

ANNEXURE 2: CAPITAL EXPENDITURE FRAMEWORK DATA

1. CAPITAL EXPENDITURE TABLES

1.1 REVENUE SOURCES

Table A2.1: Revenue Sources

Information on the type and amount of revenue was sourced from the TWKM Long Term Financial Plan (July 2019).

FUNDING SOURCE	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2028/2028
Public and Developers' Contributions	-	-	-	-	-	-	-	-	-	-
Capital Grants	43 000 000	70 000 000	43 000 000	72 000 000	73 000 000	75 000 000	78 000 000	80 000 000	84 000 000	88 000 000
Financing	14 000 000	38 000 000	9 000 000	10 000 000	34 000 000	39 000 000	44 000 000	51 000 000	59 000 000	67 000 000
Cash Reserves and Funds	16 000 000	23 000 000	12 000 000	17 000 000	-	4 000 000	7 000 000	11 000 000	14 000 000	17 000 000
Capital Expenditure / Engineering Infrastructure Affordability Envelope	73 000 000	131 000 000	65 000 000	99 000 000	107 000 000	117 000 000	129 000 000	142 000 000	156 000 000	172 000 000

1.2 CAPITAL EXPENDITURE REQUIREMENTS PER FUNCTIONAL AREA

Tables A2.2 to A2.10 present information on the type and amount of capital expenditure that would be required for each functional area for a 10-year period. Information on the engineering services costs was provided by the TWKM engineering departments and GLS Consulting Engineers. Information on social facilities costs was provided by DEA&DP. As no prioritisation has been done during this Capital Expenditure Framework, the total amount was divided equally between the 10 years.

Table A2.2: Caledon and Myddleton: Capital Expenditure Requirements (2018/2019 – 2027/2028)

SECTOR	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028
New Water Infrastructure	5 715 800	5 715 800	7 480 256	7 480 256	7 480 256	7 480 256	7 480 256	7 480 256	9 436 956	5 118 556
New Wastewater Infrastructure	4 667 709	7 948 634	7 948 634	7 948 634	7 948 634	6 011 684	6 011 684	6 011 684	7 745 084	6 401 109
New Electricity Infrastructure	15 312 000	15 312 000	15 312 000	15 312 000	15 312 000	15 312 000	15 312 000	15 312 000	15 312 000	15 312 000
New Roads and Transport Infrastructure	7 380 000	7 380 000	7 380 000	7 380 000	7 380 000	7 380 000	7 380 000	7 380 000	7 380 000	7 380 000
New Stormwater Infrastructure	1 000 000	1 000 000	1 000 000	1 000 000	1 000 000	1 000 000	1 000 000	1 000 000	1 000 000	1 000 000
New Solid Waste Infrastructure	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000
New Social Facilities	2 950 000	2 950 000	2 950 000	2 950 000	2 950 000	2 950 000	2 950 000	2 950 000	2 950 000	2 950 000
Functional Area Sub-total:	39 225 509	42 506 434	44 270 890	44 270 890	44 270 890	42 333 940	42 333 940	42 333 940	46 024 040	40 361 665

Table A2.3: Grabouw: Capital Expenditure Requirements (2018/2019 – 2027/2028)

SECTOR	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028
New Water Infrastructure	5 862 682	5 862 682	5 862 682	7 953 007	7 953 007	7 953 007	7 953 007	5 862 682	5 862 682	5 862 682
New Wastewater Infrastructure	4 200 682	4 200 682	4 200 682	4 200 682	5 600 882	5 600 882	5 600 882	5 600 882	4 200 682	4 200 682
New Electricity Infrastructure	0	0	0	0	0	0	0	0	0	0
New Roads and Transport Infrastructure	4 320 000	4 320 000	4 320 000	4 320 000	4 320 000	4 320 000	4 320 000	4 320 000	4 320 000	4 320 000
New Stormwater Infrastructure	10 600 000	10 600 000	10 600 000	10 600 000	10 600 000	10 600 000	10 600 000	10 600 000	10 600 000	10 600 000
New Solid Waste Infrastructure	0	0	0	0	0	0	0	0	0	0
New Social Facilities	5 600 000	5 600 000	5 600 000	5 600 000	5 600 000	5 600 000	5 600 000	5 600 000	5 600 000	5 600 000
Functional Area Sub-total:	30 583 364	30 583 364	30 583 364	32 673 689	34 073 889	34 073 889	34 073 889	31 983 564	30 583 364	30 583 364

