

GROWTHPOINT PROPERTIES LIMITED

(Incorporated with limited liability in the Republic of South Africa under registration number 1987/004988/06)

irrevocably and unconditionally guaranteed by

METBOARD PROPERTIES LIMITED

(Incorporated with limited liability in the Republic of South Africa under registration number 1998/005425/06)

and

PARAMOUNT PROPERTY FUND LIMITED

(Incorporated with limited liability in the Republic of South Africa under registration number 1945/019928/06)

Issue of ZAR350,000,000 Senior Unsecured Floating Rate Notes due 13 November 2030 under its ZAR30,000,000,000 Note Programme

This Applicable Pricing Supplement must be read in conjunction with the amended and restated Programme Memorandum, dated 25 October 2019, prepared by the Issuer in connection with the Growthpoint Properties Limited ZAR30,000,000,000 Note Programme, as amended and/or supplemented from time to time (the **Programme Memorandum**).

Any capitalised terms not defined in this Applicable Pricing Supplement shall have the meanings ascribed to them in the section of the Programme Memorandum headed "*Terms and Conditions of the Notes*".

This document constitutes the Applicable Pricing Supplement relating to the issue of Notes described herein. The Notes described herein are issued on and subject to the Terms and Conditions as amended and/or supplemented by the Terms and Conditions contained in this Applicable Pricing Supplement. To the extent that there is any conflict or inconsistency between the contents of this Applicable Pricing Supplement and the Programme Memorandum, the provisions of this Applicable Pricing Supplement shall prevail.

PARTIES

| 1. | Issuer | Growthpoint Properties Limited |
|----|--------------------|---|
| 2. | Guarantors | Metboard Properties Limited; and |
| | | Paramount Property Fund Limited |
| 3. | Dealer(s) | The Standard Bank of South Africa Limited, acting through its Corporate and Investment Banking division |
| | Registered Address | 30 Baker Street, Rosebank, 2196 |
| 4. | Manager(s) | N/A |
| | Registered Address | N/A |
| 5. | JSE Debt Sponsor | Absa Corporate & Investment Bank, a division of Absa Bank Limited |
| | Registered Address | 15 Alice Lane, Sandton, 2196 |

6. Nedbank Investor Services, a division of Paying Agent **Nedbank Limited** Specified Address Lakeview Campus, 16 Constantia Boulevard, Constantia Kloof, Roodepoort, 1709, South Africa 7. Calculation Agent **Growthpoint Properties Limited** Specified Address The Place, 1 Sandton Drive, Sandton, 2196 Transfer Agent **Growthpoint Properties Limited** 8. The Place, 1 Sandton Drive, Sandton, 2196 Specified Address 9. Settlement Agent Nedbank Investor Services, a division of **Nedbank Limited** Specified Address Lakeview Campus, 16 Constantia Boulevard, Constantia Kloof, Roodepoort, 1709, South Africa 10. **Growthpoint Properties Limited** Issuer Agent Specified Address The Place, 1 Sandton Drive, Sandton, 2196 PROVISIONS RELATING TO THE NOTES 11. Status of Notes Senior Unsecured 12. Form of Notes The Notes in this Tranche are listed Notes issued in uncertificated form and held by the CSD 83 13. Series Number 14. 1 Tranche Number 15. Aggregate Nominal Amount: (a) Series ZAR 350,000,000 (b) Tranche ZAR 350,000,000 16. Interest Interest-bearing 17. Interest Payment Basis Floating Rate N/A 18. Automatic/Optional Conversion from one Interest/Redemption/Payment Basis to another 19. Issue Date 13 November 2023 20. Nominal Amount per Note ZAR1,000,000 21. **Specified Denomination** ZAR1,000,000 22. Specified Currency ZAR

21. Specified Denomination ZAR1,000,000

22. Specified Currency ZAR

23. Issue Price 100%

24. Interest Commencement Date 13 November 2023

25. Maturity Date 13 November 2030

26. Applicable Business Day Following Business Day Convention

27. Final Redemption Amount 100% of Nominal Amount

28. Last Day to Register By 17h00 on 2 February, 2 May, 2 August and 2 November or if such day is not a Business Day, the Business Day before each Books Closed Period, in each year until the Maturity Date or, if an early redemption occurs, 11 calendar days prior to the early Redemption Date

29. Books Closed Period(s) The Register will be closed from 3 February to 12 February, 3 May to 12 May, 3 August to 12 August and 3 November to 12 November (all dates inclusive) in each year until the Maturity Date, or if any early redemption occurs, 10 calendar days prior to the early Redemption Date

Reference Rate plus Margin plus 2%

30. **Default Rate**

FIXED RATE NOTES

FLOATING RATE NOTES

31. (a) Interest Payment Date(s)

13 February, 13 May, 13 August and 13 November of each year until the Maturity Date (with the last Interest Payment Date being the Maturity Date) or, if such day is not a Business Day, the Business Day on which interest will be paid, as determined in accordance with the Applicable Business Day Convention (as specified in this Applicable Pricing Supplement) with the first Interest Payment Date being 13 February 2024, or, if such day is not a Business Day, the Business Day on which interest will be paid, as determined in accordance with the Applicable Business Day Convention (as specified in this Applicable Pricing Supplement)

(b) Interest Period(s)

Each period, from and including, the applicable Interest Payment Date and ending on, but excluding the following Interest Payment Date, the first Interest Period commences on (and includes) the Interest Commencement Date and ends on (but excludes) the first Interest Payment Date (each Interest Payment Date is adjusted in accordance with the Applicable Business Day Convention, as specified in this Applicable Pricing Supplement)

(c) Definition of Business Day (if different from that set out in Condition 1 (Interpretation)

N/A

N/A

(d) Minimum Rate of Interest

N/A

Maximum Rate of Interest (e)

N/A

(f) Other terms relating to the method of calculating interest (e.g. Day Count Fraction, rounding up provision/Base CPI)

Day Count Fraction: Actual/365

32. Rate of Interest and the manner in which the Rate of Interest is to be determined

Screen Rate Determination

33. Margin

150 basis points to be added to the Reference Rate

34. If ISDA Determination N/A

- 35. If Screen Rate Determination:
 - (a) Reference Rate (including relevant period by reference to which the Rate of Interest is to be calculated)

3 month ZAR-JIBAR

(b) Interest Rate Determination Date(s)

13 February, 13 May, 13 August and 13 November in each year until the Maturity Date (or if such day is not a Business Day, the following day that is a Business Day), with the first Interest Rate Determination Date being 8 November 2023

