



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 *2022-04-25-18\_59* from the **City of Johannesburg Metropolitan Municipality** CP3 system.

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: **'Urban Development Zones'**.

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 *2022-04-25* 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 *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 *2477* projects of which a total of *38 (1.53%)* projects do not have any recorded intersection (overlap) with Urban Development Zones.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

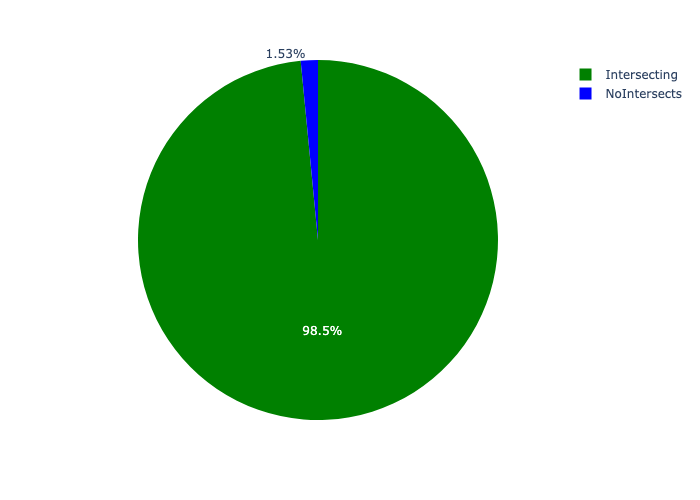
The probable reasons for the 38 non intersecting projects reported are that:

* 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 1.53% projects that do not intersect with Urban Development Zones feature when appraising this report.

The 1.53% 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



# Total Number of Projects and Total Capital Demand per Urban Development Zone - 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 Urban Development Zones.

Table 1.1: Urban Development Zones Analysis - Number of Projects

|  |  |  |  |
| --- | --- | --- | --- |
| Description | Info (1) | Info (2) | Info (3) |
| Number of projects in all Urban Development Zones - Overview | Total in all Urban Development Zones: 2439 projects | Average per Urban Development Zones: 813 projects | 75th percentile of projects across all Urban Development Zones: 1174.5 projects |
| The highest number of projects | Urban Development Zones: In Orange Consolidation Zone | Number of projects in Orange Consolidation Zone: 1451 | Percentage of total in Orange Consolidation Zone: 59.49% |
| The lowest number of projects: | Urban Development Zones: In Green Ecological Resource Zone | Number of projects in Green Ecological Resource Zone: 90 | Percentage of total in Green Ecological Resource Zone: 3.69% |

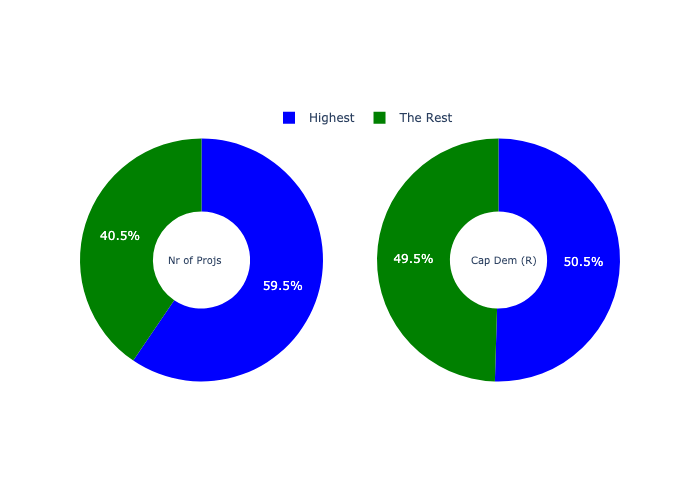
Table 1.2 below provides a concise summary of key statistical insights regarding the total capital demand per Urban Development Zone.

