



Spatial Feature Report

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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: Wards 2020

This document was created *2022-04-22-23\_06* from the **City of Johannesburg Metropolitan Municipality** CP3 system by the following user: *'Bernard'.*

The baseline **'2022/2023\_MTREF Planning Capture Baseline\_20210823'** with description: **' 2021/2022\_MTREF Rollover + Planning Baseline\_20210307 duplicate + 2022/22 budget planning'** was used. The spatial feature that was selected for the purpose of this report was: **'Wards 2020'**.

This is a spatial feature report for the *City of Johannesburg Metropolitan 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 *2022-04-22* 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 *City of Johannesburg Metropolitan Municipality, the following spatial features are available for the purpose of developing* 'Spatial Query Reports' (similar to this report):

* \_Deprivation Areas\_
* \_Informal Settlements\_
* \_Inner City Node\_
* \_Pro Poor\_
* \_Regions\_
* \_Strategically Targeted Areas\_
* \_Urban Development Zones\_
* \_Wards 2020\_



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

# Introduction

The baseline that was queried for this report contains *3095* projects of which a total of *40 (1.29%)* projects do not have any recorded intersection (overlap) with Wards 2020.The following spatial features are available for queries using this API profile:

* \_Deprivation Areas\_
* \_Informal Settlements\_
* \_Inner City Node\_
* \_Pro Poor\_
* \_Regions\_
* \_Strategically Targeted Areas\_
* \_Urban Development Zones\_
* \_Wards 2020\_

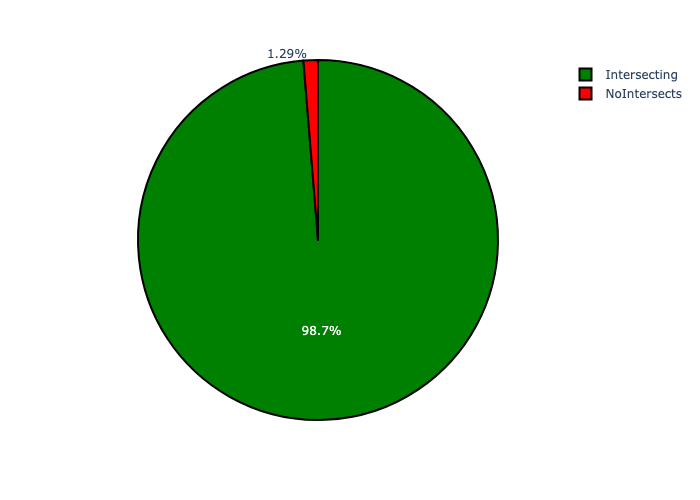
The probable reasons for the 40 non intersecting projects reported are that:

* 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 Joburg - this is very rarely the reason).

It is important to take note of the 1.29% projects that do not intersect with Wards 2020 feature when appraising this report.

The 1.29% of non-intersecting projects is a relative low percentage and therefore not much cause of concern for this particular report.

Figure 1: Intersecting vs Non-Intersecting Projects



# Wards 2020 Analysis

## Total Number of Projects and Total Capital Demand per Wards 2020 - 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 2020.

Table 1.1: Wards 2020 Analysis - Number of Projects

|  |  |  |  |
| --- | --- | --- | --- |
| Description | Info (1) | Info (2) | Info (3) |
| Number of projects in all Wards 2020 - Overview | Total in all Wards 2020: 3055 projects | Average per Wards 2020: 22.6 projects | 75th percentile of projects across all Wards 2020: 28.5 projects |
| The highest number of projects | Wards 2020: In 124 | Number of projects in 124: 118 | Percentage of total in 124: 3.86% |
| The lowest number of projects: | Wards 2020: In 50 | Number of projects in 50: 2 | Percentage of total in 50: 0.07% |
| The 5 Wards 2020 that collectively have with the highest number of projects | Wards 2020: In 84, 117, 57, 60 and 124 | Number of projects in 84, 117, 57, 60 and 124 together: 456 | Percentage of total in 84, 117, 57, 60 and 124 together: 14.93% |

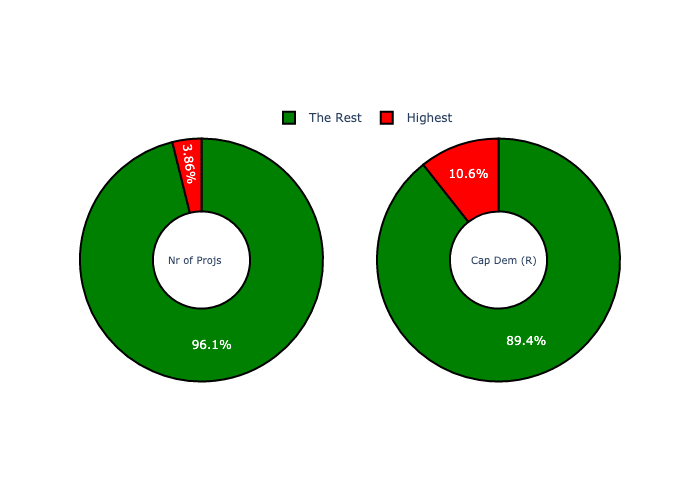
Table 1.2 below provides a concise summary of key statistical insights regarding the total capital demand per Wards 2020.

