



Spatial Feature Report

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engineered solutions

Disclaimer

This document contains data that was obtained from a live CP3 system at the moment the data was requested. The data is updated by users of the CP3 System and unless the system is locked for changes, this data may change on a daily basis. The reader is therefore cautioned not to place inappropriate reliance on the data unless there is certainty on the status of the data in terms of how recently it has been updated, how “clean” the data is (is there a quality control and/or verification process that was followed by the licensee of the CP3 system to ensure that data is checked and verified from time-to-time) and whether the correct baseline was queried. This report therefore provides a “snapshot in time”. Consequently, the document may be less relevant at a different time, or using a different financial baseline to query from.

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Spatial Query Report

This document was created *2022-04-25-19\_02* from the **Midvaal Municipality** CP3 system.

The baseline **'2021/2022 Capital Budget\_20210601\_Annexure A'** with description: **'Final Capital Budget approved by Council on 20210527 Data Received from Finance'** was used. The spatial feature that was selected for the purpose of this report was: **'Wards'**.

This is a spatial feature report for the *Midvaal Municipality.* The data contained in this report was sourced directly from the municipality's live CP3 system. The information in this report therefore reflects the data as it was on the *2022-04-25* when this report was requested. Any subsequent updates to the data contained the CP3 System related to the applicable baseline from which this reports was drawn, would therefore not reflect in this report.   
  
For the *Midvaal Municipality, the following spatial features are available for the purpose of developing* 'Spatial Query Reports' (similar to this report):

* Economic Study Catalytic Nodes (5nodes)
* Midvaal 5 EDCs
* Midvaal Township Boundaries
* Wards



We hope you find this useful! Sincerely, *The Novus3 Team.*

# Introduction

The baseline that was queried for this report contains *196* projects of which a total of *14 (7.14%)* projects do not have any recorded intersection (overlap) with Wards.The following spatial features are available for queries using this API profile:

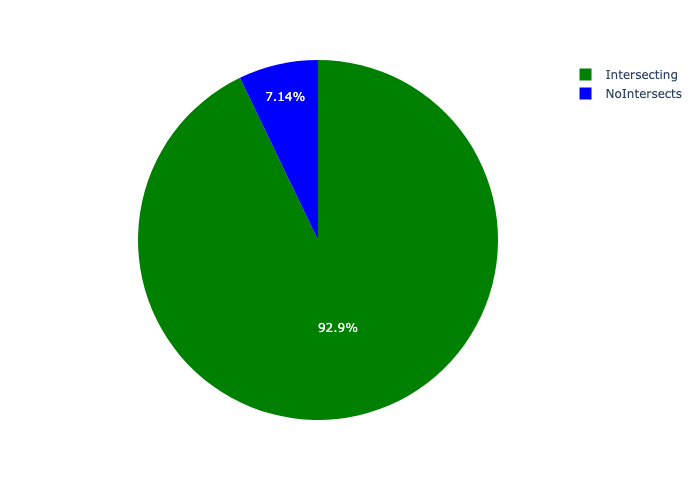
* Economic Study Catalytic Nodes (5nodes)
* Midvaal 5 EDCs
* Midvaal Township Boundaries
* Wards

The probable reasons for the 14 non intersecting projects reported are that:

* these projects simply do not have a location associated with them yet (most frequently the case with 'no-intersect' projects) or;
* the location that was captured for some of these projects, may have been in the wrong place (e.g. outside the boundaries of Midvaal - this is very rarely the reason).

It is important to take note of the 7.14% projects that do not intersect with Wards feature when appraising this report.

Figure 1: Intersecting vs Non-Intersecting Projects



# Total Number of Projects and Total Capital Demand per Ward - All Years

Table 1.1 below provides a concise summary of key statistical insights regarding the number of projects that are requesting funding in each of the Wards.