Table A2.4: Villiersdorp: Capital Expenditure Requirements (2018/2019 – 2027/2028)

SECTOR	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028
New Water Infrastructure	4 063 745	4 063 745	4 063 745	4 063 745	4 063 745	4 063 745	5 107 545	6 121 995	6 121 995	6 121 995
New Wastewater Infrastructure	1 952 275	1 952 275	1 952 275	1 952 275	990 175	990 175	990 175	990 175	2 012 200	2 012 200
New Electricity Infrastructure	7 043 500	7 043 500	7 043 500	7 043 500	7 043 500	7 043 500	7 043 500	7 043 500	7 043 500	7 043 500
New Roads and Transport Infrastructure	4 540 000	4 540 000	4 540 000	4 540 000	4 540 000	4 540 000	4 540 000	4 540 000	4 540 000	4 540 000
New Stormwater Infrastructure	1 400 000	1 400 000	1 400 000	1 400 000	1 400 000	1 400 000	1 400 000	1 400 000	1 400 000	1 400 000
New Solid Waste Infrastructure	0	0	0	0	0	0	0	0	0	0
New Social Facilities	1 900 000	1 900 000	1 900 000	1 900 000	1 900 000	1 900 000	1 900 000	1 900 000	1 900 000	1 900 000
Functional Area Sub-total:	20 899 520	20 899 520	20 899 520	20 899 520	19 937 420	19 937 420	20 981 220	21 995 670	23 017 695	23 017 695

Table A2.5: Botrivier: Capital Expenditure Requirements (2018/2019 – 2027/2028)

SECTOR	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028
New Water Infrastructure	2 140 327	2 140 327	2 140 327	2 140 327	2 140 327	2 885 627	2 885 627	2 140 327	2 140 327	2 140 327
New Wastewater Infrastructure	1 267 973	1 267 973	1 267 973	1 267 973	1 267 973	1 267 973	1 267 973	1 267 973	1 267 973	1 267 973
New Electricity Infrastructure	0	0	0	0	0	0	0	0	0	0
New Roads and Transport Infrastructure	1 440 000	1 440 000	1 440 000	1 440 000	1 440 000	1 440 000	1 440 000	1 440 000	1 440 000	1 440 000
New Stormwater Infrastructure	3 760 000	3 760 000	3 760 000	3 760 000	3 760 000	3 760 000	3 760 000	3 760 000	3 760 000	3 760 000
New Solid Waste Infrastructure	0	0	0	0	0	0	0	0	0	0
New Social Facilities	500 000	500 000	500 000	500 000	500 000	500 000	500 000	500 000	500 000	500 000
Functional Area Sub-total:	9 108 300	9 108 300	9 108 300	9 108 300	9 108 300	9 853 600	9 853 600	9 108 300	9 108 300	9 108 300

Table A2.6: Riviersonderend: Capital Expenditure Requirements (2018/2019 – 2027/2028)