Table 1.2: Wards 2020 Analysis - Capital Demand (R)

|  |  |  |  |
| --- | --- | --- | --- |
| Description | Info (1) | Info (2) | Info (3) |
| Capital demand in all Wards 2020 - Overview | Total capital demand in all Wards 2020: R10,811,044,506 | The average capital demand per Wards 2020: R80,081,811 | The 75th percentile of capital demand for Wards 2020: R115,601,468 |
| The highest capital demand | Wards 2020: In 91 | Capital Demand in 91: R1,149,512,495 | Percentage of total in 91: 10.63% |
| The lowest capital demand | Wards 2020: In 50 | Capital Demand in 50: R0 | Percentage of total in 50: 0.00% |
| The 5 Wards 2020 that collectively have collective the highest capital demand: | Wards 2020: In 131, 124, 60, 96 and 91 | Capital Demand in 131, 124, 60, 96 and 91 together: R2,805,268,881 | Percentage of total in 131, 124, 60, 96 and 91 together: 25.95% |

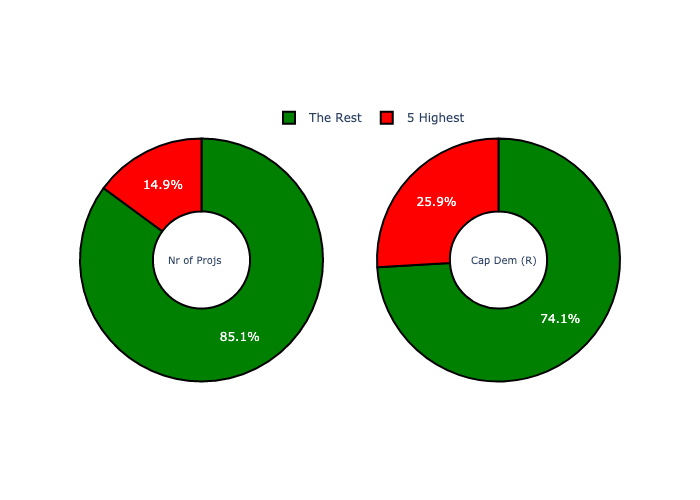
The number of projects per Wards 2020 and the capital demand per Wards 2020 needs to be looked at together for better insight. Figures 2.1 and 2.2 assist with further graphical insight into some of the numbers that are provided in Tables 1.1 and 1.2.

Figure 2.1: The single Wards 2020 with the highest value (Nr of Projects & Capital Demand) vs the rest



The highest number of projects in a single Wards 2020 is in **124.** *That is 118 projects and this is 3.86% of the total number of projects.*The highest capital demand in a single Wards 2020 is in **91.** *That is R1,149,512,495 and this amounts to 10.63% of the total capital demand.*

Figure 2.2: The 5 Wards 2020 with the highest values (Nr of Projects & Capital Demand) vs the rest



The 5 Wards 2020 that collectively have with the highest number of projects are in **84, 117, 57, 60 and 124.** *That is 456 projects and this is 14.93% of the total number of projects.*The 5 Wards 2020 that collectively have the highest capital demand are in **131, 124, 60, 96 and 91.** *That is 25.95% and this amounts to R2,805,268,881 of the total capital demand.*

The following figures provide a bar graph representation of the number of projects per Wards 2020 with the colour of the bars representing the level of capital demand in each of these Wards 2020.

Figure 3.1: Projects and Capital Demand per Wards 2020 (1/3)

