


ELECTRICAL ENGINEERING CONTRIBUTIONS RATES

Item	Description		Rate Excl VAT 2019/2020	Percentage Increase 2020/2021 NERSA CPI GUIDELINE	Rate Excl VAT 2020/2021	Unit
1.	AFTER DIVERSITY MAXIMUM DEMAND (ADMD) VALUES					
	ADMD's applicable for the calculation of engineering contribution rates will be as follows:					
	Description	ADMD				
	Residential	As per NRS 069 and NRS 034 for the applicable consumption class				
	Hotel, Guest House or equivalent	80 VA/m2				
	Business, Office or equivalent	80 VA/m2				
	Light Industrial, Garage or equivalent	40 VA/m2				
	Educational or equivalent	20 VA/m2				
	Devotional, agricultural, nursery, scrap yard or equivalent	20 VA/m2				
	In addition, the developer pays for the dedicated infrastructure, being a LV feeder breaker and the meter to be installed in the distribution kiosk.					
2.	MAXIMUM DEMAND (IN KVA) CALCULATION					
2.1	General note:					
2.1.1	The higher of the value calculated at secondary transformation level by: 1) The Developer's appointed Professional Electrical Engineer, or 2) The value as determined by the applicable formula below according to the development's zoning					
2.1.2	The RLM may advise the customer where it is deemed necessary for the customer to increase its notified maximum demand.					
2.1.3	Maximum demand may only be lowered by lowering town planning rights					
2.1.4	Where town planning rights cannot be lowered and a developer insists on a maximum demand lower than figures calculated according to 2.1.1 then the developer shall register a servitude of constraint in the title deed of the property concerned.					
2.1.5	A maximum demand shall be calculated for each legal property, or notorially tied property. In the case of new township or a mixed-use development a consolidated maximum demand may be calculated in terms of item 2.07 for the entire development.					
2.2	Residential development					
2.2.1	As determined according to Formula in par 4.2.2 of NRS 034-1:2001, as amended from time from time to time.					
2.2.2	Parameters a, b and c are determined as per table 3a of NRS 034-1:2001 as amended from time to time, for standard ADMD values.					
2.2.3	Parameters for a and b for a given circuit breaker size c shall be otherwise determined in terms of the formulae set out in NRS 034-1:2001, as amended from time to time.					
2.3	Commercial, Governmental and other non-domestic loads, excluding industrial loads:					
	Maximum demand (in kVA) = ADMD (in kVA/m2 from Table 1) x FAR x Stand area (in m2) Where FAR is the Floor to Area Ratio, i.e. the area of total building floor area divided by total stand area. The total building floor area shall be deemed to include all lettable areas, including common building areas.					
2.4	Light Industrial:					
	Maximum demand (in kVA) = ADMD (in kVA/m2 from Table 1) x FAR x Stand area (in m2)					
2.5	Heavy Industrial:					
	As determined by the developer's consulting engineer (Professional Electrical Engineer)					
2.6	Special loads:					
	Special loads are deemed to be loads associated with special zoning such as storage garages, cemeteries, churches. The higher of the value calculated at secondary transformation level by: 1. 13.8 kVA (equivalent to 60 A single phase) 2. the developer's appointed Professinal Electrical Engineer					
2.7	Mixed-use loads:					
	Any combination of the above, with diversity factors applied or composite load curves summated to determine the annual coincident maximum demand of the saturated development (i.e. for the full development when all properties have been developed). Diversification factors shall be applied at secondary transformation level.					
2.8	Phased developments					
	For phased developments, any combination of the above, subject thereto that Council has approved such phased development and the payment of contributions in respect of each phase.					
3.	ENGINEERING CONTRIBUTIONS					
	Engineering contributions shall be calculated by multiplying the determined demand in kVA by the rate per kVA stated for the appropriate point of connection below:					
3.1	For High voltage connections 88 kV					
3.1.1	For a connection directly to the 88 kV busbars of a primary intake-substation: In addition, the developer pays for the dedicated infrastructure, being a full 88 kV feeder bay inclusive of busbar isolator, circuit breaker, CTs and VTs, line isolator, metering requirements, jumpers, clamps, protection relays and the 88 kV line.		164.00	4.60	171.54	per kVA
3.2	For medium voltage connections (11 & 33 kV) from the urban network					
3.2.1	For a connection directly to thee 33 kV busbars of a substation: In addition, the developer pays fot the dedicated infrastructure, being a 33 kV feeder bay inclusive of circuit breaker, CTs and VTs, metering requirements, protection relays and 33 kV cable.		494.00	4.60	516.72	per kVA
3.2.2	For a connection directly to the 11 kV busbars of a substation: In addition, the developer pays for the dedicated infrastructure, being an 11 kV feeder bay inclusive of circuit breaker, CTs and VTs, metering requirements, protection relays and 11 kV cable.		2,836.00	4.60	2,966.46	per kVA
3.2.3	For a connection directly to a 11 kV ring: RLM pays for the ring main unit and upstream 11 kV infrastructure. In addition, the developer pays for the dedicated infrastructure, being the bulk 11 kV meter and shall provide his own customer circuit breaker.		3,189.00	4.60	3,335.69	per kVA
3.3	For low voltage connections from the urban network					
3.3.1	For a connection directly to the LV busbars of a Minisub: RLM will provide the minisub and upstream 11 kV cable In addition, the developer pays for the dedicated infrastructure, being a LV feeder breaker and the meter to be installed in the Minisub.		4,061.00	4.60	4,247.81	per kVA
3.3.2	For a connection directly to the LV busbars of a distribution kiosk located along an LV feeder on the boundary of a property: RLM will provide the upstream LV feeder, the LV distribution kiosk, the minisub and upstream 11 kV cable. In addition, the developer pays for the dedicated infrastructure, being a LV feeder breaker and the meter to be installed in the contribution kiosk.		4,548.00	4.60	4,757.21	per kVA
3.4	For medium voltage connections (11 & 33 kV) from the rural network					
3.4.1	For a connection directly to an 11 kV overhead line: RLM pays for the ring main unit and upstream 11 kV infrastructure. In addition, the developer pays for the dedicated infrastructure, being the bulk 11 kV meter and shall provide his own customer circuit breaker.		3,208.00	4.60	3,355.57	per kVA
3.5	For low voltage connections from the rural network					
3.5.1	For a connection directly to the LV busbars of a Pole transformer: RLM will provide the pole transformer and upstream 11 kV line. In addition, the developer pays for the dedicated infrastructure, being a LV feeder breaker and the meter to be installed in the Minisub.		3,761.00	4.60	3,934.01	per kVA
3.5.2	For a connection directly to the LV busbars of a distribution kiosk located along an LV overhead feeder on the boundary of a property: RLM will provide the upstream LV overhead line feeder, the LV distribution kiosk, the pole transformer and upstream 11 kV lines. In addition, the developer pays for the dedicated infrastructure, being a LV feeder breaker and the meter to be installed in the distribution kiosk.		4,021.00	4.60	4,205.97	per kVA