(c) Relevant Screen Page and Reference Code

ZAR-JIBAR-SAFEX

36. If Rate of Interest to be calculated otherwise than by ISDA Determination or Screen Rate Determination, insert basis for determining Rate of Interest/Margin/ Fallback provisions

N/A

37. Calculation Agent responsible for calculating amount of principal and interest

Growthpoint Properties Limited

ZERO COUPON NOTES N/A PARTLY PAID NOTES N/A **INSTALMENT NOTES** N/A MIXED RATE NOTES N/A **INDEX-LINKED NOTES** N/A **DUAL CURRENCY NOTES** N/A **EXCHANGEABLE NOTES** N/A **OTHER NOTES** N/A

PROVISIONS REGARDING REDEMPTION/MATURITY

38. Redemption at the Option of the Issuer:

No

39. Redemption at the Option of the Senior Noteholders:

No

40. Redemption in the event of a Change of Control at the election of Noteholders pursuant to Condition 11.5 (Redemption in the event of a Change of Control) or any other terms applicable to a Change of Control

Yes

41. Redemption in the event of a failure to maintain JSE Listing and Rating at the election of Noteholders pursuant to Condition 11.6 (Redemption in the event of a failure to maintain JSE Listing and Rating)

Yes

42. Early Redemption Amount(s) payable on redemption for taxation reasons pursuant to Condition 11.2

N/A

(Redemption for Tax Reasons), on redemption at the option of the Issuer pursuant to Condition 11.3 (Redemption at the Option of the *Issuer*), on redemption at the option of the Senior Noteholders pursuant to Condition 11.4 (Redemption at the Option of Senior Noteholders), on an Event of Default pursuant to Condition 18 (Events of Default), on a Change of Control pursuant to Condition 11.5 (Redemption in the event of a Change of Control), in relation to a failure to maintain a JSE Listing and Rating pursuant to Condition 11.6 (Redemption in the event of a failure to maintain JSE Listing and Rating) if different from that set out in Condition 11.7 (Early Redemption Amount).

| GENER | RAL | |
|-------|--|---|
| 43. | Financial Exchange | Interest Rate Market of the JSE Limited |
| 44. | Additional selling restrictions | N/A |
| 45. | ISIN No. | ZAG 000200759 |
| 46. | Bond Code | GRT59G |
| 47. | Stabilising manager | N/A |
| 48. | Provisions relating to stabilisation | N/A |
| 49. | Method of distribution | Private Placement |
| 50. | Rating assigned to the Issuer and Notes | Aa1.za (Moody's Long-term National Scale) and AAA(zaf) (Fitch's Long-Term National Scale) |
| 51. | Applicable Rating Agency | Moody's Investor Services (Pty) Ltd |
| | | Fitch Ratings Ltd |
| 52. | Governing law (if the laws of South Africa are not applicable) | N/A |
| 53. | Total nominal value of Notes in issue as at the Issue Date (exclusive of this issue and the issue of GRT60G Notes to be issued on the same Issue Date) | ZAR22,126,000,000 |
| 54. | Other provisions | See Appendix A "Documents Incorporated by Reference" attached hereto |
| 55. | Independent External Reviewer | IBIS Environmental Social Governance Consulting Africa Proprietary Limited |
| | (a) Specified Office | 1st Floor, Acacia House |
| | (a) Specifica Silico | The Avenues Office Park, |
| | | 45 Homestead Rd, Rivonia, |
| | | Johannesburg, 2191 |
| | (b) Contact Details | Tel: +27 10 020 7343 |
| | (-) | Email: petrus.gildenhuys@ibisconsulting.com |
| | | Attention: Director - IBIS ESG Consulting Africa |

Proprietary Limited

DISCLOSURE REQUIREMENTS IN TERMS OF PARAGRAPH 3(5) OF THE COMMERCIAL PAPER REGULATIONS IN RELATION TO THIS ISSUE OF NOTES AS AT THE ISSUE DATE

56. Paragraph 3(5)(a)

The "ultimate borrower" (as defined in the Commercial Paper Regulations) is the Issuer.

57. **Paragraph 3(5)(b)**

The Issuer is a going concern and can in all circumstances be reasonably expected to meet its commitments under the Notes.

58. Paragraph 3(5)(c)

The auditor of the Issuer is Ernst & Young Incorporated.

59. **Paragraph 3(5)(d)**

As at the date of this issue:

- the Issuer has ZAR22,126,000,000 (exclusive of this issue and the issue of GRT60G Notes to be issued on the same Issue Date), of Commercial Paper (as defined in the Commercial Paper Regulations); and
- (ii) the Issuer estimates that it will issue ZAR3,000,000,000 further Commercial Paper during the current financial year, ending 30 June 2024.

60. Paragraph 3(5)(e)

All information that may reasonably be necessary to enable the investor to ascertain the nature of the financial and commercial risk of its investment in the Notes is contained in the Programme Memorandum and the Applicable Pricing Supplement.

61. **Paragraph 3(5)(f)**

Since the date of its last audited financial statements, there has been no material adverse change in the Issuer's financial position.

62. **Paragraph 3(5)(g)**

The Notes issued will be listed.

63. Paragraph 3(5)(h)

The funds to be raised through the issue of the Notes are to be used by the Issuer as set out in Appendix B "Growthpoint schedule of intended Use of Proceeds".

64. **Paragraph 3(5)(i)**

The payment obligations of the Issuer in respect of the Notes are guaranteed in terms of the Guarantee provided by the Guarantors but are otherwise unsecured.

65. **Paragraph 3(5)(j)**

Ernst & Young Incorporated, the statutory Auditors of the Issuer, have confirmed that nothing has come to their attention to indicate that this issue of Notes issued under the Programme does not comply in all material respects with the relevant provisions of the Commercial Paper Regulations.

Responsibility:

The Issuer certifies that to the best of its knowledge and belief there are no facts that have been omitted from the Programme Memorandum or this Applicable Pricing Supplement which would make any statement false or misleading, that all reasonable enquiries to ascertain such facts have been made and that the Programme Memorandum together with this Applicable Pricing Supplement

contain all information required by law and the Debt Listings Requirements of the JSE. The Issuer accepts full responsibility for the accuracy of the information contained in the Programme Memorandum, this Applicable Pricing Supplement and all documents incorporated by reference (see the section of the Programme Memorandum headed "Documents Incorporated by Reference"), except as otherwise stated therein.