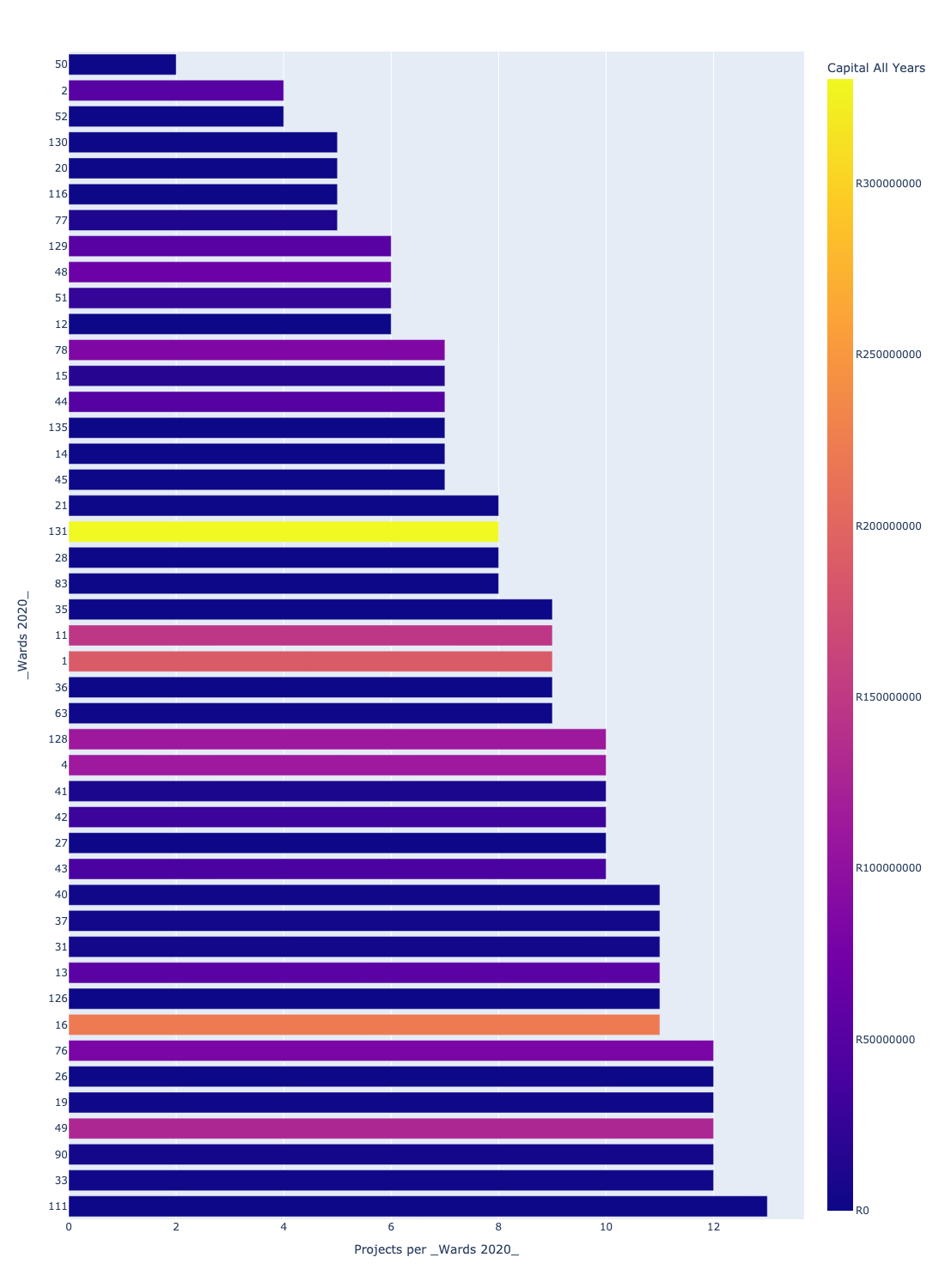


Figure 3.2: Projects and Capital Demand per Wards 2020 (2/3)

