

8 Stratton Drive, Traralgon East,
Victoria, 3844

Ph: 1300 447 765
ABN: 82 634 408 398

NOTES

- Layout is based on NearMaps Imagery.

TOTAL SYSTEM SUMMARY

Solar PV module : TRINA SOLAR Vertex TSM-500DE18M(II)
(500 Wp Mono PERC - 150 cell half-cut) - 2176 x 1098 x 35 mm

Total Solar PV module capacity : (500 Wp x 140) = 70 kWp

Total Inverter capacity: 60 kW (2 Inverter)

**Powerhouse
Function Centre -
Albert Park**

ADDRESS

34 Lakeside Dr,
Albert Park VIC
3206

SITE LAYOUT

PRELIMINARY

DRAWN BY:

RM

CHECKED BY:

PT

DRAWING NUMBER

LS&P_02

REVISION

1.0



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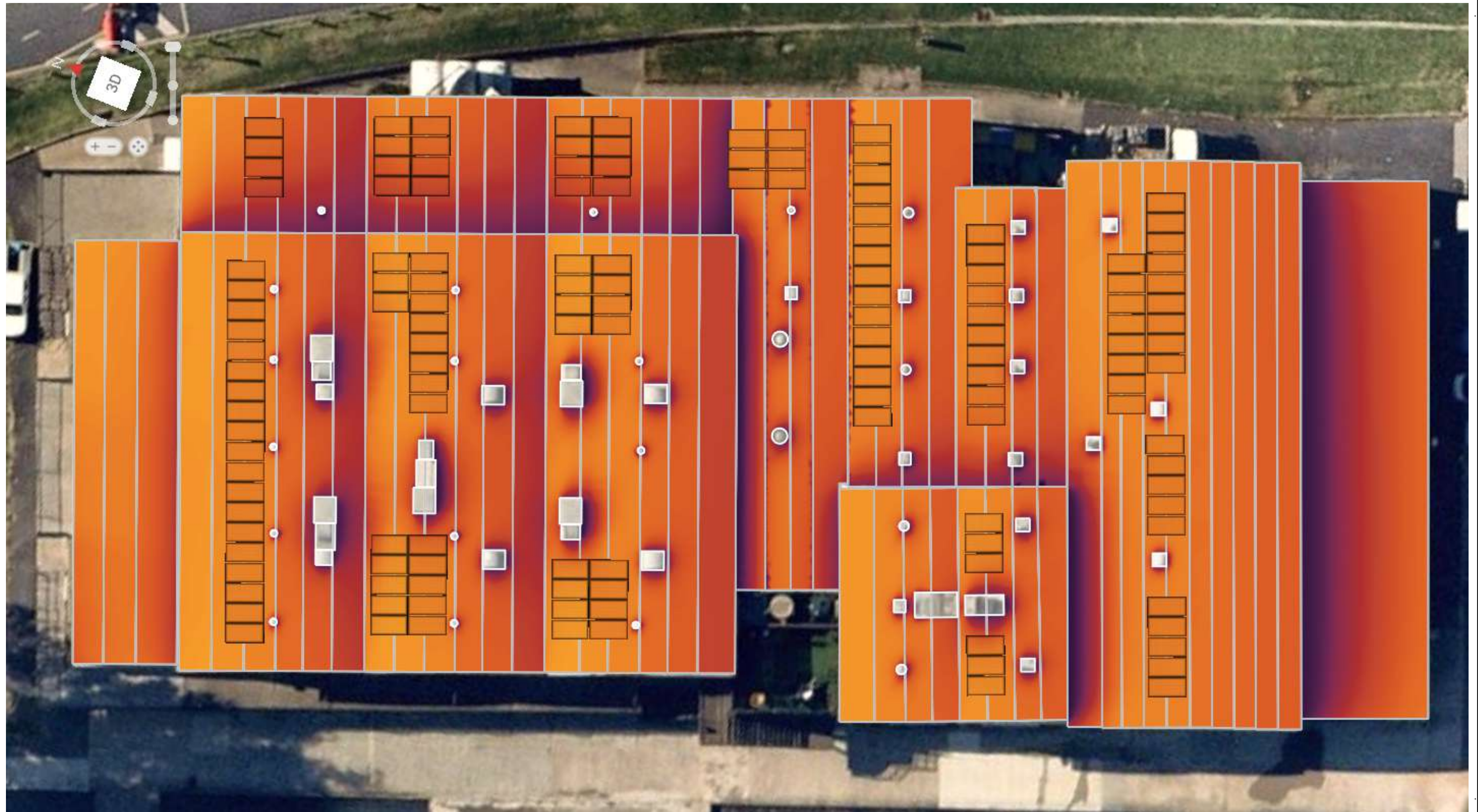
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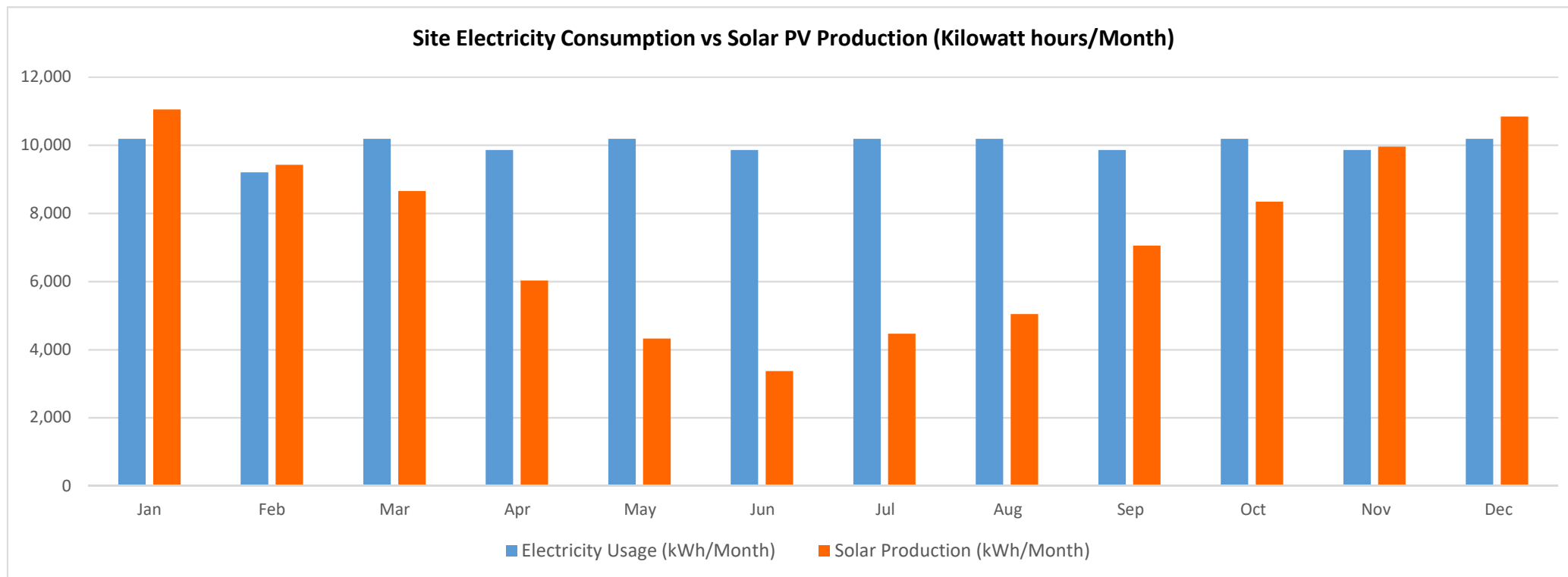
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Site Consumption Vs Solar Production



Greenhouse Gas Emission Savings
93.9 Tonnes of CO2-e Saved per Year
<p>The solar PV installation will reduce the amount electricity being consumed from the national grid, which will result in less electricity being produced from sources such as fossil fuels. The Australian Government estimates that in Victoria each kWh of electricity purchased from the grid will produce 1.06 kg of CO2 emissions. Therefore we estimate that Rose Lodge solar PV system will offset approximately 93.9 tons of greenhouse gas emissions per year. The greenhouse gas emission intensity varies from state to state, based on the energy mix.</p> <p>NATIONAL GREENHOUSE ACCOUNTS FACTORS Australian National Greenhouse Accounts August 2021</p>

Average Daily Solar PV Production	Yearly Solar PV Production
243 kWh	88,569 kWh
Percentage of Usage Offset by Solar	Percentage of Solar Exported to Grid
41%	45%

Peak and off-peak periods are defined by the energy retailer with standard periods being;

- PEAK - Monday to Friday 7am to 11pm
 - OFF PEAK – Monday to Friday 11pm to 7 am, all day Saturday and Sunday
- Some retail plans have additional charges for peak period in either winter and/or summer.

Hourly Modelling Analysis

Predicted average hourly solar power system production per month compared to your sites electricity usage.