Table 1.2: Urban Development Zones Analysis - Capital Demand (R)

|  |  |  |  |
| --- | --- | --- | --- |
| Description | Info (1) | Info (2) | Info (3) |
| Capital demand in all Urban Development Zones - Overview | Total capital demand in all Urban Development Zones: R10,811,139,993 | The average capital demand per Urban Development Zones: R3,603,713,331 | The 75th percentile of capital demand for Urban Development Zones: R5,074,528,100 |
| The highest capital demand | Urban Development Zones: In Orange Consolidation Zone | Capital Demand in Orange Consolidation Zone: R5,456,788,937 | Percentage of total in Orange Consolidation Zone: 50.47% |
| The lowest capital demand | Urban Development Zones: In Green Ecological Resource Zone | Capital Demand in Green Ecological Resource Zone: R662,083,794 | Percentage of total in Green Ecological Resource Zone: 6.12% |

The number of projects per Urban Development Zone and the capital demand per Urban Development Zone needs to be looked at together for better insight. Figure 2 assists with further graphical insight into some of the numbers that are provided in Tables 1.1 and 1.2.

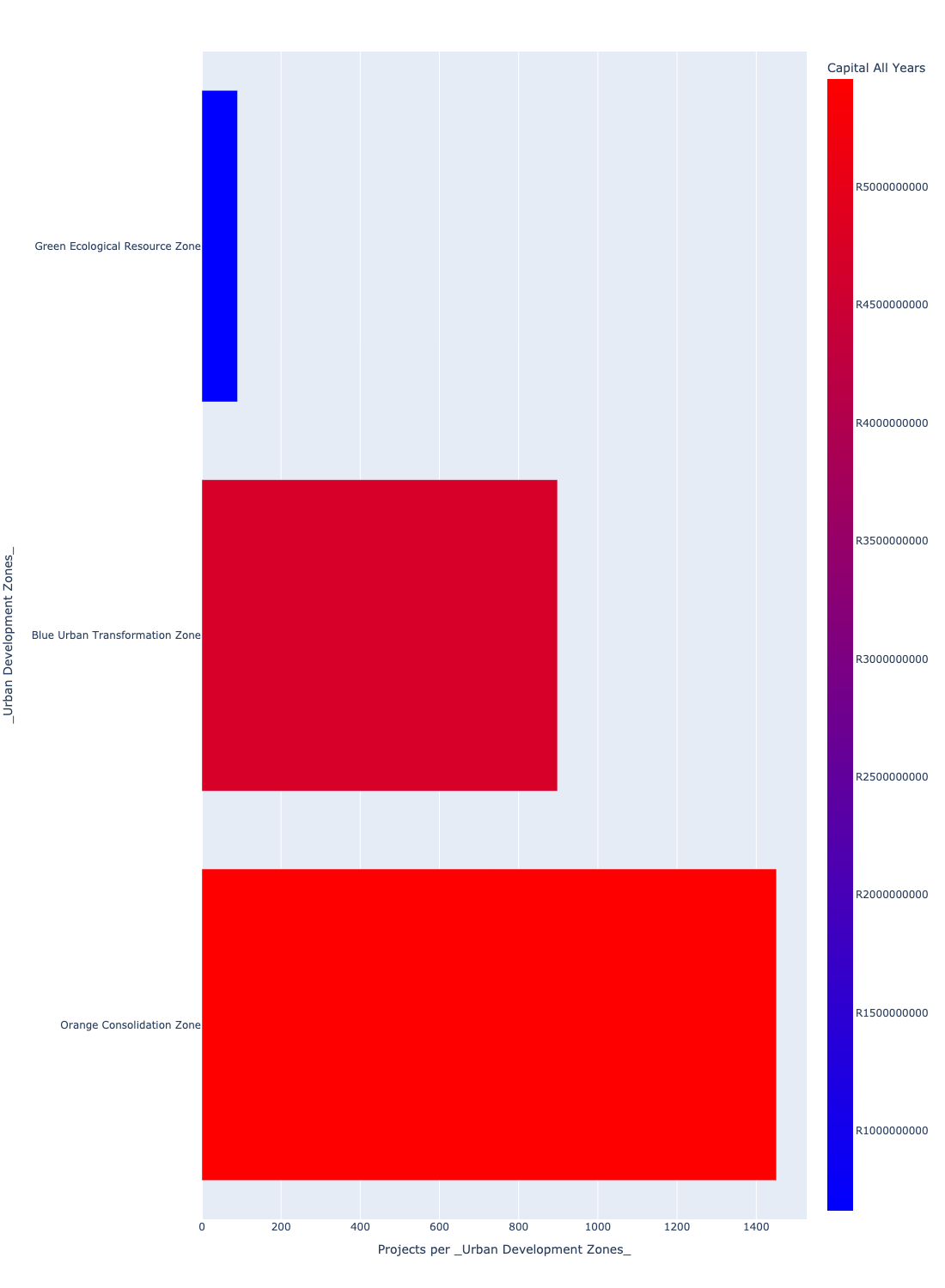
Figure 2: The single Urban Development Zone with the highest value (Nr of Projects & Capital Demand) vs the rest