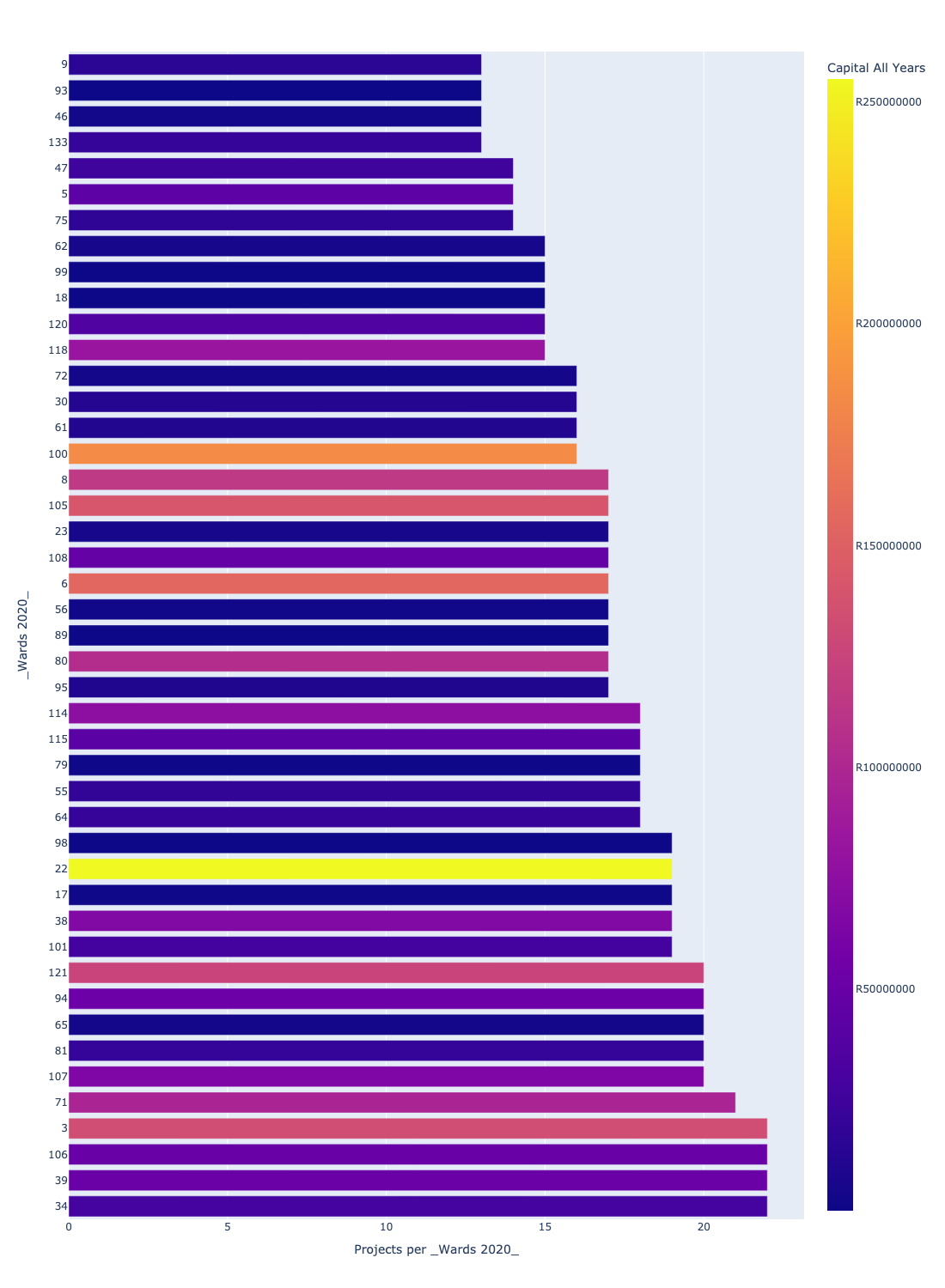
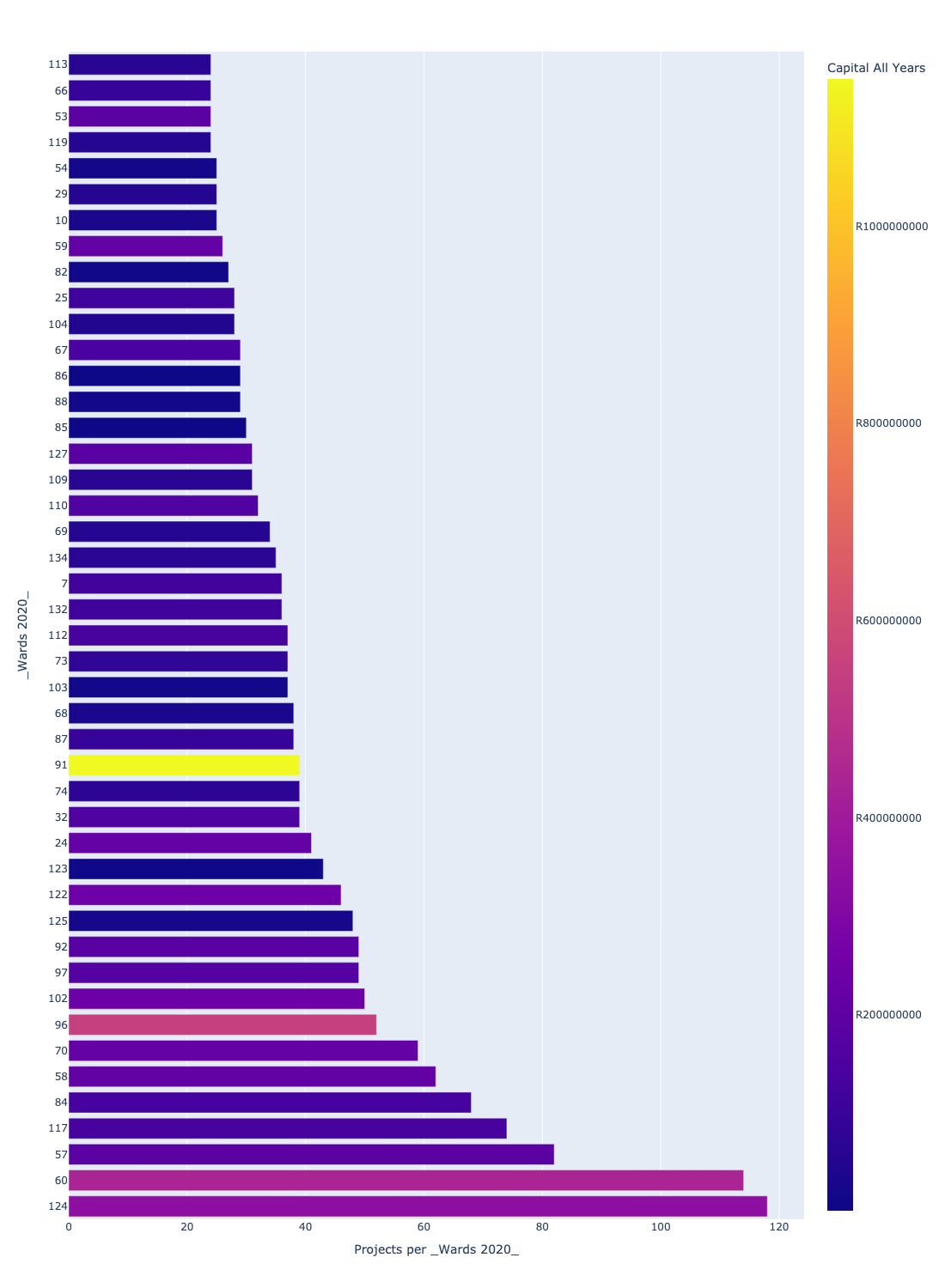


Figure 3.3: Projects and Capital Demand per Wards 2020 (3/3)



The following figures provide a histogram representation of the capital demand per Wards 2020. A colour breakdown is provided of each year's sub-total that contribute towards the overall total capital demand of each Wards 2020.