The JSE takes no responsibility for the contents of the Programme Memorandum, the published integrated annual reports, which include the published audited annual financial statements and this Applicable Pricing Supplement of the Issuer and any amendments or supplements to the aforementioned documents. The JSE makes no representation as to the accuracy or completeness of the Programme Memorandum, the published integrated annual reports, which include the published audited annual financial statements and this Applicable Pricing Supplement of the Issuer and any amendments or supplements to the aforementioned documents and expressly disclaims any liability for any loss arising from or in reliance upon the whole or any part of the aforementioned documents. The JSE's approval of the registration of the Programme Memorandum and listing of the Notes is not to be taken in any way as an indication of the merits of the Issuer or of the Notes and that, to the extent permitted by law, the JSE will not be liable for any claim whatsoever.

The Dealer(s), acts in a number of different capacities in relation to the Issuer and the transaction described herein. The Dealer(s) and its affiliates may have a lending relationship with any entity in the Growthpoint Group and their respective affiliates and from time to time may have performed, and in the future may perform, banking, investment banking, advisory, consulting and other financial services for any such parties and/or entities, for which the Dealer and its affiliates may receive customary advisory and transaction fees and expenses reimbursement.

In addition, in the ordinary course of its business activities, the Dealer and its affiliates may make loans or hold a broad array of investments and actively trade debt and equity securities (or related derivative securities) and financial instruments (including bank loans) for their own account and for the accounts of their customers. Such loans, investments and securities activities may involve securities and/or instruments of the Issuer and/or any entity in the Growthpoint Group or their respective affiliates (including the Notes). The Dealer and its affiliates may hedge their credit exposure to the Issuer and/or any entity in the Growthpoint Group or their respective affiliates in a manner consistent with their customary risk management policies.

Material Change:

As at the date of this Applicable Pricing Supplement, and after due and careful enquiry, there has been no material change in the financial or trading position of the Issuer and its Subsidiaries since the date of publication of the Issuer's latest audited annual financial statements. As at the date of this Applicable Pricing Supplement, there has been no involvement by Ernst & Young Incorporated in making the aforementioned statement.

Programme Amount:

As at the date of this Applicable Pricing Supplement, the Issuer confirms that the authorised Programme Amount of ZAR30,000,000,000 has not been exceeded.

Listing:

Application is hereby made to list this issue of Notes on 13 November 2023.

| SIGNED at | 1 Sandton Drive | on this | 8th | dav of | November | 2023 |
|-----------|-----------------|---------|-----|--------|----------|------|
|-----------|-----------------|---------|-----|--------|----------|------|

For and on behalf of

GROWTHPOINT PROPERTIES LIMITED

Name: Estienne de Klerk

Capacity: Director

Who warrants his/her authority hereto

196/16/

Name: Gerald Völkel Capacity: Director

Who warrants his/her authority hereto

Appendix A Documents Incorporated by Reference

The following are additional documents incorporated by reference which apply to the GRT59G Notes.

- 1. The Green Bond Framework dated 1 November 2022; and
- 2. The Independent Advisor's pre issuance Second Party Opinion ("**SPO**") report to confirm the alignment of Growthpoint's Green Bond Framework dated 1 November 2022 with the International Capital Markets Association Green Bond Principles,

 $available \quad on \quad the \quad Issuer's \quad website: \quad \underline{https://www.growthpoint.co.za/investor-relations/credit-information/\#green-bond}.$

Appendix B Growthpoint Schedule of intended Use of Proceeds

The Issuer has established the "Green Bond Framework dated 1 November 2022" (as opposed to the inaugural Growthpoint Green Bond Framework established in 2018) which sets out the criteria and process for the identification and assessment of the eligibility of properties and projects to be financed through the proceeds of green bonds. Using this framework the Issuer has identified the following properties as eligible projects to be financed and re-financed with the proceeds of the GRT59G Notes and GRT60G Notes (which are to be issued on the same Issue Date):

| Building number | Property | Green Project Category | Historical/Development Cost | Proceeds allocated |
|-----------------|----------------------------|------------------------|--------------------------------|--------------------|
| 1878 | 36 Hans Strijdom | Green Buildings | R360 000 000 | R320 000 000 |
| New Build | Arterial Industrial Estate | Green Buildings | R240 000 000 | R240 000 000 |
| Various | Various | Renewable Energy* | To be advised | R440 000 000 |
| | TOTAL | | | R1 000 000 000 |

^{*}This will be spent on capital expenditure for the installation of rooftop solar panels and batteries

Appendix C Fact Sheets of Green Properties

ESKOM MINIFLEX SOLAR PV ENERGY TARIFF COST ANALYSIS



DATE: 5-Oct-23 **PROJECT REFERENCE:** 23064

1 **EXECUTIVE SUMMARY**

The electrical energy produced by a solar PV plant will result in a calculated blended rate of

R 2,370 /kWh of Solar P

of Solar PV energy generated.

The R/kWh rate is irrespective of the size of the solar PV plant & the cost of the solar PV plant. The main influencing factors affecting the rate are the energy tariff. This calculation does not take into account potential kVA demand savings that may be experienced.

2 ELECTRICITY TARIFF - ESKOM MINIFLEX NON LOCAL AUTHORITY <=300KM, <500V, TARIFFS (2023/2024)

TIME OF USE TABLE

2,1 Tarrif Structure: ESKOM MINIFLEX NON LOCAL AUTHORITY >=500V, < 66kV; >300km, <=600km

2,2 Admin Charge R 32,20 x No. days in Monday

2,3 Network Capacity Charge
2,4 Ancillary Service Charge
2,5 Affordability Subsidy Charge
2,6 Electrifiation and Rural Subsidy
R 0,1380 /kWh
R 0,1380 /kWh

2,7 Network Demand Charge R 0,1202 /kWh Peak & Std

Energy Charge Low Season (Summer)

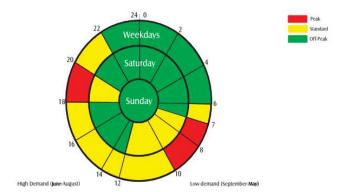
 2,8 Peak
 R 1,7605 /kWh

 2,9 Standard
 R 1,2114 /kWh

 2,10 Off-Peak
 R 0,7685 /kWh

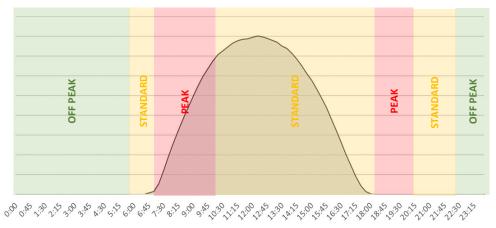
Energy Charge High Season (Winter)

2,11 Peak R 5,3960 /kWh
2,12 Standard R 1,6345 /kWh
2,13 Off-Peak R 0,8876 /kWh



3 TYPICAL SOLAR PV GENERATION CURVE

Solar power is typically generated between 06H00 and 18H00 during daylight hours. The energy produced during daylight hours typically occurs during Standard and Peak times which enhances the Solar PV feasibility as the R/kWh saving. The graph below highlights the solar PV energy being produced during a typcial week day.