The highest number of projects in a single Urban Development Zone is in **Orange Consolidation Zone.** *That is 1451 projects and this is 59.49% of the total number of projects.*The highest capital demand in a single Urban Development Zone is in **Orange Consolidation Zone.** *That is R5,456,788,937 and this amounts to 50.47% of the total capital demand.*

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

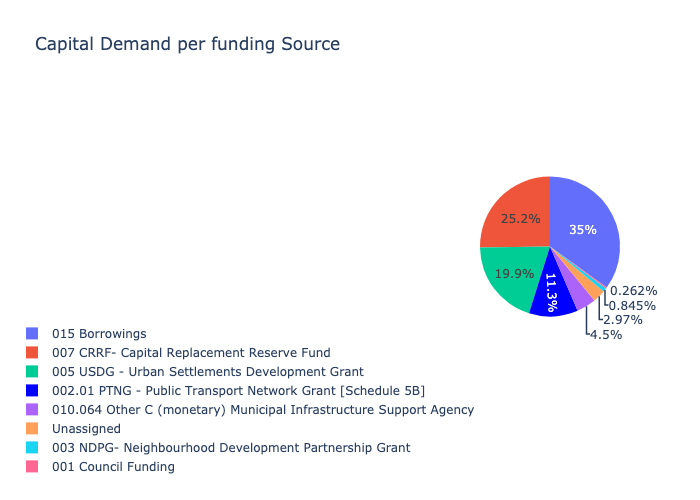
Figure 3.1: Projects and Capital Demand per Urban Development Zone (1/1)



