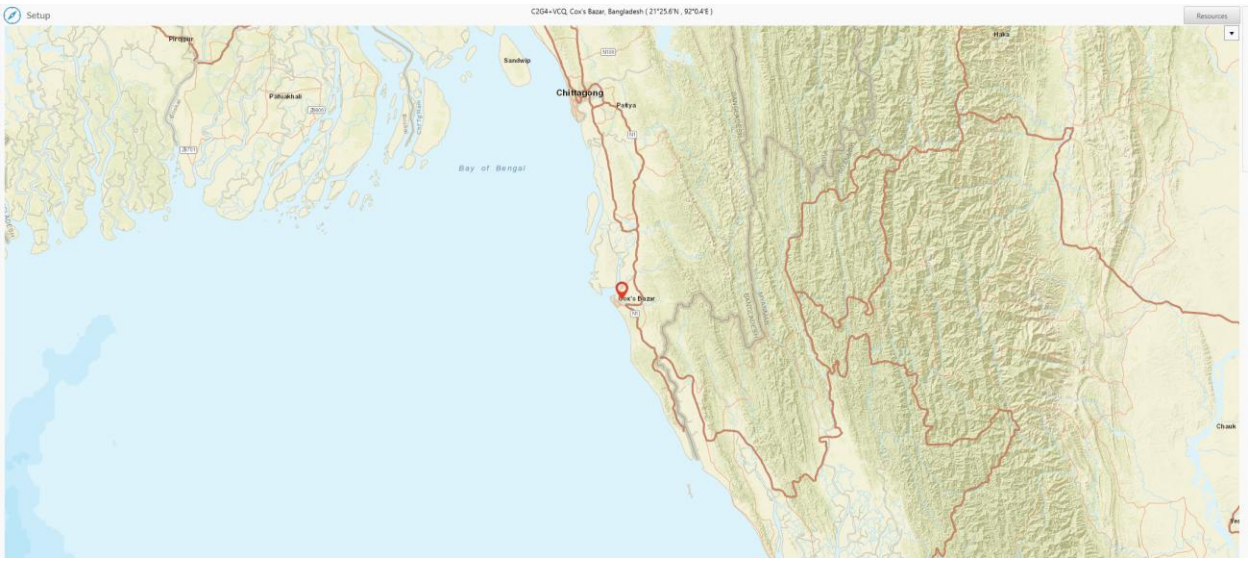
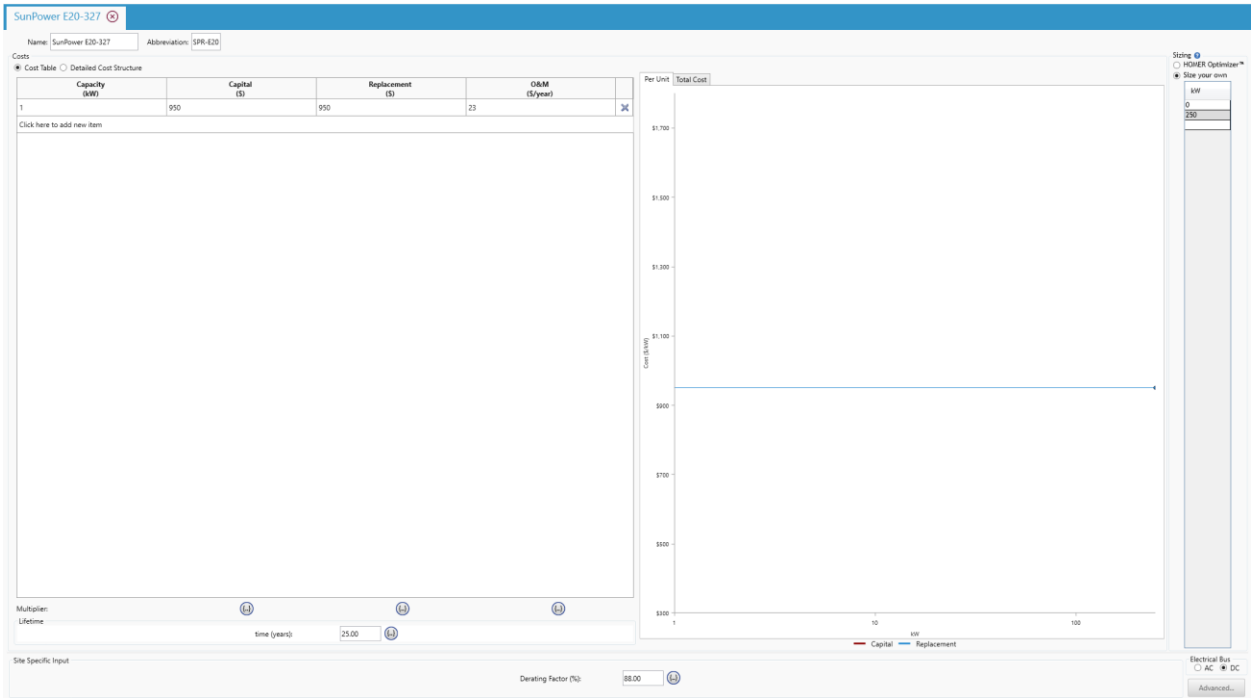
HOMER Grid Model Input Summary