RUSTENBURG LOCAL MUNICIPALITY



CIVIL BULK SERVICES CONTRIBUTIONS: NEW DEVELOPMENTS

1. CONTRIBUTIONS NORTH OF THE N4 (COUNCIL RES. 610 OF 25 SEPTEMBER 2001)

	Water		Sewerage		Roads	
Date	Pipeline	Storage	Pipeline	Treatment	Stormwater	Roads
01-07-20	R 1 047/Eq.Erf	R 1 003/Eq.Erf	R2 359/Eq.Erf	R 2 104.70/m³	R 1 162/Eq.Erf	R 3 216/trips

2. CONTRIBUTIONS SOUTH OF THE N4 (COUNCIL RES. 69 OF 28 MAY 2002)

	Water		Sewerage		Roads	
Date	Water all inclusive		Pipeline	Treatment	Stormwater	Roads
01-07-20	R 6 881/Eq Erf		R 2 151/Eq.Erf	R 1 917/m³	R 1 046/Eq.Erf	R 3 058/trips

3. CONTRIBUTIONS FOR THE DELTA AREA (COUNCIL RES. 25 - SEPTEMBER 2002)

	Water		Sewerage		Roads	
Date	Water all inclusive		Pipeline	Treatment	Stormwater	Roads
01-07-20	R 6 881/Eq Erf		R 2 062/Eq.Erf	R 1 917/m³	R 1 045/Eq.Erf	R 6 048/trips