SOLAR PV CURVE INDICATING TOU (WEEK DAY, LOW SEASON)

ESKOM MINIFLEX SOLAR PV ENERGY TARIFF COST ANALYSIS



SOLAR PV BLENDED R/kWh RATE SAVING

0,1380

0,0924

and Rural Network

0,1380

0,0924

0,1380 R 0,1380

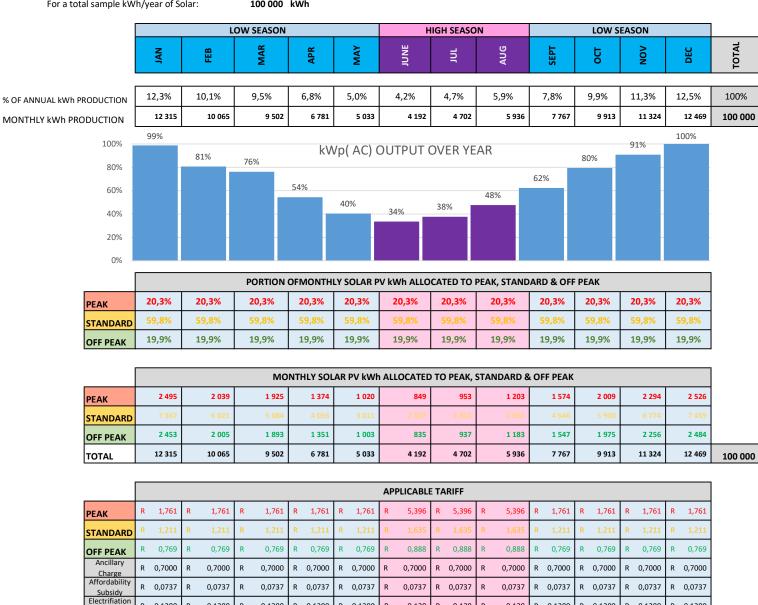
0,0924

0,0924

Solar energy is being produced when the cost of energy from the Supply Authority is typically in the Peak and Standard times. This calculation works out the blended R/kWh saving that a Solar PV plant would produce over a year taking into account the 'Low Seaon'& 'High Season' tariff changes and Time of Use rates between Weekdays & Weekends as well as the variation in energy production between Winter & Summer months.

For a total sample kWh/year of Solar:

100 000 kWh



| | | TOTAL COST (R) | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|----------------|---|----------|---|----------|-----|--------|---|----------|---|----------|-----|----------|---|----------|-----|--------|-----|--------|-----|----------|-----|----------|
| PEAK | R | 4 393 | R | 3 590 | R | 3 389 | R | 2 419 | R | 1 795 | R | 4 583 | R | 5 141 | R | 6 490 | R | 2 771 | R | 3 536 | R | 4 039 | R | 4 448 |
| STANDARD | R | 8 924 | R | 7 294 | R | 6 885 | R | 4 914 | R | 3 647 | R | 4 099 | R | 4 597 | R | 5 804 | R | 5 629 | R | 7 184 | R | 8 206 | R | 9 036 |
| OFF PEAK | R | 1 885 | R | 1 541 | R | 1 455 | R | 1 038 | R | 770 | R | 741 | R | 831 | R | 1 050 | R | 1 189 | R | 1 518 | R | 1 734 | R | 1 909 |
| Ancillary Charge | R | 8 620,42 | R | 7 045,44 | R | 6 651,11 | R 4 | 746,60 | R | 3 523,06 | R | 2 934,26 | R : | 3 291,41 | R | 4 155,47 | R 5 | 437,17 | R 6 | 939,42 | R 7 | 7 927,09 | R 8 | 3 728,54 |
| Subsidy | R | 907,61 | R | 741,78 | R | 700,27 | R | 499,75 | R | 370,93 | R | 308,94 | R | 346,54 | R | 437,51 | R | 572,46 | R | 730,62 | R | 834,61 | R | 918,99 |
| and Rural | R | 1 699 | R | 1 389 | R | 1 311 | R | 936 | R | 695 | R | 578 | R | 649 | R | 819 | R | 1 072 | R | 1 368 | R | 1 563 | R | 1 721 |

0,138

0,0924

0,138

0,0924

0,138

0,0924

0,1380

0,0924

0,1380

0,0924

0,1380

0,0924

0,1380

R 0,0924

0,1380

0,0924

ESKOM MINIFLEXSOLAR PV ENERGY TARIFF COST ANALYSIS



| TOTAL | F | R 27 341 | R | 22 345 | R | 21 095 | R 1! | 5 054 | R 11 | 1 174 | R | 13 554 | R 1 | 5 204 | R | 19 195 | R 1 | 7 245 | R 2 | 2 009 | R 2 | 5 142 | R 27 | 683 | R237 04 |
|---------|---|----------|---|--------|-----|--------|------|-------|------|-------|---|--------|-----|-------|---|--------|-----|-------|-----|-------|-----|-------|------|-----|---------|
| Charge | | | | | | | | | | | | | | | | | | | | | | | | | |
| Demand | F | R 911 | R | 745 | l R | 703 | R | 502 | R | 372 | R | 310 | l R | 348 | R | 439 | R | 575 | l R | 734 | R | 838 | R | 923 | |
| Network | | | | | | | | | | | | | | | | | | | | | | | | | I |

TOTAL COST (R) OF 100 000 kWh or energy is = R 237 041

TOTAL BLENDED COST (R) PER kWh is = R 2,37 /kWh





Solar PV Concept Report

GROWTHPOINT INDUSTRIAL

Growthpoint Industrial – Arterial Industrial Estate
Solar PV Concept & Feasibility Report