Table 1.1: Wards Analysis - Number of Projects

|  |  |  |  |
| --- | --- | --- | --- |
| Description | Info (1) | Info (2) | Info (3) |
| Number of projects in all Wards - Overview | Total in all Wards: 182 projects | Average per Wards: 12.1 projects | 75th percentile of projects across all Wards: 19.0 projects |
| The highest number of projects | Wards: In Ward 10 | Number of projects in Ward 10: 28 | Percentage of total in Ward 10: 15.38% |
| The lowest number of projects: | Wards: In Ward 07 | Number of projects in Ward 07: 3 | Percentage of total in Ward 07: 1.65% |
| The 5 Wards that collectively have with the highest number of projects | Wards: In Ward 01, Ward 05, Ward 11, Ward 09 and Ward 10 | Number of projects in Ward 01, Ward 05, Ward 11, Ward 09 and Ward 10 together: 114 | Percentage of total in Ward 01, Ward 05, Ward 11, Ward 09 and Ward 10 together: 62.64% |

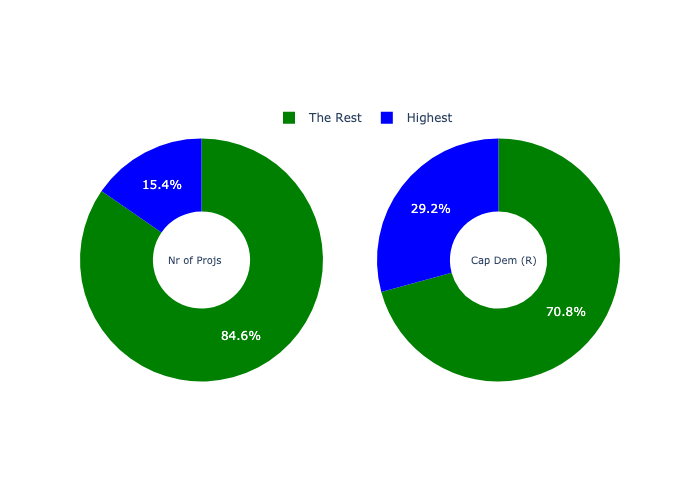
Table 1.2 below provides a concise summary of key statistical insights regarding the total capital demand per Ward.

Table 1.2: Wards Analysis - Capital Demand (R)

|  |  |  |  |
| --- | --- | --- | --- |
| Description | Info (1) | Info (2) | Info (3) |
| Capital demand in all Wards - Overview | Total capital demand in all Wards: R128,585,987 | The average capital demand per Wards: R8,572,399 | The 75th percentile of capital demand for Wards: R11,934,853 |
| The highest capital demand | Wards: In Ward 08 | Capital Demand in Ward 08: R37,583,660 | Percentage of total in Ward 08: 29.23% |
| The lowest capital demand | Wards: In Ward 07 | Capital Demand in Ward 07: R3,380 | Percentage of total in Ward 07: 0.00% |
| The 5 Wards that collectively have collective the highest capital demand: | Wards: In Ward 11, Ward 14, Ward 05, Ward 06 and Ward 08 | Capital Demand in Ward 11, Ward 14, Ward 05, Ward 06 and Ward 08 together: R107,730,055 | Percentage of total in Ward 11, Ward 14, Ward 05, Ward 06 and Ward 08 together: 83.78% |

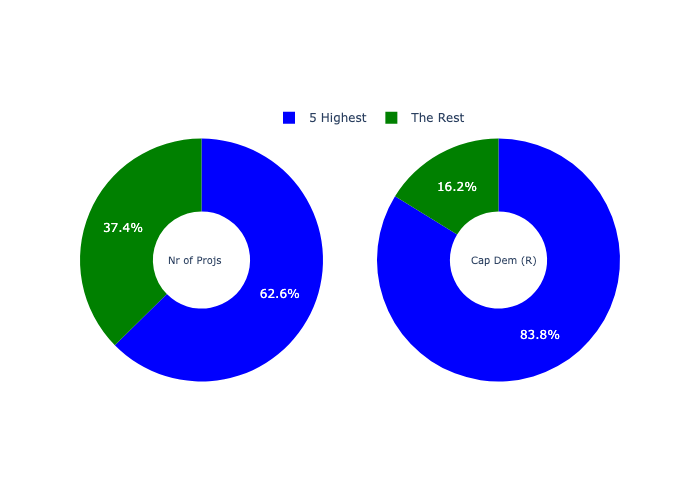
The number of projects per Ward and the capital demand per Ward needs to be looked at together for better insight. Figures 2.1 and 2.2 assist with further graphical insight into some of the numbers that are provided in Tables 1.1 and 1.2.