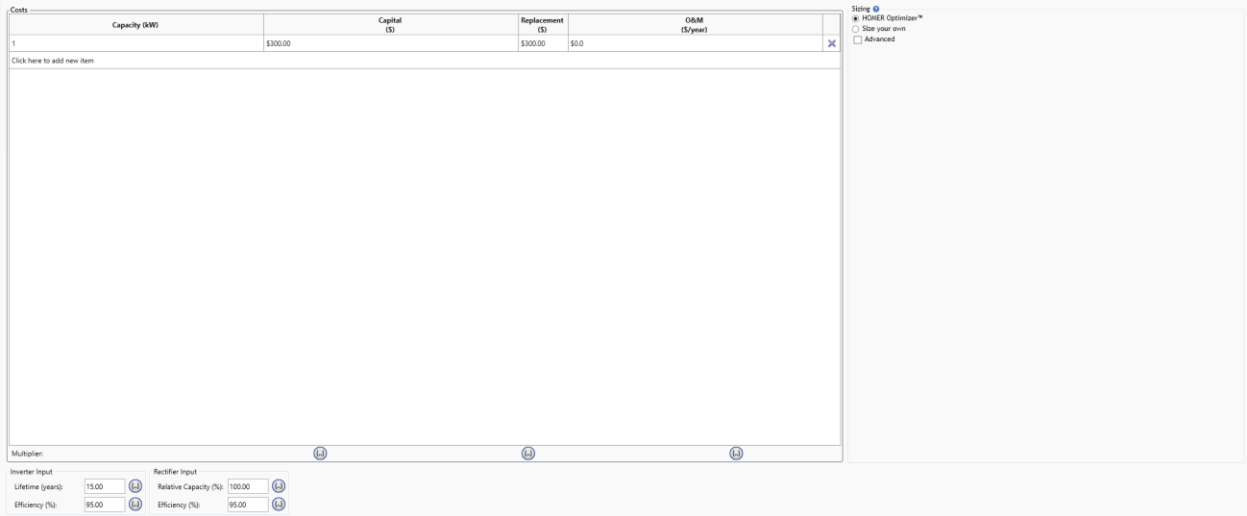
1. Setup



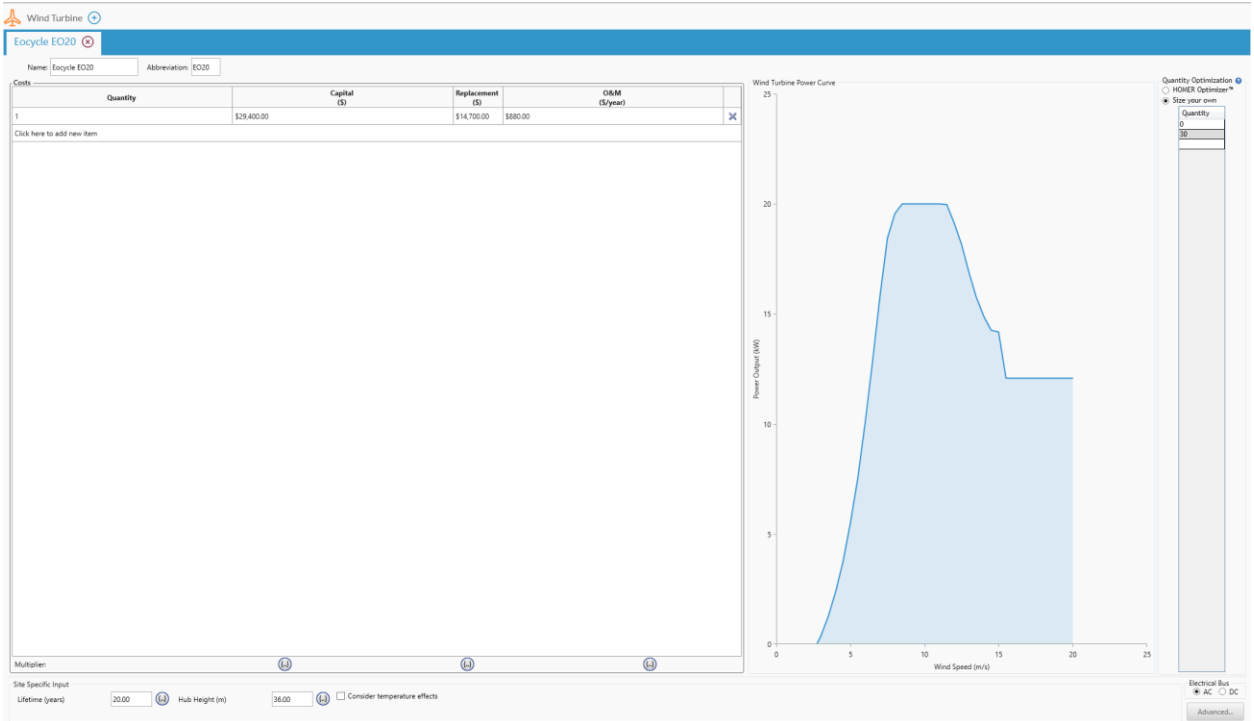
2. PV



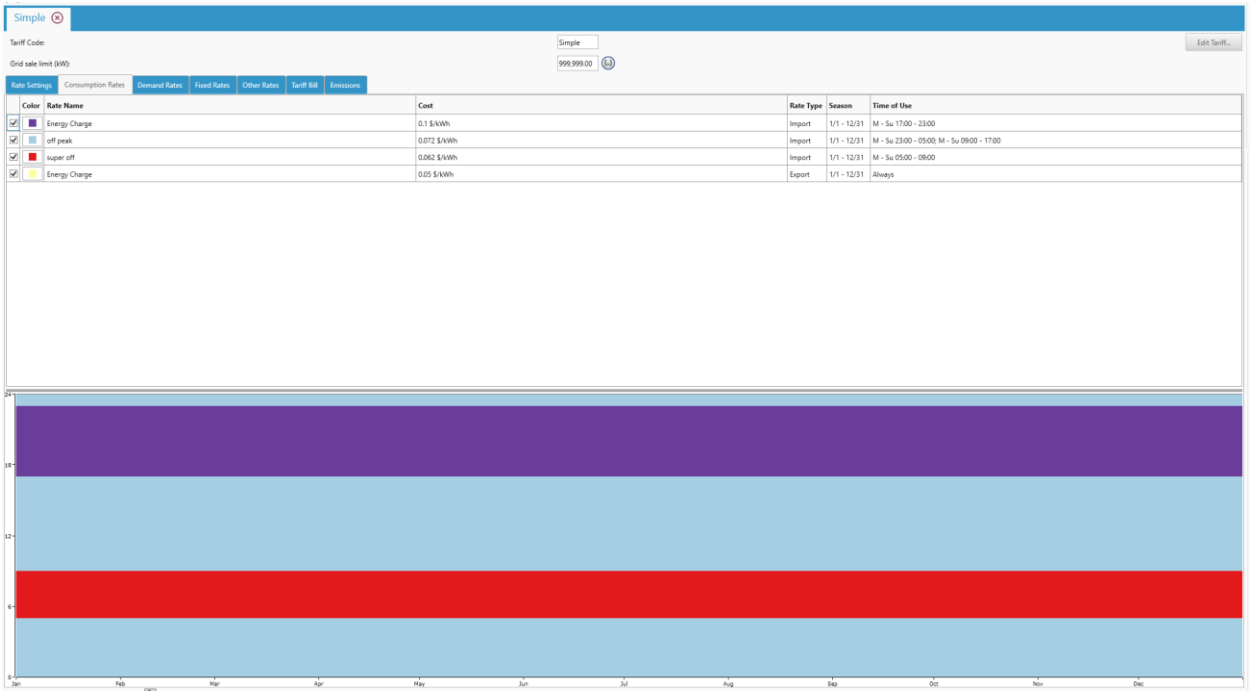
3. CONVERTER

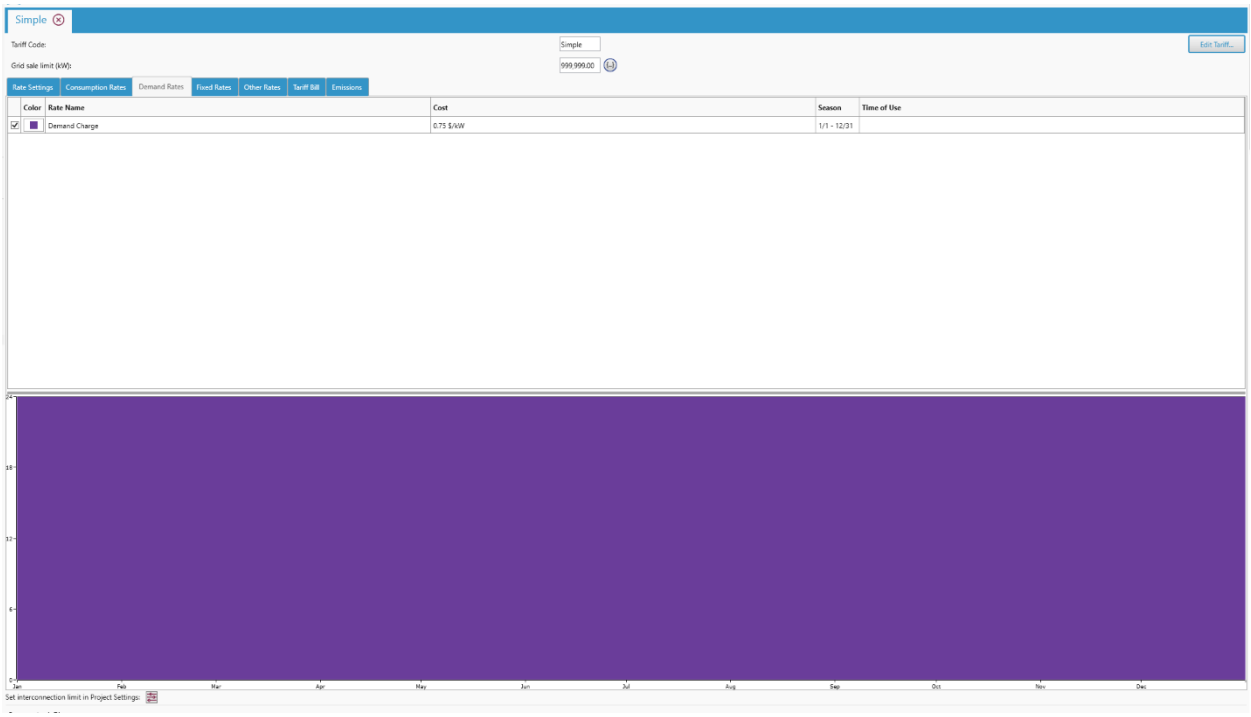


4. WIND

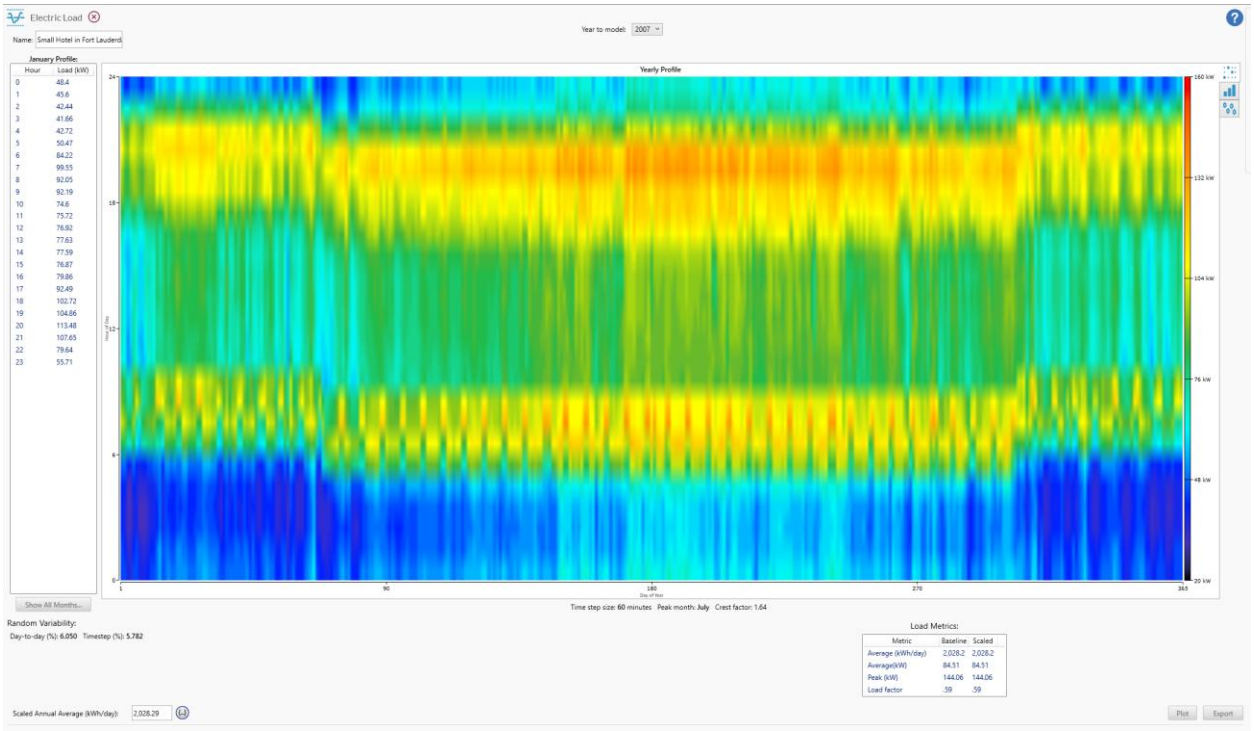