DATE: 05/10/2023

REVISION: 0

Client:

Growthpoint Properties 1 Sandton Dr Sandhurst Sandton 2196 South Africa



Electrical Consultant:

Anderson Consulting Engineers 150 Bryanston Drive Office Block 2, Ground Floor Bryanston, Sandton, RSA Tel: +27 (0)10 593 4470

Fax: 086 208 9467 www.aceng.co.za



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| 2. | SOLAR PV SIZING REVIEW | |
| 2.1 | LOAD CALCULATIONS | |
| 2.2 | SOLAR PV SIZING | |
| 2.3 | TARIFF FOR SITE | |
| | BUDGET & FEASIBILITY INFORMATION | |



1. EXECTUTIVE SUMMARY

This report provides the following for the **Arterial Industrial Estate** development in **Cape Town**:

- a) Solar System Sizing Review based off load calculations received
- b) Concept Solar PV design including energy simulation
- c) Blended tariff calculation
- d) Project Solar PV Budget

2. SOLAR PV SIZING REVIEW

The following section reviews the:

- a) Load calculations
- b) Solar PV Sizing for the site
- c) Tariff for the site

2.1 LOAD CALCULATIONS

The information received from the electrical consultant engineers (Sutherland) was an allowance of 85W/m2 for office areas and 60W/m2 for the warehouse areas.

Based on various warehouse and distribution park data the estimated operating load is assumed to be around 150kW daily with load loads expected over weekends and during the evenings.

The graphs below indicate what the load profile is assumed to look like.



Graph: Site Load Data for a year

Based on the load data received the following summary is provided:

a) Base load of approximately: 20 kW (Daily after working hours)

b) Peak load of: 155 kW c) Annual kWh Consumption: 463 123 kWh

d) The load profile indicates a typical weekday operation with smaller operations over weekends.



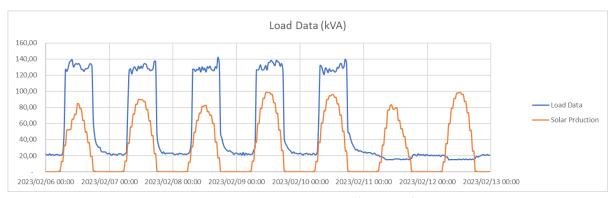
2.2 SOLAR PV SIZING

Based on the above load data, an estimated solar PV size of:

• 160kWp (DC) / 125kW (AC)

Has been recommended for the site. The size is based on commonly available inverter sizes to not only best fit the maximum daily demand but also limit overproduction.

Based on this size the following typically applies (example figure of a similar sized site):



Graph: Typical Week in February (Summer)



Graph: Typical Week in July (Winter):

The overproduced energy on industrial parks is generally found to be +- 15% when the system is sized for maximum consumption during the weekday. This based off a 5-day work week with little to no operations over 3 of 4 weekends in a month.



2.3 TARIFF FOR SITE

The tariff for the site is:

• Eskom Miniflex (>500V & < 66kV; >300km & < 600km assumed)

A conservative 9% electricity escalation has been included for 2024/2025 although Nersa has approved a 12,4% increase in tariffs for the same period.



3. BUDGET & FEASIBILITY INFORMATION



SOLAR PV - BUDGET SUMMARY

ARTERIAL INDUSTRIAL ESTATE - SOLAR PV **BUDGET REVISION:** DATE: 05-Oct-23 **BUDGET ROE:** R19,50/\$ R20,50 /EUR **BUDGET SOLAR PV SIZE:** 125 kW (AC) 160 kWp (DC) **SOLAR PV SYSTEM BUDGET:** COST: **TOTALS:** 1 Solar PV Budget R 12,9/Wp R 2 070 922,86 **SOLAR PV SYSTEM CONTINGENCIES:** 2 Solar PV Contingency 3,0% 62 127,69 R 3 Sub-Total R 62 127,69 **SOLAR PV PROFESSIONAL FEES:** 4 Electrical Engineering & Principal Agent Fee 6,00% R 124 255,37 5 Structural Engineers Fee R 6 Architects Fee R 7 Health & Safety Consultants Fee 2 m R 24 000,00 Allowance 8 Sub-Total R 148 255,37 **SOLAR PV ROOF STRUCTURAL REMEDIATIONS:** 9 Structural Remediation Allowance (PV Only): N/A R 150/m2 10 Roof Sheeting Painting Allowance (PV areas Only): R 0/m2 R N/A 11 Professional Fee's Incl 12 Sub-Total R **TOTAL: SOLAR PV PROJECT COST ESTIMATE:** R 14,3/Wp 2 281 305,91 R **SOLAR PV O&M (OPEX COST):** 13 Year 1: O&M & Yield Guarantee (included) 14 Year 2: O&M & Yield Guarantee R 20 154,83 6,1% 15 Year 3: O&M & Yield Guarantee 21 464,89

16 Sub-Total

R

6,1%

41 619,72

R



ARTERIAL INDUSTRIAL ESTATE - SOLAR PV

FINANCIAL SOLAR PV FEASIBILITY STUDY

REVISION:

a NPV at 5% Before Tax

b NPV at 7.5% Before Tax

c NPV at 10% Before Tax

DATE:

0

5,0%

7,5%

10,0%

2 788 594,15

1 856 495,34

1 184 906,43

2023/10/05

| | UNIT | AMOUNT | TOTAL | YEAR 0 2022 | YEAR 1 2023 | YEAR 2 2024 | YEAR 3 2025 | YEAR 4 2026 | YEAR 5 2027 | YEAR 6 2028 | YEAR 7 2029 | YEAR 8 2030 | YEAR 9 2031 | YEAR 10 2032 | YEAR 11 2033 | YEAR 12 2034 | YEAR 13 2035 | YEAR 14 2036 | YEAR 15 2037 | YEAR 16 2038 | YEAR 17 2039 | YEAR 18 2040 | YEAR 19 2041 | YEAR 20 2042 |
|--|------------|----------------|-----------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------------|
| 1 MACRO ECONOMIC ASSUMPTIONS | | | | 2022 | 2023 | 2024 | 2023 | 2020 | 2027 | 2020 | 2023 | 2030 | 2031 | 2032 | 2033 | 2034 | 2033 | 2030 | 2037 | 2038 | 2033 | 2040 | 2041 | 2042 |
| a CPI (SA) | % | | | | 5,5% | 5,5% | 5,5% | 5,5% | 5,5% | 5,5% | 5,5% | 5,5% | 5,5% | 5,5% | 5,5% | 5,5% | 5,5% | 5,5% | 5,5% | 5,5% | 5,5% | 5,5% | 5,5% | 5,5% |
| b CPI (SA) Multiplication | | | | 1 | 1,06 | 1,11 | 1,17 | 1,24 | 1,31 | 1,38 | 1,45 | 1,53 | 1,62 | 1,71 | 1,80 | 1,90 | 2,01 | 2,12 | 2,23 | 2,36 | 2,48 | 2,62 | 2,77 | 2,92 |
| c Labour Escalation | % | | | | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% |
| d Labour Multiplication | | | | 1 | 1,06 | 1,12 | 1,19 | 1,26 | 1,34 | 1,42 | 1,50 | 1,59 | 1,69 | 1,79 | 1,90 | 2,01 | 2,13 | 2,26 | 2,40 | 2,54 | 2,69 | 2,85 | 3,03 | 3,21 |
| e Electricity Price Escalation | % | | | | 9,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% | 6,0% |
| f Electricity Price (Blend as per Calc) | R/kWh | 2,370 | | 2,370 | 2,583 | 2,74 | 2,90 | 3,08 | 3,26 | 3,46 | 3,66 | 3,88 | 4,12 | 4,36 | 4,63 | 4,90 | 5,20 | 5,51 | 5,84 | 6,19 | 6,56 | 6,96 | 7,37 | 7,82 |
| g Electricity Demand Price | R/kVA | 42,60 | | 42,6 | 46,4 | 49 | 52 | 55 | 59 | 62 | 66 | 70 | 74 | 78 | 83 | 88 | 93 | 99 | 105 | 111 | 118 | 125 | 133 | 140 |
| h O&M Rate Price | R/kWp | 118 | | 118 | 125 | 133 | 141 | 149 | 158 | 168 | 178 | 189 | 200 | 212 | 225 | 238 | 252 | 267 | 283 | 300 | 318 | 338 | 358 | 379 |
| i Insurance Premium Price | R/kWp | 10 | | 10 | 10,55 | 11,13 | 11,74 | 12,39 | 13,07 | 13,79 | 14,55 | 15,35 | 16,19 | 17,08 | 18,02 | 19,01 | 20,06 | 21,16 | 22,32 | 23,55 | 24,85 | 26,21 | 27,66 | 29,18 |
| 2 TECHNICAL ASSUMPTIONS | | | | | | | | | | | | | | | | | | | | | | | | |
| a System Capacity | kWp (DC) | 160 | | Τ | 160,0 | 156,0 | 154,8 | 153,5 | 152,3 | 151,1 | 149,9 | 148,7 | 147,5 | 146,3 | 145,1 | 144,0 | 142,8 | 141,7 | 140,5 | 139,4 | 138,3 | 137,2 | 136,1 | 135,0 |
| b Specific Energy Yield | kWh/kWp/yr | 1380 | | | | | | | | | | | | | | | | | | | | | | |
| c Degradation Rate | %/yr | 0,8% | | | 2,50% | 0,80% | 0,80% | 0,80% | 0,80% | 0,80% | 0,80% | 0,80% | 0,80% | 0,80% | 0,80% | 0,80% | 0,80% | 0,80% | 0,80% | 0,80% | 0,80% | 0,80% | 0,80% | 0,80% |
| d Availability (Estimated downtime/Yr) | % | 85% | (Due to possible over production) | | 85% | 85% | 85% | 85% | 85% | 85% | 85% | 85% | 85% | 85% | 85% | 85% | 85% | 85% | 85% | 85% | 85% | 85% | 85% | 85% |
| e Energy Yield | kWh/yr | | 3 425 118 | | 187 680 | 182 988 | 181 524 | 180 072 | 178 631 | 177 202 | 175 785 | 174 378 | 172 983 | 171 599 | 170 227 | 168 865 | 167 514 | 166 174 | 164 844 | 163 526 | 162 217 | 160 920 | 159 632 | 158 355 |
| f Demand Saving (% of optimum estimated) | % | 5% | | | | | | | | | | | | | | | | | | | | | | |
| g Demand Saving | kVA/Month | | | | 8,0 | 7,8 | 7,7 | 7,7 | 7,6 | 7,6 | 7,5 | 7,4 | 7,4 | 7,3 | 7,3 | 7,2 | 7,1 | 7,1 | 7,0 | 7,0 | 6,9 | 6,9 | 6,8 | 6,8 |
| 3 NOMINAL VALUES | | | | | | | | | | | | | | | | | | | | | | | | |
| 3,1 Revenue / Savings | | | | | | | | | | | | | | | | | | | | | | | | |
| a Revenue / Generation (kWh) | R | | R 16 020 575,68 | | R 484 834 | R 501 076 | R 526 891 | R 554 037 | R 582 580 | R 612 595 | R 644 156 | R 677 343 | R 712 240 | R 748 934 | R 787 519 | R 828 092 | R 870 756 | R 915 617 | R 962 789 | R 1012392 | R 1 064 551 | R 1 119 396 | R 1 177 068 | R 1 237 710 |
| b Revenue / Savings (kVA) | R | | R 147 296,56 | | R 4458 | R 4 607 | R 4844 | R 5 094 | R 5 356 | R 5 632 | R 5 923 | R 6 228 | R 6 548 | R 6886 | R 7 241 | R 7614 | R 8 006 | R 8418 | R 8 852 | R 9 308 | R 9788 | R 10 292 | R 10 822 | R 11 380 |
| c Other Revenue | R | | R - | | | | | | | | | | | | | | | | | | | | | |
| 3,2 Operational Costs | | | | | | | | | | | | | | 1 | | | II. | - | | | <u> </u> | | | |
| a Operational & Maintenance Costs (O&M) | R | R 18 925 | R 696 157,01 | | R 18 925 | R 20 060 | R 21 264 | R 22 540 | R 23 892 | R 25 326 | R 26 845 | R 28 456 | R 30 163 | R 31 973 | R 33 891 | R 35 925 | R 38 080 | R 40 365 | R 42 787 | R 45 354 | R 48 075 | R 50 960 | R 54 018 | R 57 259 |
| b Insurance Premiums | R | R 1 600,00 | | | R 1600 | R 1688 | R 1 781 | R 1879 | R 1982 | R 2 091 | R 2 206 | R 2 327 | R 2 455 | R 2 591 | R 2 733 | R 2883 | R 3 042 | R 3 209 | R 3 386 | R 3 572 | R 3 768 | R 3 976 | R 4194 | R 4 425 |
| 3,3 Capital | | | - | | | | | | | | | | | | | | I | | | | | | | |
| a Project Capital (PV Only) | R | R 2 281 305,91 | R 2 281 305,91 | R 2 281 306 | | | | | | | | | | | | | | | | | | | | |
| b Solar PV Budget | R | R 239 537,12 | R 239 537,12 | | | | | | | | | | | | R 239 537 | | | | | | | | | |
| 4 CASHFLOW | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,1 Nominal Values | | | | | | | | | | | | | | | | | | | | | | | | |
| a Revenue (NOMINAL) | R | | R 16 167 872,25 | R - | R 489 291 | R 505 683 | R 531 735 | R 559 130 | R 587 937 | R 618 227 | R 650 078 | R 683 570 | R 718 788 | R 755 820 | R 794 760 | R 835 706 | R 878 761 | R 924 035 | R 971 642 | R 1 021 700 | R 1 074 338 | R 1 129 688 | R 1 187 890 | R 1 249 090 |
| b Total Cost (NOMINAL) | R | | R 3 272 789,36 | R 2 281 306 | R 20 525 | R 21 748 | R 23 045 | R 24 418 | R 25 874 | R 27 417 | R 29 051 | R 30 783 | R 32 619 | R 34 563 | R 276 161 | R 38 808 | R 41 122 | R 43 574 | R 46 173 | R 48 926 | R 51 844 | R 54 936 | R 58 212 | R 61 684 |
| c Cash Flow Before Tax (NOMINAL) | R | | R 12 895 082,89 | R -2 281 306 | R 468 767 | R 483 934 | R 508 691 | R 534 712 | R 562 063 | R 590 811 | R 621 027 | R 652 787 | R 686 169 | R 721 257 | R 518 598 | R 796 898 | R 837 639 | R 880 461 | R 925 469 | R 972 774 | R 1 022 495 | R 1 074 753 | R 1 129 678 | R 1 187 406 |
| d Cumulative (NOMINAL) | R | | | | R -1 812 539 | R -1 328 605 | R -819 914 | R -285 202 | R 276 861 | R 867 671 | R 1 488 699 | R 2 141 486 | R 2 827 655 | R 3 548 912 | R 4 067 510 | R 4 864 408 | R 5 702 047 | R 6 582 508 | R 7 507 977 | R 8 480 751 | R 9 503 246 | R 10 577 998 | R 11 707 677 | R 12 895 083 |
| 4,2 Real Values | | | • | | | | | | • | | | | | | | | | | | | | | | |
| a Revenue (REAL) | R | | R 8 844 546,44 | R - | R 463 783 | R 454 332 | R 452 833 | R 451 339 | R 449 851 | R 448 367 | R 446 888 | R 445 414 | R 443 945 | R 442 480 | R 441 021 | R 439 566 | R 438 116 | R 436 671 | R 435 230 | R 433 795 | R 432 364 | R 430 938 | R 429 516 | R 428 099 |
| b Total Cost (REAL) | R | | R 2 824 721,98 | R 2 281 306 | R 20 525 | R 153 446 | R 20 525 |
| c Cash Flow Before Tax (REAL) | R | | R 6 019 824,46 | R -2 281 306 | R 443 259 | R 433 807 | R 432 308 | R 430 815 | R 429 326 | R 427 842 | R 426 363 | R 424 889 | R 423 420 | R 421 955 | R 287 574 | R 419 041 | R 417 591 | R 416 146 | R 414 706 | R 413 270 | R 411 839 | R 410 413 | R 408 991 | R 407 575 |
| 5 VALUATION | | | | | | | | | | | | | | | | | | | | | | | | |
| 5,1 IRR (NOMINAL) | | | | | | | | | | | | | | | | | | | | | | | | |
| a IRR Before Tax | % | | 24,48% | 1ST YR YIELD = | 20,55% | | Payback Perio | od = | 4,87 Yrs |] | | | | | | | | | | | | | | |
| 5,2 IRR (REAL) | | | • | | | | | | | | | | | | | | | | | | | | | |
| a IRR Before Tax | % | | 17,96% | | | | | | | | | | | | | | | | | | | | | |
| 5,3 NPV (REAL) | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