Figure 2.1: The single Ward with the highest value (Nr of Projects & Capital Demand) vs the rest



The highest number of projects in a single Ward is in **Ward 10.** *That is 28 projects and this is 15.38% of the total number of projects.*The highest capital demand in a single Ward is in **Ward 08.** *That is R37,583,660 and this amounts to 29.23% of the total capital demand.*

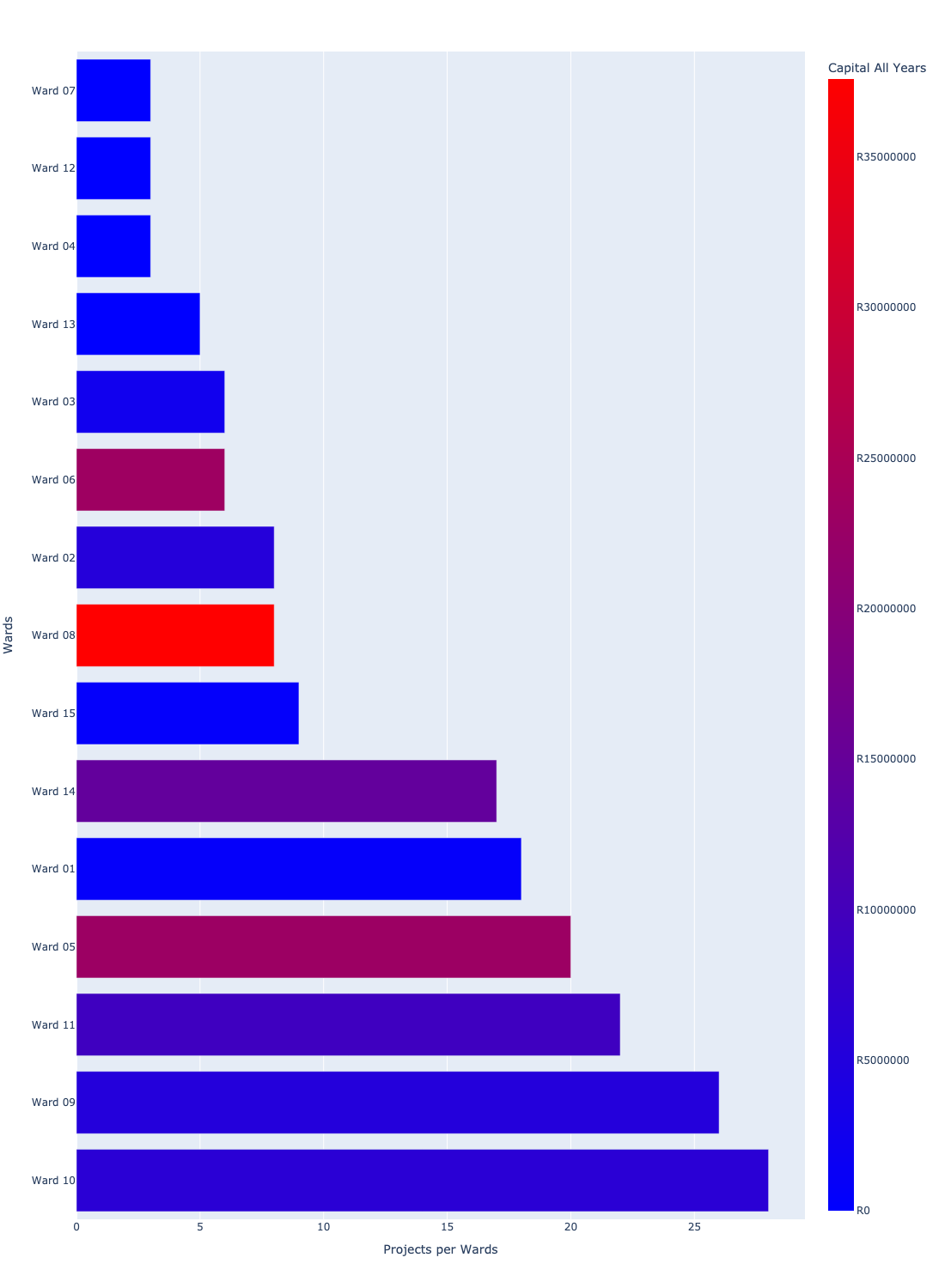
Figure 2.2: The 5 Wards with the highest values (Nr of Projects & Capital Demand) vs the rest



The 5 Wards that collectively have with the highest number of projects are in **Ward 01, Ward 05, Ward 11, Ward 09 and Ward 10.** *That is 114 projects and this is 62.64% of the total number of projects.*The 5 Wards that collectively have the highest capital demand are in **Ward 11, Ward 14, Ward 05, Ward 06 and Ward 08.** *That is 83.78% and this amounts to R107,730,055 of the total capital demand.*

The following figures provide a bar graph representation of the number of projects per Ward with the colour of the bars representing the level of capital demand in each of these Wards.