5. GRID

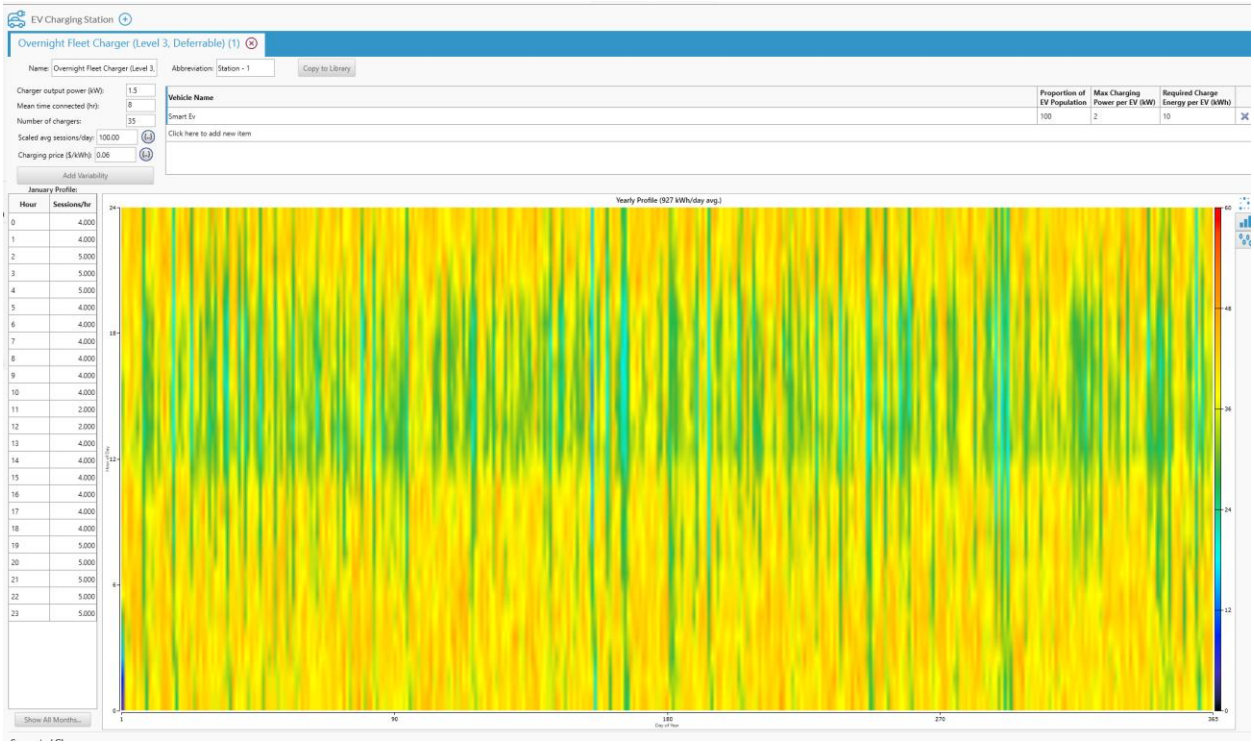

Simple
Tariff Code:
Simple
Edit Tariff...
Grid sale limit (kW):
999,999.00
Rate Settings
Consumption Rates
Demand Rates
Fixed Rates
Other Rates
Tariff Bill
Emissions
Color
Rate Name
Cost
Rate Type
Season
Time of Use
Energy Charge
0.1 $/kWh
Import
1/1 - 12/31
M - Su 17:00 - 23:00
off peak
0.072 $/kWh
Import
1/1 - 12/31
M - Su 23:00 - 05:00; M - Su 09:00 - 17:00
super off
0.062 $/kWh
Import
1/1 - 12/31
M - Su 05:00 - 09:00
Energy Charge
0.05 $/kWh
Export
1/1 - 12/31
Always
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec


Simple
Tariff Code:
Simple
Edit Tariff...
Grid sale limit (kW):
999,999.00
Rate Settings
Consumption Rates
Demand Rates
Fixed Rates
Other Rates
Tariff Bill
Emissions
Color
Rate Name
Cost
Season
Time of Use
Demand Charge
0.75 $/kW
1/1 - 12/31
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Set interconnection limit in Project Settings:

5. Electric Load

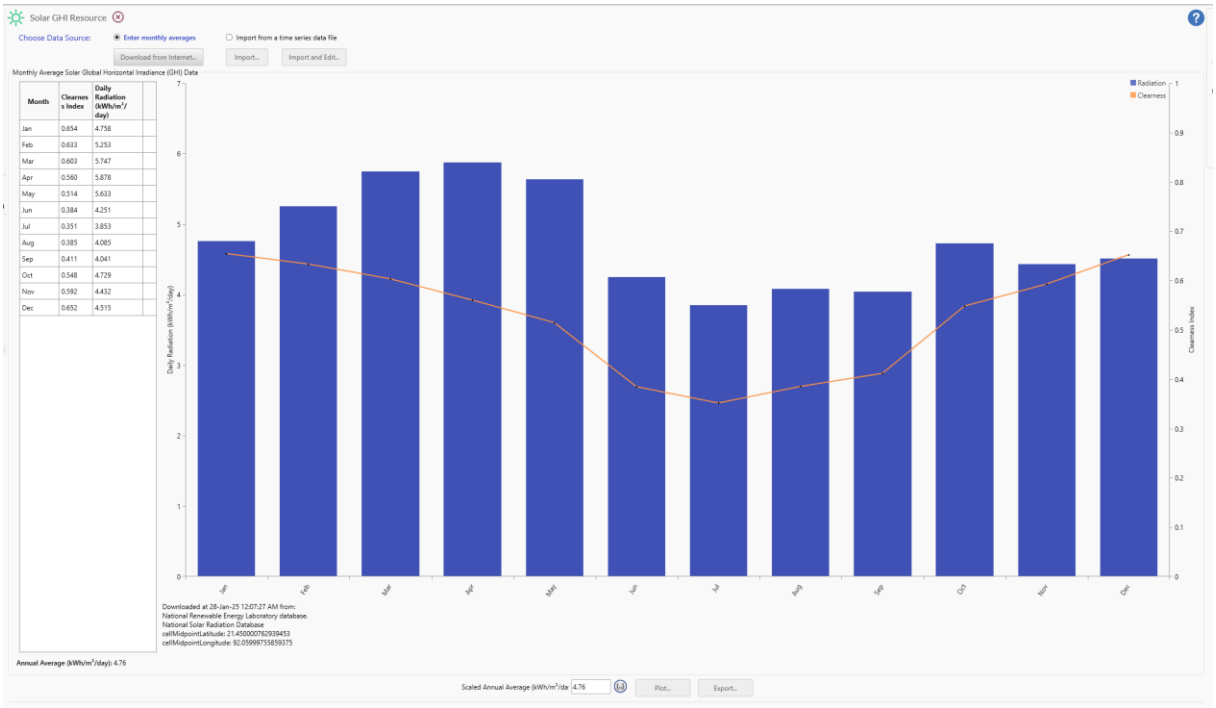


6. EVCS load profile summary

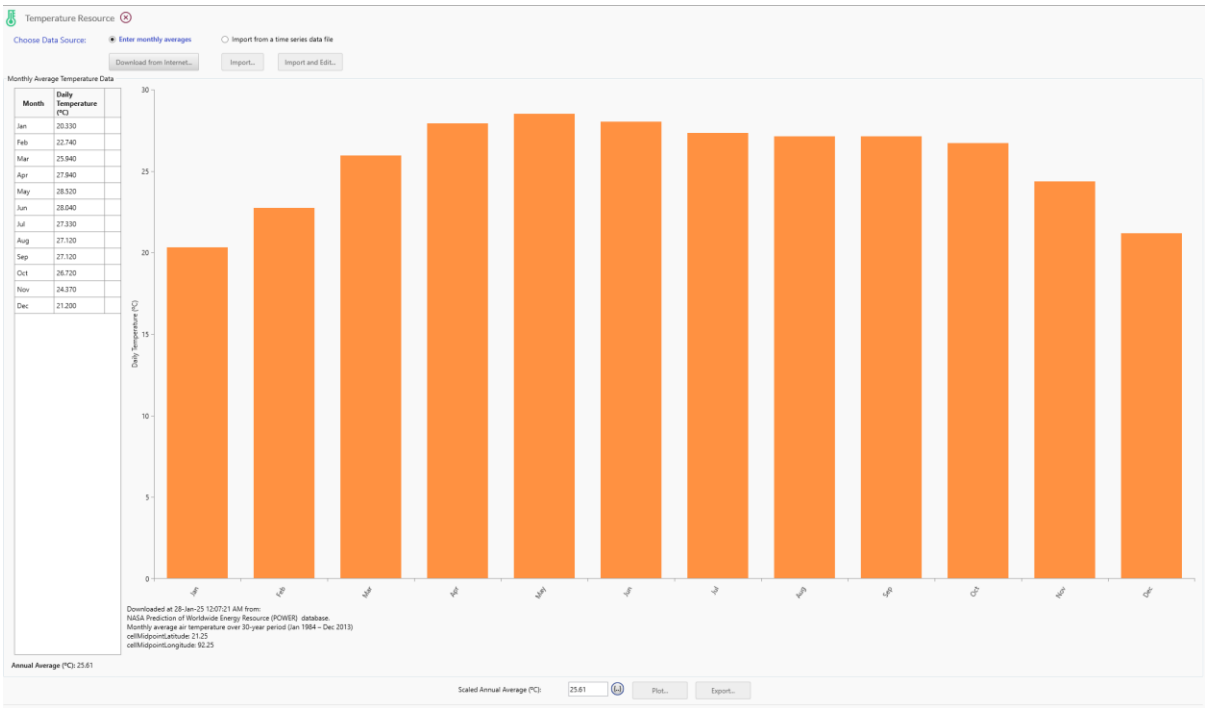


6. Resources:

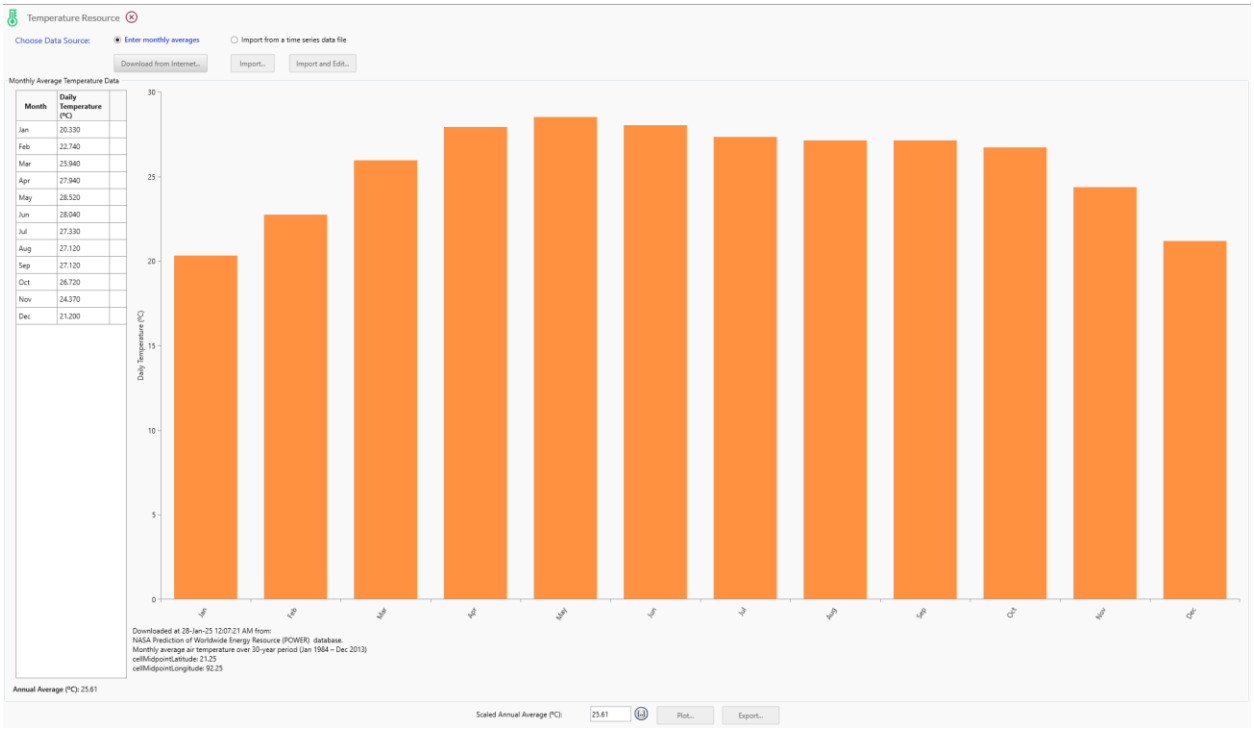
a. Solar GHI:



b. Temperature:



c. Wind:


Temperature Resource
Choose Data Source:
Enter monthly averages
Import from a time series data file
Download from Internet...
Import...
Import and Edit...
Monthly Average Temperature Data
Month
Daily Temperature (°C)
Jan 20.330
Feb 22.740
Mar 25.940
Apr 27.940
May 28.520
Jun 28.040
Jul 27.330
Aug 27.120
Sep 27.120
Oct 26.720
Nov 24.370
Dec 21.200
Daily Temperature (°C)
30
25
20
15
10
5
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Downloaded at 28-Jan-25 12:07:21 AM from:
NASA Prediction of Worldwide Energy Resource (POWER) database.
Monthly average air temperature over 30-year period (Jan 1984 – Dec 2013)
cellMidpointLatitude: 21.25
cellMidpointLongitude: 92.25
Annual Average (°C): 25.61
Scaled Annual Average (°C):
25.61
Plot...
Export...