Building NameTotal GLA (m2)Green Star ratingDate of certificationEPC rating36 Hans Strijdom12836NoneN/AG273 kWh/m²

36 Hans Strijdom - Targeted Post Redevelopment - 01 July 2025

36 Hans Strijdom 12836 5 Star tbc

Other key redevelopment interventions

- 1 Carbon emission related to the reuse of existing structure of the building
- 2 Displacement ventilation HVAC system with economy cycle and CO2 mo
- 3 High performance façade
- 4 Energy efficient lighting and occupancy sensing
- 5 Solar installation on roof
- 6 Comprehensive commissioning and building tuning
- 7 Comprehensive metering of energy and water
- 8 A project specific Environmental Management Plan will be implemented
- 9 70% of the construction waste will be diverted from landfill by means of
- 10 A dedicated space for recycling waste storage will be provided
- 11 The building will provide parking for fuel efficient / electric vehicles and 1
- 12 Concrete and steel will be specified with reduced embodied carbon
- 13 Refrigerants will have no Ozone Depleting Potential (ODP)
- 14 Smart monitoring systems

| Date of certification | Total emissions (tCO2) | CO2e intensity per m2 | Total Electricity (kwh) |
|----------------------------|---------------------------|------------------------------|-------------------------------|
| 26 January 2023 | 4052.91 | 0.32 | 3 895 211.00 |
| | | | |
| | | | |
| | | | |
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| | | | |
| | | | |
| | | | |
| | | | 1 540 320 |
| | | | 1 540 520 |
| | | | |
| | | | |
| | | | |
| g: 7672tCo2e. This equ | uals the emissions of ope | rations of a typical Green S | Star building of over 4.2 yea |
| nitoring | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| re-cycling or re-use | | | |
| 0 - 1 | | | |
| facilities for cyclists to | encourage use of alterna | tive transport | |
| | | | |
| | | | |

| Electricity Intensity (kwh/m2) | Total Water (kl) | Water Intensity (m3/m2) | Total Waste (kg) |
|--------------------------------|------------------|-------------------------|------------------|
| 303.46 | 2 040.00 | 0.16 | - |

120

expected to be similar to current

ars, which is calculated at 1848tCO2e.