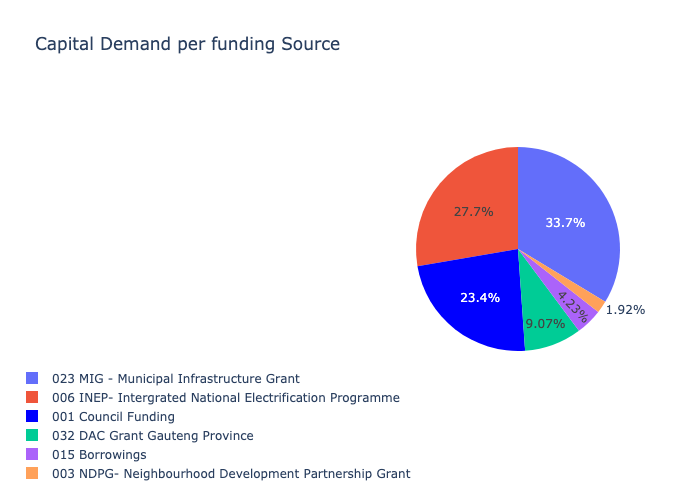
Figure 3.1: Projects and Capital Demand per Ward (1/1)



# Total Capital Demand per Ward - All Years

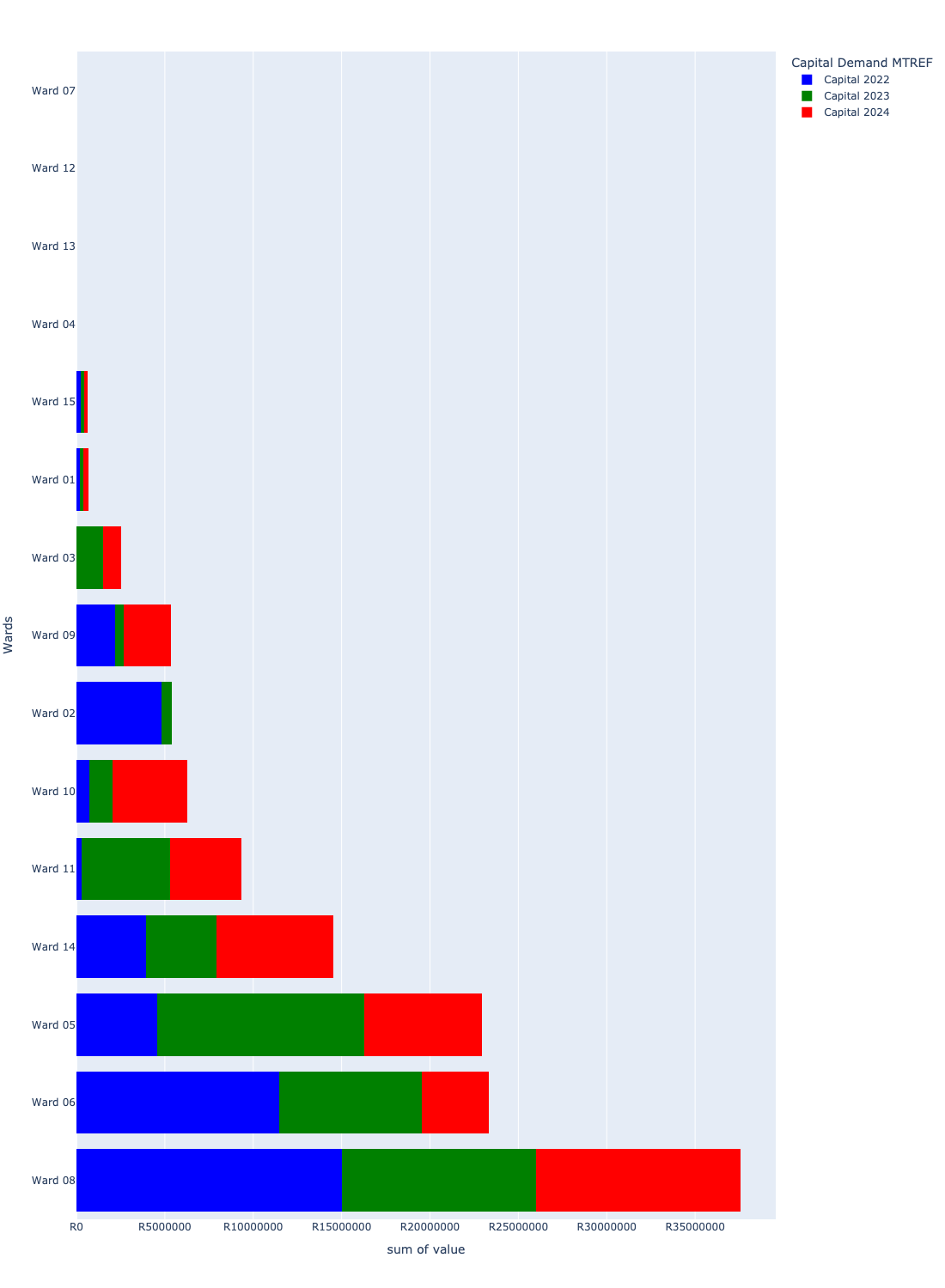
There are different funding sources from which capital is requested. For the financial baseline that was selected for this report query (2021/2022 Capital Budget\_20210601\_Annexure A), the breakdown of capital demand for Midvaal Municipality per funding source is shown in Figure 4 below.