Figure 4.1: Capital Demand per Wards 2020 - All Years (1/3)

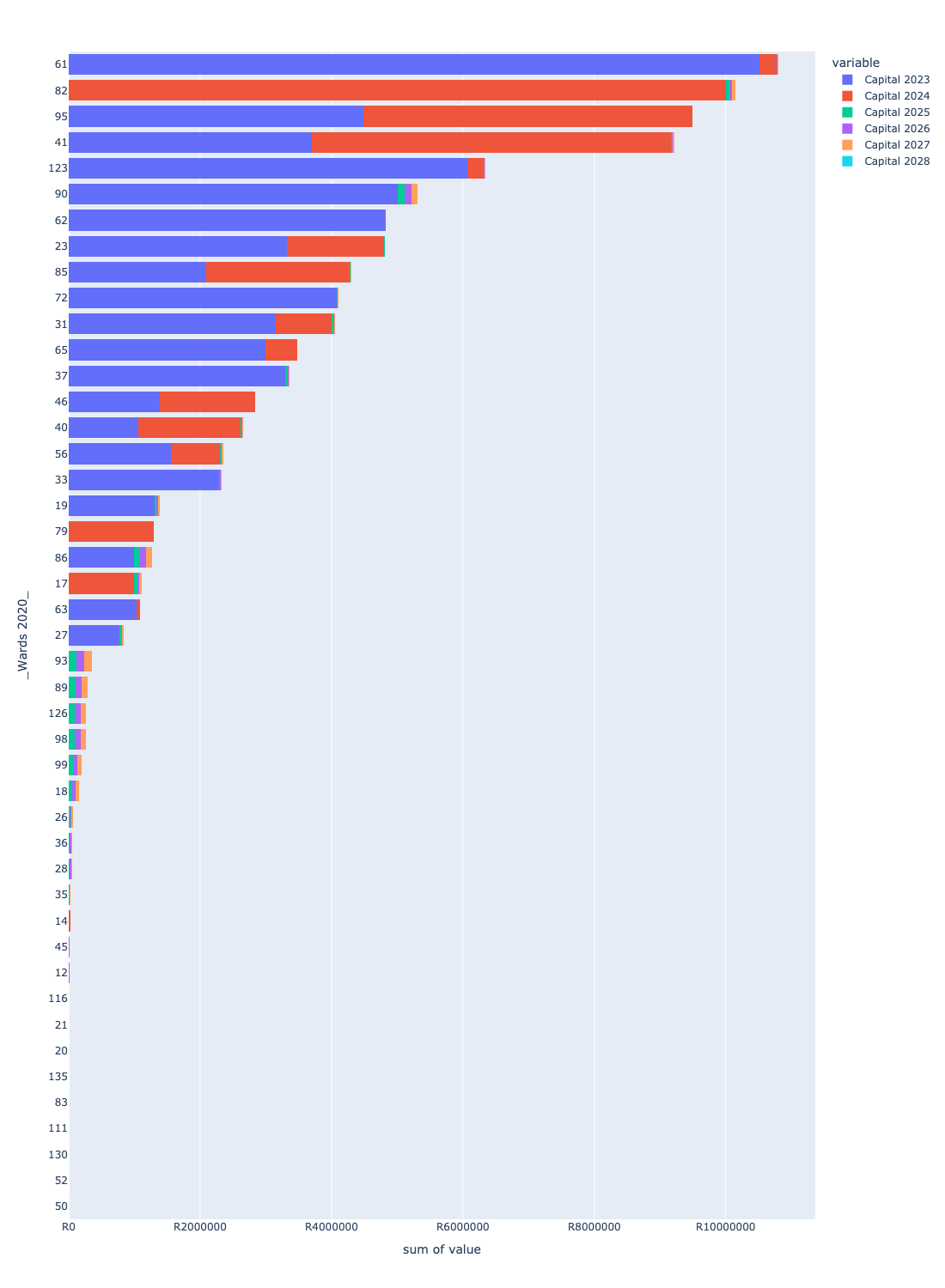


Figure 4.2: Capital Demand per Wards 2020 - All Years (2/3)