SECTOR	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028
New Water Infrastructure	1 068 000	1 068 000	1 068 000	1 068 000	1 068 000	1 068 000	1 068 000	953 925	953 925	953 925
New Wastewater Infrastructure	610 609	610 609	610 609	610 609	610 609	610 609	610 609	610 609	610 609	610 609
New Electricity Infrastructure	2 392 500	2 392 500	2 392 500	2 392 500	2 392 500	2 392 500	2 392 500	2 392 500	2 392 500	2 392 500
New Roads and Transport Infrastructure	2 400 000	2 400 000	2 400 000	2 400 000	2 400 000	2 400 000	2 400 000	2 400 000	2 400 000	2 400 000
New Stormwater Infrastructure	800 000	800 000	800 000	800 000	800 000	800 000	800 000	800 000	800 000	800 000
New Solid Waste Infrastructure	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000
New Social Facilities	450 000	450 000	450 000	450 000	450 000	450 000	450 000	450 000	450 000	450 000
Functional Area Sub-total:	9 921 109	9 921 109	9 921 109	9 921 109	9 921 109	9 921 109	9 921 109	9 807 034	9 807 034	9 807 034

Table A2.7: Greyton: Capital Expenditure Requirements (2018/2019 – 2027/2028)

SECTOR	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028
New Water Infrastructure	1 080 400	1 080 400	1 080 400	1 080 400	757 443	757 443	757 443	757 443	757 443	757 443
New Wastewater Infrastructure	364 936	364 936	364 936	364 936	364 936	364 936	364 936	364 936	364 936	364 936
New Electricity Infrastructure	976 000	976 000	976 000	976 000	976 000	976 000	976 000	976 000	976 000	976 000
New Roads and Transport Infrastructure	1 200 000	1 200 000	1 200 000	1 200 000	1 200 000	1 200 000	1 200 000	1 200 000	1 200 000	1 200 000
New Stormwater Infrastructure	8 500 000	8 500 000	8 500 000	8 500 000	8 500 000	8 500 000	8 500 000	8 500 000	8 500 000	8 500 000
New Solid Waste Infrastructure	800 000	800 000	800 000	800 000	800 000	800 000	800 000	800 000	800 000	800 000
New Social Facilities	200 000	200 000	200 000	200 000	200 000	200 000	200 000	200 000	200 000	200 000
Functional Area Sub-total:	13 121 336	13 121 336	13 121 336	13 121 336	12 798 379	12 798 379	12 798 379	12 798 379	12 798 379	12 798 379

Table A2.8: Genadendal: Capital Expenditure Requirements (2018/2019 – 2027/2028)

SECTOR	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028
New Water Infrastructure	-	-	-	-	-	-	-	-	-	-
New Wastewater Infrastructure	-	-	-	-	-	-	-	-	-	-
New Electricity Infrastructure	-	-	-	-	-	-	-	-	-	-
New Roads and Transport Infrastructure	1 200 000	1 200 000	1 200 000	1 200 000	1 200 000	1 200 000	1 200 000	1 200 000	1 200 000	1 200 000
New Stormwater Infrastructure	3 200 000	3 200 000	3 200 000	3 200 000	3 200 000	3 200 000	3 200 000	3 200 000	3 200 000	3 200 000
New Solid Waste Infrastructure	-	-	-	-	-	-	-	-	-	-
New Social Facilities	200 000	200 000	200 000	200 000	200 000	200 000	200 000	200 000	200 000	200 000
Functional Area Sub-total:	4 600 000	4 600 000	4 600 000	4 600 000	4 600 000	4 600 000	4 600 000	4 600 000	4 600 000	4 600 000

Table A2.9: Tesselaarsdal: Capital Expenditure Requirements (2018/2019 – 2027/2028)

SECTOR	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028
New Water Infrastructure	421 591	421 591	421 591	421 591	421 591	421 591	421 591	421 591	421 591	421 591
New Wastewater Infrastructure	774 100	774 100	774 100	774 100	774 100	774 100	774 100	774 100	774 100	774 100
New Electricity Infrastructure	0	0	0	0	0	0	0	0	0	0
New Roads and Transport Infrastructure	200 000	200 000	200 000	200 000	200 000	200 000	200 000	200 000	200 000	200 000
New Stormwater Infrastructure	100 000	100 000	100 000	100 000	100 000	100 000	100 000	100 000	100 000	100 000
New Solid Waste Infrastructure	0	0	0	0	0	0	0	0	0	0
New Social Facilities	0	0	0	0	0	0	0	0	0	0
Functional Area Sub-total:	1 495 691	1 495 691	1 495 691	1 495 691	1 495 691	1 495 691	1 495 691	1 495 691	1 495 691	1 495 691