# Total Capital Demand per Urban Development Zone - All Years

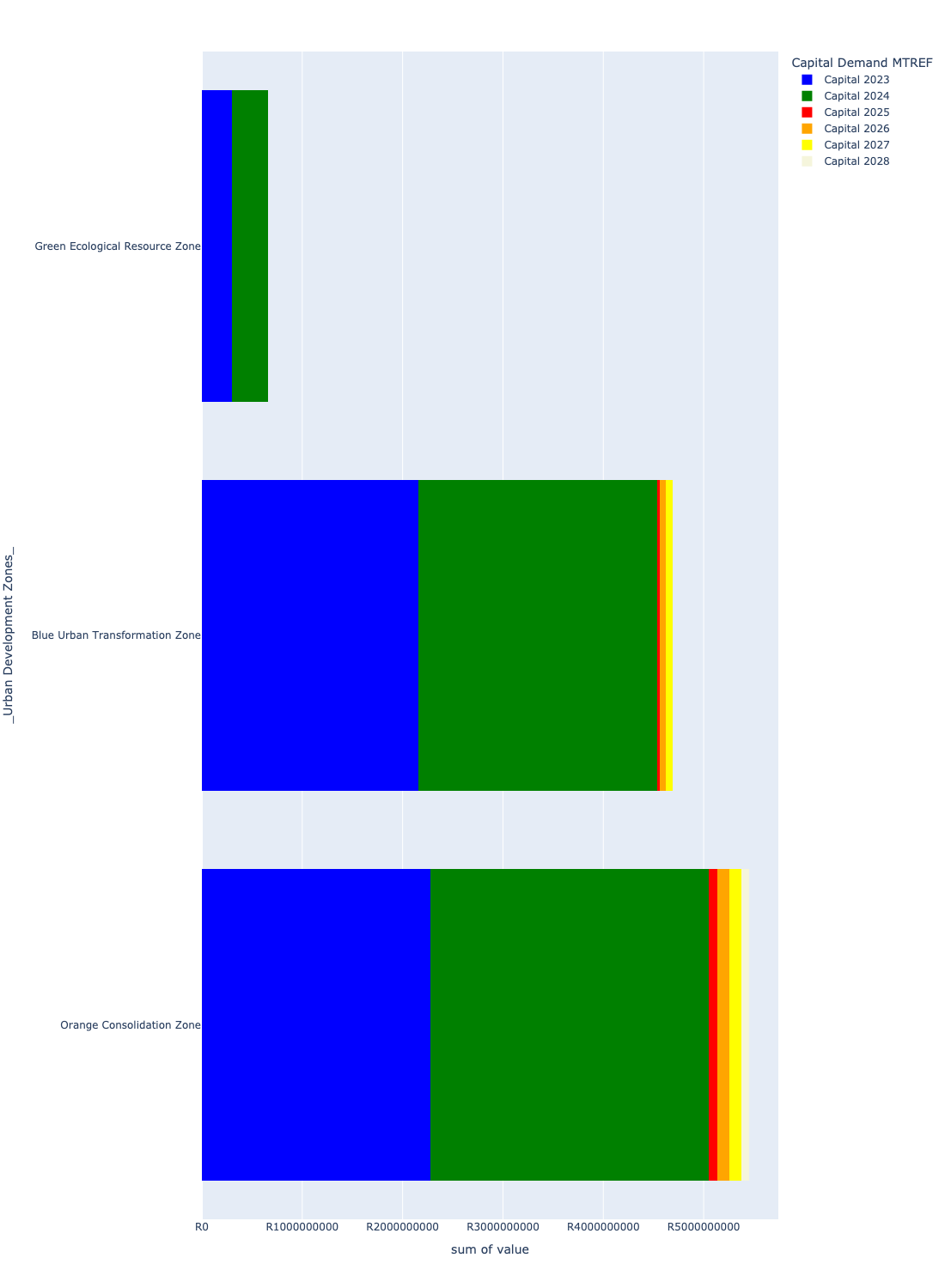
There are different funding sources from which capital is requested. For the financial baseline that was selected for this report query (2022/2023\_MTREF Planning Capture Baseline\_20210823), the breakdown of capital demand for City of Johannesburg Metropolitan Municipality per funding source is shown in Figure 4 below.

Figure 4: Capital Demand Per Funding Source



The following figures provide a histogram representation of the capital demand per Urban Development Zone. A colour breakdown is provided of each year's sub-total that contribute towards the overall total capital demand of each Urban Development Zone. Note that the capital demand beyond the first three years representing the Medium Term Expenditure Framework (MTREF - years 2023, 2024 and 2025) 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 Urban Development Zone - All Years (1/1)