4. CONTRIBUTIONS FOR AREAS INCLUDING CUCKOO AVE (COUNCIL RES. 93 - 30 JULY 2002)

	Water		Sewerage		Roads	
Date	Water all inclusive		Pipeline	Treatment	Stormwater	Roads
01-07-20	R 6 881/Eq Erf		R 2 150/Eq.Erf	R 1 915/m³	R 1 043/Eq.Erf	R 7 376/trips

NOTES:

Trips are calculated as follows:

a.	Normal residential stand:		(Res 1)	1.5 trips per normal household.		
b.	Cluster housing:		(Res 2)	1.1 trips per normal household		

WATER BASIC

CONSUMER	Approved Tariffs 2019/2020 PER MONTH	Approved Tariffs 2019/2020 ANNUAL	2020/2021 Increase %	Proposed Tariffs 2020/2021 PER MONTH	Proposed Tariffs 2020/2021 ANNUAL	2021/2022 Increase %	Proposed Tariffs 2021/2022 PER MONTH	Proposed Tariffs 2021/2022 ANNUAL	2022/2023 Increase %	Proposed Tariffs 2022/2023 PER MONTH	Proposed Tariffs 2022/2023 ANNUAL	Billing Method
Residential	86.23	1,034.81	5.40	90.89	1,090.69	5.40	95.80	1,149.58	5.40	100.97	1,211.66	Per Unit
Residential Vacant	91.15	1,093.81	5.40	96.07	1,152.88	5.40	101.26	1,215.13	5.40	106.73	1,280.75	Per Unit
INDUSTRIAL	93.25	1,119.02	5.40	98.29	1,179.45	5.40	103.60	1,243.14	5.40	109.19	1,310.27	Per Unit
INDUSTRIAL - Vacant	94.30	1,131.57	5.40	99.39	1,192.71	5.40	104.76	1,257.11	5.40	110.42	1,325.00	Per Unit
Agricultural	88.69	1,064.27	5.40	93.48	1,121.75	5.40	98.53	1,182.33	5.40	103.85	1,246.17	Per Unit
BUSINESS	93.25	1,119.02	5.40	98.29	1,179.43	5.40	103.59	1,243.12	5.40	109.19	1,310.24	Per Unit
BUSINESS - Vacant	93.25	1,119.02	5.40	98.29	1,179.43	5.40	103.59	1,243.12	5.40	109.19	1,310.24	Per Unit
CHURCH	84.29	1,011.48	5.40	88.84	1,066.10	5.40	93.64	1,123.67	5.40	98.70	1,184.35	Per Unit
Educational	84.29	1,011.48	5.40	88.84	1,066.10	5.40	93.64	1,123.67	5.40	98.70	1,184.35	Per Unit
STATE OWNED	88.13	1,057.58	5.40	92.89	1,114.67	5.40	97.91	1,174.86	5.40	103.19	1,238.30	Per Unit
MUNICIPALITY	88.13	1,057.58	5.40	92.89	1,114.67	5.40	97.91	1,174.86	5.40	103.19	1,238.30	Per Unit