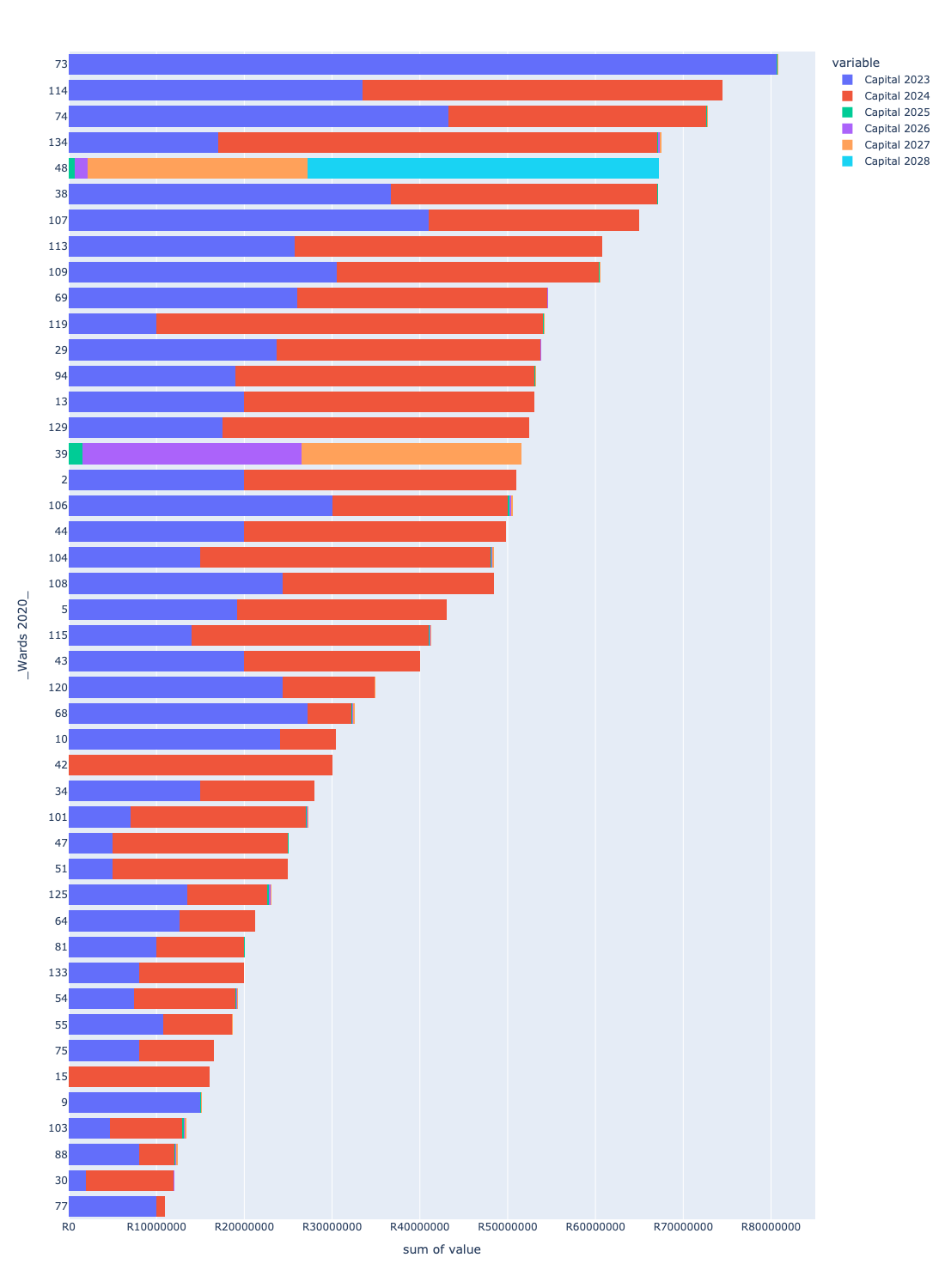
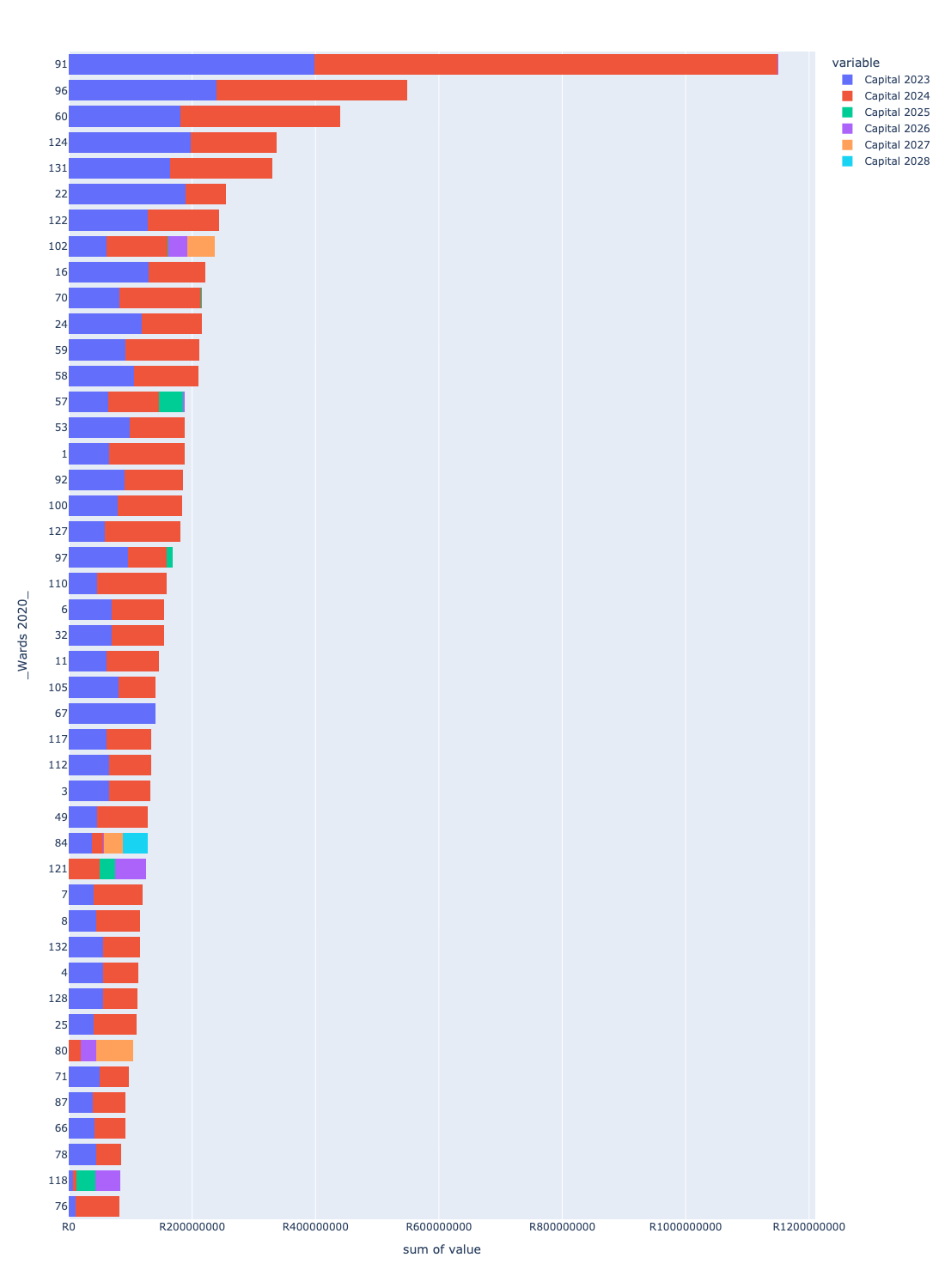