Figure 4: Capital Demand Per Funding Source



The following figures provide a histogram representation of the capital demand per Ward. A colour breakdown is provided of each year's sub-total that contribute towards the overall total capital demand of each Ward. Note that the capital demand beyond the first three years representing the Medium Term Expenditure Framework (MTREF - years 2022, 2023 and 2024) are generally more sparsely and less diligently populated, therefore less reliance should be vested on these outer years when appraising the overall capital demand. The reason for this is usually because of National Treasury's requirement for annual budget submissions spanning only over the MTREF (i.e. the next three years).

Figure 5.1: Capital Demand per Ward - All Years (1/1)



# Total Capital Demand per Ward - MTREF only

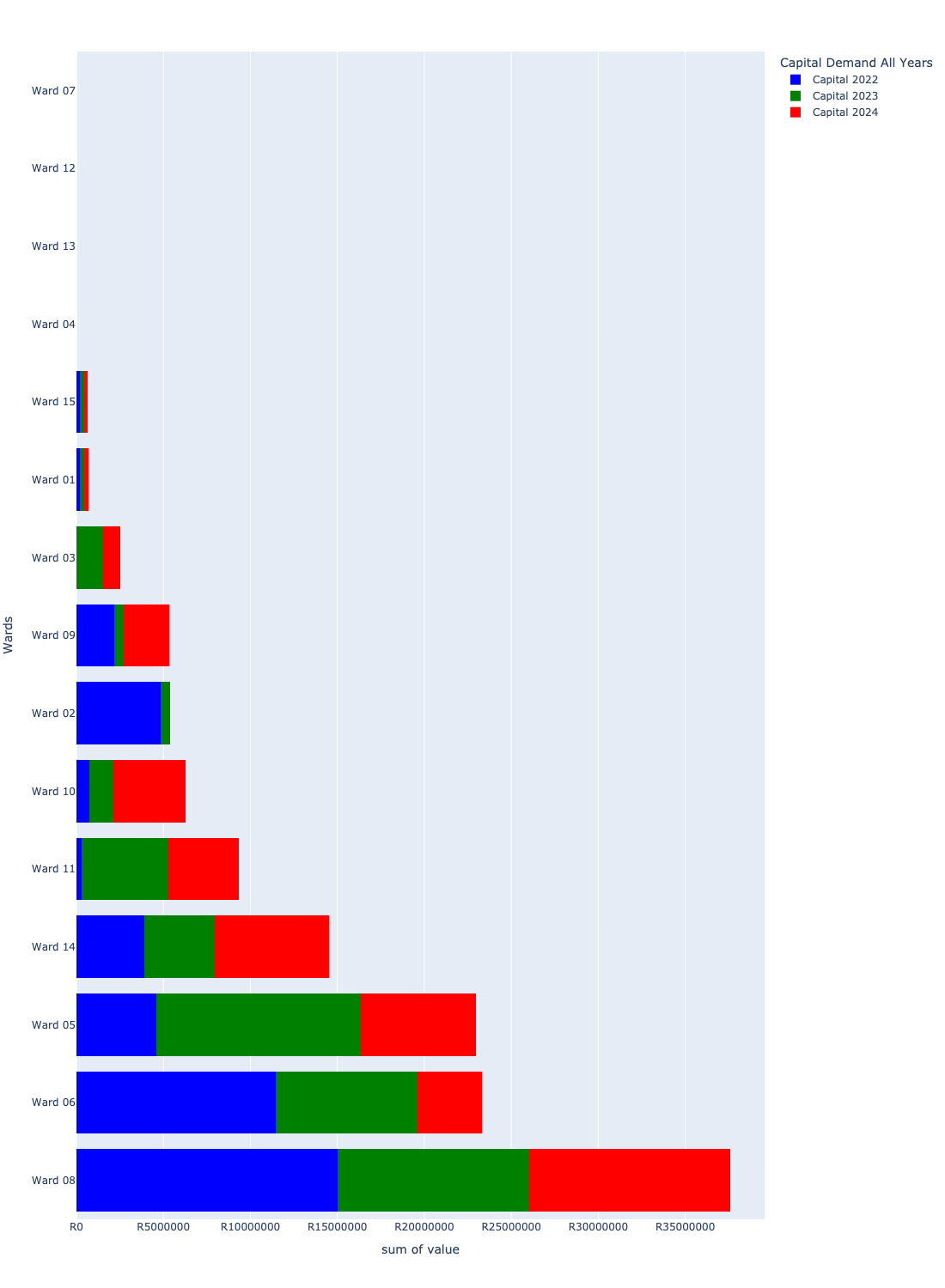
Table 2 below provides a concise summary of key statistical insights regarding the total MTREF capital demand per Ward.