Table A2.10: Rural Hinterland: Capital Expenditure Requirements (2018/2019 – 2027/2028)

SECTOR	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028
New Water Infrastructure	0	0	0	0	0	0	0	0	0	0
New Wastewater Infrastructure	0	0	0	0	0	0	0	0	0	0
New Electricity Infrastructure	0	0	0	0	0	0	0	0	0	0
New Roads and Transport Infrastructure	0	0	0	0	0	0	0	0	0	0
New Stormwater Infrastructure	0	0	0	0	0	0	0	0	0	0
New Solid Waste Infrastructure	0	0	0	0	0	0	0	0	0	0
New Social Facilities	0	0	0	0	0	0	0	0	0	0
Functional Area Sub-total:	0	0	0	0	0	0	0	0	0	0

1.3 TOTAL CAPITAL EXPENDITURE REQUIREMENTS FOR THE TWKM MUNICIPAL AREA, AFFORDABILITY ENVELOP AND FUNDING SURPLUS/GAP

The information contained in **Tables A2.2 to A2.10** fed into **Table A2.11** to present the total amount of capital expenditure that would be required for each type of engineering and social infrastructure for a 10-year period. The affordability envelope and funding surplus/gap is also presented.

Table A2.11: Total TWKM Municipal Area: Capital Expenditure Requirements, Affordability Envelop and Funding Surplus/Gap (2018/2019 – 2027/2028)

SECTOR	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028
New Water Infrastructure	20 352 545	20 352 545	22 117 001	24 207 326	23 884 369	24 629 669	25 673 469	23 738 219	25 694 919	21 376 519
New Wastewater Infrastructure	13 838 284	17 119 209	17 119 209	17 119 209	17 557 309	15 620 359	15 620 359	15 620 359	16 975 584	15 631 609
New Electricity Infrastructure	25 724 000	25 724 000	25 724 000	25 724 000	25 724 000	25 724 000	25 724 000	25 724 000	25 724 000	25 724 000
New Roads and Transport Infrastructure	22 680 000	22 680 000	22 680 000	22 680 000	22 680 000	22 680 000	22 680 000	22 680 000	22 680 000	22 680 000
New Stormwater Infrastructure	29 360 000	29 360 000	29 360 000	29 360 000	29 360 000	29 360 000	29 360 000	29 360 000	29 360 000	29 360 000
New Solid Waste Infrastructure	5 200 000	5 200 000	5 200 000	5 200 000	5 200 000	5 200 000	5 200 000	5 200 000	5 200 000	5 200 000
New Social Facilities	11 800 000	11 800 000	11 800 000	11 800 000	11 800 000	11 800 000	11 800 000	11 800 000	11 800 000	11 800 000
Asset Replacement/upgrades/refurbishment	38 600 000	38 600 000	38 600 000	38 600 000	38 600 000	38 600 000	38 600 000	77 100 000	83 500 000	38 600 000
Sector total:	167 554 830	170 835 755	172 600 210	174 690 535	174 805 678	173 614 028	174 657 828	211 222 578	220 934 503	170 372 128
Capital Expenditure / Infrastructure Affordability Envelope	73 000 000	131 000 000	65 000 000	99 000 000	107 000 000	117 000 000	129 000 000	142 000 000	156 000 000	172 000 000
Funding Gaps (shortfall/surplus)	-94 554 830	-39 835 755	-107 600 210	-75 690 535	-67 805 678	-56 614 028	-45 657 828	-69 222 578	-64 934 503	1 627 872