Figure 4.3: Capital Demand per Wards 2020 - All Years (3/3)



## Total Capital Demand per Wards 2020 - MTREF only

The following figures provide a histogram representation of the capital demand per Wards 2020. A colour breakdown is provided of each year's sub-total that contribute towards the overall MTREF total capital demand of each Wards 2020.

Figure 5.1: Capital Demand per Wards 2020 - MTREF Period (1/3)

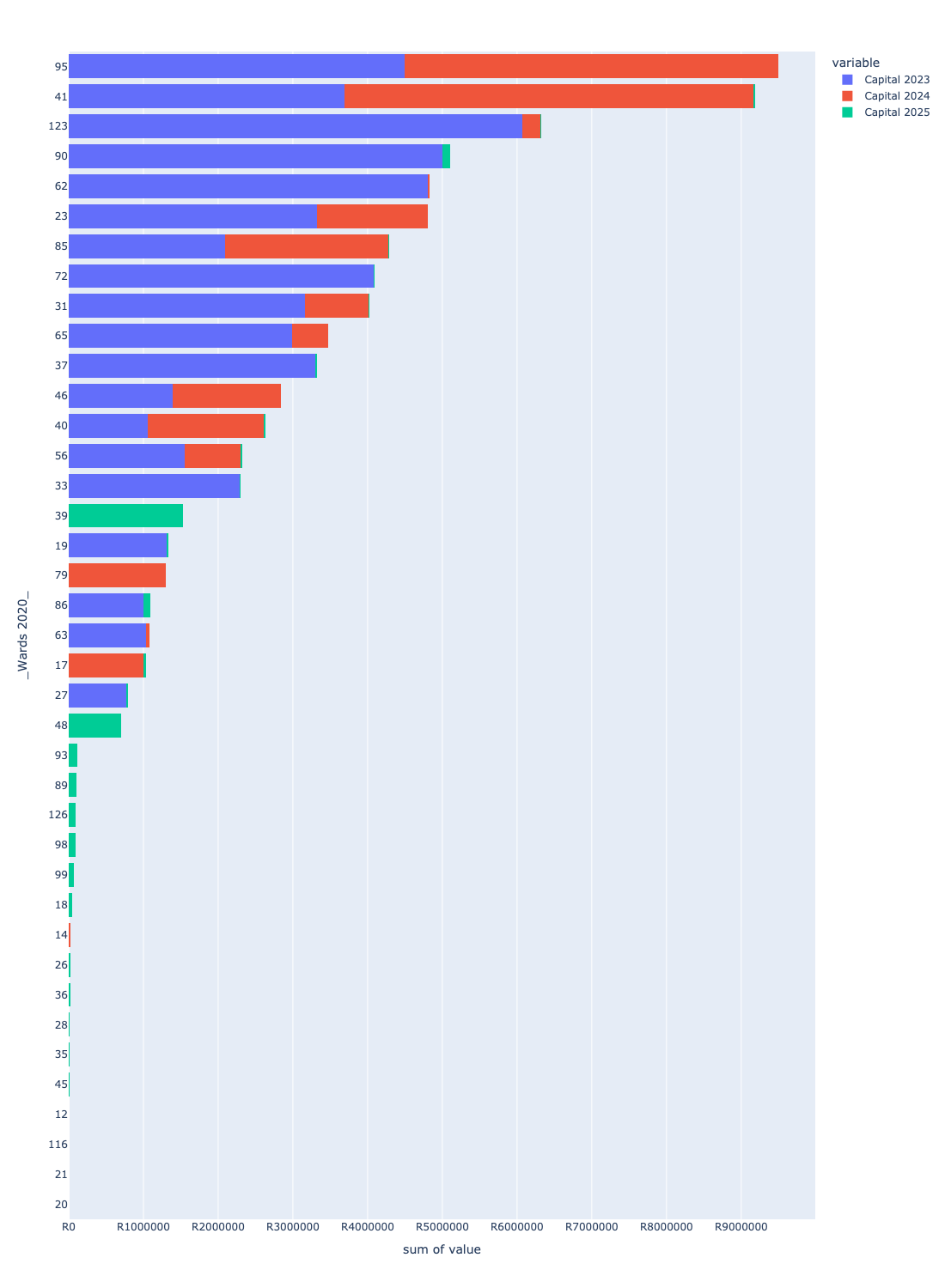


Figure 5.2: Capital Demand per Wards 2020 - MTREF Period (2/3)

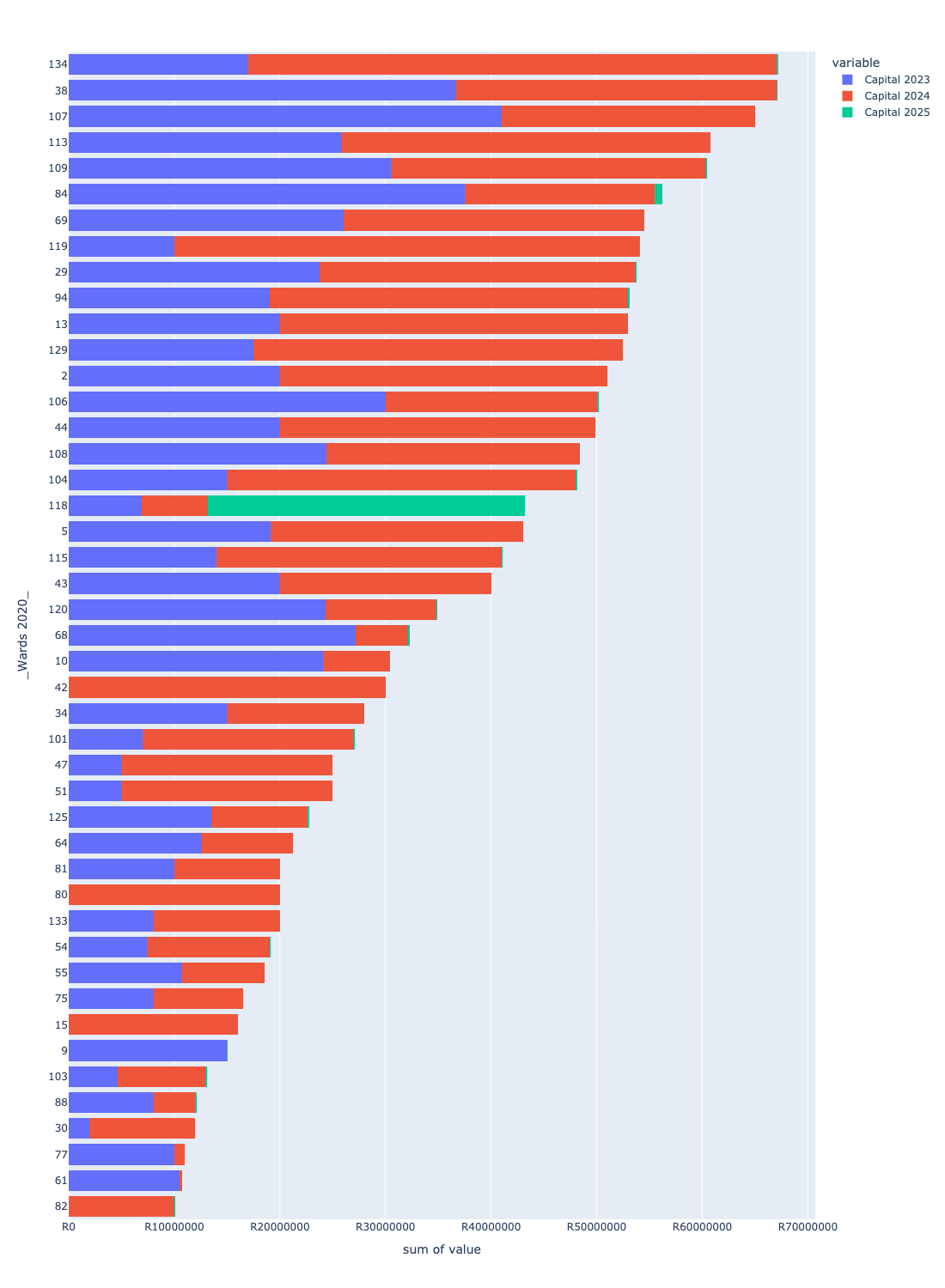


Figure 5.3: Capital Demand per Wards 2020 - MTREF Period (3/3)