Table 2: Wards Analysis - MTREF Capital Demand (R)

|  |  |  |  |
| --- | --- | --- | --- |
| Description | Info (1) | Info (2) | Info (3) |
| MTREF Capital demand in all Wards - Overview | MTREF capital demand in all Wards: R128,585,987 | The average MTREF capital demand per Ward: R8,572,399 | The 75th percentile of MTREF capital demand for Wards: R11,934,853 |
| The highest MTREF capital demand | In Ward: Ward 08 | MTREF capital Demand in Ward 08: R37,583,660 | Percentage of total MRTEF capital demand in Ward 08: 29.23% |
| The lowest MTREF capital demand | In Ward: Ward 07 | MTREF capital Demand in Ward 07: R3,380 | Percentage of total MTREF capital demand in Ward 07: 0.00% |

The following figures provide a histogram representation of the capital demand per Ward. A colour breakdown is provided of each year's sub-total that contribute towards the overall MTREF total capital demand of each Ward.

Figure 6.1: Capital Demand per Ward - MTREF Period (1/1)



# Summary per Ward

## Ward 01

Table 3: Ward 01 Summary

|  |  |
| --- | --- |
| Item | Description |
| Number of Projects |  |

## Ward 02

Table 4: Ward 02 Summary

|  |  |
| --- | --- |
| Item | Description |
| Number of Projects |  |

## Ward 03

Table 5: Ward 03 Summary

|  |  |
| --- | --- |
| Item | Description |
| Number of Projects |  |

## Ward 04

Table 6: Ward 04 Summary

|  |  |
| --- | --- |
| Item | Description |
| Number of Projects |  |

## Ward 05

Table 7: Ward 05 Summary

|  |  |
| --- | --- |
| Item | Description |
| Number of Projects |  |

## Ward 06

Table 8: Ward 06 Summary

|  |  |
| --- | --- |
| Item | Description |
| Number of Projects |  |

## Ward 07

Table 9: Ward 07 Summary

|  |  |
| --- | --- |
| Item | Description |
| Number of Projects |  |

## Ward 08

Table 10: Ward 08 Summary

|  |  |
| --- | --- |
| Item | Description |
| Number of Projects |  |

## Ward 09

Table 11: Ward 09 Summary

|  |  |
| --- | --- |
| Item | Description |
| Number of Projects |  |

## Ward 10

Table 12: Ward 10 Summary

|  |  |
| --- | --- |
| Item | Description |
| Number of Projects |  |

## Ward 11

Table 13: Ward 11 Summary

|  |  |
| --- | --- |
| Item | Description |
| Number of Projects |  |

## Ward 12

Table 14: Ward 12 Summary

|  |  |
| --- | --- |
| Item | Description |
| Number of Projects |  |

## Ward 13

Table 15: Ward 13 Summary

|  |  |
| --- | --- |
| Item | Description |
| Number of Projects |  |

## Ward 14

Table 16: Ward 14 Summary

|  |  |
| --- | --- |
| Item | Description |
| Number of Projects |  |

## Ward 15

Table 17: Ward 15 Summary

|  |  |
| --- | --- |
| Item | Description |
| Number of Projects |  |