# Total Capital Demand per Urban Development Zone - MTREF only

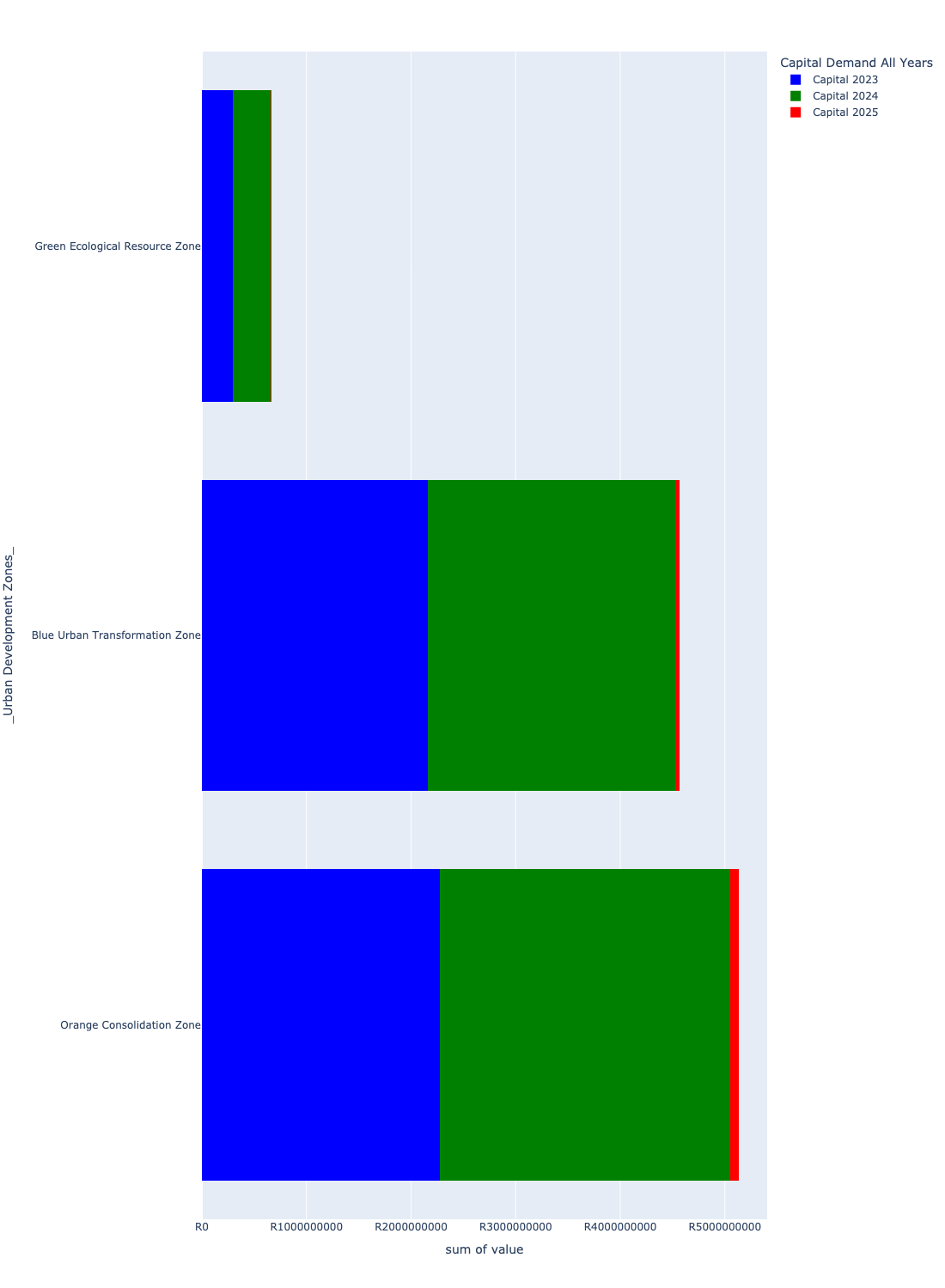
Table 2 below provides a concise summary of key statistical insights regarding the total MTREF capital demand per Urban Development Zone.

Table 2: Urban Development Zones Analysis - MTREF Capital Demand (R)

|  |  |  |  |
| --- | --- | --- | --- |
| Description | Info (1) | Info (2) | Info (3) |
| MTREF Capital demand in all Urban Development Zones - Overview | MTREF capital demand in all Urban Development Zones: R10,360,639,993 | The average MTREF capital demand per Urban Development Zone: R3,453,546,664 | The 75th percentile of MTREF capital demand for Urban Development Zones: R4,849,620,734 |
| The highest MTREF capital demand | In Urban Development Zone: Orange Consolidation Zone | MTREF capital Demand in Orange Consolidation Zone: R5,133,941,646 | Percentage of total MRTEF capital demand in Orange Consolidation Zone: 49.55% |
| The lowest MTREF capital demand | In Urban Development Zone: Green Ecological Resource Zone | MTREF capital Demand in Green Ecological Resource Zone: R661,398,526 | Percentage of total MTREF capital demand in Green Ecological Resource Zone: 6.38% |

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

Figure 6.1: Capital Demand per Urban Development Zone - MTREF Period (1/1)



# Summary per Urban Development Zone

## Orange Consolidation Zone

Table 3: Orange Consolidation Zone Summary

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

## Green Ecological Resource Zone

Table 4: Green Ecological Resource Zone Summary

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

## Blue Urban Transformation Zone

Table 5: Blue Urban Transformation Zone Summary

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