Waste Intensity kg/m2

Energy Performance Cettificate:

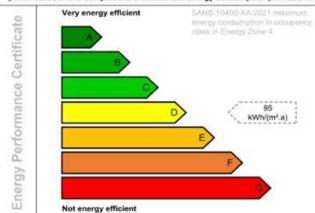


Energy Performance Certificate for Buildings

36 Hans Strijdom 36 Hans Strijdom Avenue Foreshore, Cape Town 8001 Western Cape

Certificate Number; EPC-SA 00019-2023

This certificate is issued in terms of SANS 1544:2014, Energy performance certificates for buildings, and indicates how much energy is being used to operate this building. The energy performance of the building is based on measured energy performance and is compared to the maximum energy consumption provided for in SANS 10400 XA:2021.



Not energy efficient

Building Information: Owner: Growthpoint Properties Occupancy class/es: G1 Number of floors: 6 Net floor area: 12836 Year of construction: Not Available Building plan approval: Not Available Occupancy certificate: Not Available Year of last major renovation: Not Available Energy zone: 4

Cadastral information: 155345

Administrative Information: Accredited body: Remote Metering Solutions (Pty)

Ltd

Accreditation nr: EPC0009 Assessor name: Claudia Hedley Date of issue: 2023-01-26

Valid until: 2028-01-25 Record nr: RMS_REC_7.4c_Final Certificate

(NN)_v06r00_36 Hans Strijdom

| Carrier | Туре | From (date) | To (date) | Energy [kWh] | Net Floor Area | Performance [kWh/m²] | Exclusions Performance [kWh/m²] |
|-------------|--------|-------------|------------|-----------------|----------------|-------------------------|---------------------------------------|
| Electricity | Grid | 2021-01-01 | 2021-12-31 | 3 393 684 | 12 836 | 263 | 2 |
| Liquid Fuel | Diesel | 2021-01-01 | 2021-12-31 | 135 747 | 12 836 | 10 | |
| | | | | | | | |







Carbon Emissions:

| | | | GHG Inventory (tCO | e) - for all Re | porting Sites | | |
|------------|-----------|---------|--|-----------------|---------------|-----------|-----------|
| 5. | = | Scopes | Category | FY19 | FY20 | FY22 | FY23 |
| Scope 1, 2 | Scope 1 & | Scope 2 | Purchased Electricity | | | 0.000 | 0.000 |
| 8.3 | 2 | | Total | | | 0.000 | 0.000 |
| | | Total | | | | 0.000 | 0.000 |
| | Scope 3 | Scope 3 | Downstream Leased Assets: Purchased Electricity | 4.052.440 | 3,972.559 | 4.069.752 | 4,051.020 |
| | | | Purchased Goods & Services: Water | 0.032 | 0.000 | 1.267 | 1.887 |
| | | | Total | 4.052.472 | 3,972.559 | 4,071.019 | 4,052,907 |
| | | Total | | 4,052,472 | 3.972.559 | 4,071.019 | 4.052.907 |
| | Total | | | 4,052,472 | 3,972.559 | 4,071.019 | 4,052,907 |
| Total | | | | 4,052,472 | 3,972.559 | 4,071.019 | 4.052.907 |

Electricity (Kwh):

| Asset List | | | | | | | |
|------------|------------|-------------|------------------------|---------------|-------------------|--------------------|--------------|
| Sector | Sub_Sector | REGION | Property Name | lle YTTTMAUD | Property Count | Reporting Props | Month Rep |
| Total | | | | 3,895,211 kWh | 1 | 1 | 1 |
| ⊕ Office | | ○ Cape Town | Total | 3,895,211 kWh | 1 | 1 | 1 |
| | | | ∃6 HANS STRUDOM (1878) | 3,895,211 kWh | 1 | 1 | |

Water (I):

| Asset List | | | | | | | |
|------------|---|--------|--|--------------|-------------------|--------------------|------------|
| Sector | Sub_Sector | REGION | Property Name | QUANTITY all | Property Count | Reporting Props | Mont Re |
| Total | | | The state of the s | 2,040 KL | 1 | 1 | |
| ○ Office | Office S High Rise - Investec S Cape Town | Total | 2,040 KL | 1 | 1 | | |
| | | | ☐ 36 HANS STRUDOM (1878) | 2,040 KL | 1 | 1 | |

Waste (kg):

| ns Data orted | GLA (m²) | GLA (Annualised) |
|------------------|----------|------------------|
| 2 | 12,836 | 154,032 |
| 12 | 12,836 | 154,032 |
| 2 | 12.836 | 154.032 |

| hs Data orted | GLA (m²) | GLA (Annualised) |
|------------------|----------|------------------|
| 12 | 12.836 | 154,032 |
| 12 | 12,836 | 154,032 |
| 12 | 12.836 | 154.032 |

Building Name Arterial Industrial Estate - Phase 1 Total GLA (m2) 36130

| Green Star rating | Date of certification | Total emissions (tCO2) |
|-----------------------------------|-----------------------|------------------------|
| 4 Star Custom Industrial - design | March 2024 - design | 330.53 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | • | |

| CO2e intensity per m2 | Total Electricity (kwh) | Electricity Intensity (kwh/m2) | Total Water (kl) |
|-----------------------|-------------------------|--------------------------------|------------------|
| 9.15 | 463 123.00 | 12.82 | 1 471 786 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| Water Intensity (m3/m2) | Total Waste (kg) | Waste Intensity kg/m2 |
|-------------------------|------------------|-----------------------|
| 0.04 | 39 562.35 | 1.10 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| Green | Building | Certification | • |
|-------|----------|---------------|---|
| | | | |

Carbon Emissions:

Load Renewable Grid Factor

kWh/m2/a offset kWh/m2/a kgCO2e/kWh kgCO2e/m2/a tCO2e/m2/a 12.8182397 5.1945751 7.62366454 1.2 9.148397454 330.5316

Electricity (Kwh):

kWh/a kWh/m2/a PV kWh/a PV kWh/m2/a 463123 12.8182397 187680 5.194575145 Area 36130

Water (I):
area people toilet/a taps /a litres/annum litres/m2/day irrigation area 36130 344 688000 132000 820000 22.70 500

Waste (kg):

Area factor kg/day kg/year kg/m2/yr 1.095 36130 0.30% 108.39 39562.35

mm/week litres/day irr litres/anr litres/year kL 25 1786 651786 1471786 0.040736