WATER Tariffs

CONSUMER	Approved Tariff 2019/2020	2020/2021 Increase	Proposed Tariff 2020/2021	2021/2022 Increase	Proposed Tariff 2020/2021	2022/2023 Increase	Proposed Tariff 2022/2023
DOMESTIC (Prepaid and Conventional meters) TOTAL							
Consumption 0KL to 12KL	13.3057	5.4%	14.0242	5.4%	14.7815	5.4%	15.5797
Consumption 13KL to 25KL	14.0729	5.4%	14.8328	5.4%	15.6338	5.4%	16.4780
Consumption 26KL to 40KL	16.8896	5.4%	17.8016	5.4%	18.7629	5.4%	19.7761
Consumption 41KL to 60KL	21.3353	5.4%	22.4874	5.4%	23.7017	5.4%	24.9816
Consumption above 60KL	24.2045	5.4%	25.5115	5.4%	26.8892	5.4%	28.3412
Domestic consumers with no meter	81.4630	5.4%	85.8620	5.4%	90.4986	5.4%	95.3855
AGRICULTURAL DOMESTIC TOTAL							
Consumption 0KL to 12KL	18.1087	5.4%	19.0866	5.4%	20.1172	5.4%	21.2036
Consumption 13KL to 25KL	19.8744	5.4%	20.9476	5.4%	22.0788	5.4%	23.2710
Consumption 26KL to 40KL	22.0500	5.4%	23.2407	5.4%	24.4957	5.4%	25.8185
Consumption 41KL to 60KL	21.7032	5.4%	22.8752	5.4%	24.1104	5.4%	25.4124
Consumption above 60KL	23.6160	5.4%	24.8913	5.4%	26.2354	5.4%	27.6521
INDUSTRIAL TOTAL							
Consumption 0KL to 60KL	21.1882	5.4%	22.3324	5.4%	23.5383	5.4%	24.8094
Consumption 61KL to 100KL	23.5634	5.4%	24.8358	5.4%	26.1770	5.4%	27.5905
Consumption 101KL to 150KL	24.8141	5.4%	26.1541	5.4%	27.5664	5.4%	29.0550
Consumption 151KL+	28.0932	5.4%	29.6102	5.4%	31.2092	5.4%	32.8945
INDUSTRIAL: BOSPOORT TOTAL							
Consumption 0KL to 60KL	22.4073	5.4%	23.6173	5.4%	24.8926	5.4%	26.2368
Consumption 61KL to 100KL	24.2150	5.4%	25.5226	5.4%	26.9008	5.4%	28.3535
Consumption 101KL to 150KL	23.6475	5.4%	24.9245	5.4%	26.2704	5.4%	27.6890
Consumption 151KL+	25.7075	5.4%	27.0957	5.4%	28.5589	5.4%	30.1011
COMMERCIAL TOTAL							
Consumption 0KL to 60KL	21.4719	5.4%	22.6314	5.4%	23.8535	5.4%	25.1416
Consumption 61KL to 100KL	23.0274	5.4%	24.2709	5.4%	25.5815	5.4%	26.9629
Consumption 101KL to 150KL	23.8577	5.4%	25.1460	5.4%	26.5039	5.4%	27.9351
Consumption 151KL+	25.9072	5.4%	27.3062	5.4%	28.7807	5.4%	30.3349
INSTITUTIONAL: Church TOTAL							
Consumption 0KL to 60KL	20.3263	5.4%	21.4240	5.4%	22.5809	5.4%	1.2194
Consumption 61KL to 100KL	21.6926	5.4%	22.8640	5.4%	24.0987	5.4%	1.3013
Consumption 101KL to 150KL	20.7362	5.4%	21.8560	5.4%	23.0362	5.4%	1.2440
Consumption 151KL+	22.4389	5.4%	23.6505	5.4%	24.9277	5.4%	1.3461
INSTITUTIONAL TOTAL							
Consumption 0KL to 60KL	19.9270	5.4%	21.0030	5.4%	22.1372	5.4%	23.3326
Consumption 61KL to 100KL	21.2617	5.4%	22.4099	5.4%	23.6200	5.4%	24.8955
Consumption 101KL to 150KL	20.5891	5.4%	21.7009	5.4%	22.8727	5.4%	24.1079
Consumption 151KL+	22.5545	5.4%	23.7724	5.4%	25.0561	5.4%	26.4091
INSTITUTIONAL: GOVERNMENT TOTAL							
Consumption 0KL to 60KL	21.2197	5.4%	22.3656	5.4%	23.5733	5.4%	24.8463
Consumption 61KL to 100KL	24.7931	5.4%	26.1319	5.4%	27.5430	5.4%	29.0304
Consumption 101KL to 150KL	23.8997	5.4%	25.1903	5.4%	26.5506	5.4%	27.9843
Consumption 151KL+	26.2645	5.4%	27.6828	5.4%	29.1776	5.4%	30.7532
PUBLIC AND PRIVATE SCHOOLS							
Consumption 0KL to 60KL	20.8518	5.4%	21.9778	5.4%	23.1646	5.4%	24.4155
Consumption 61KL to 100KL	24.3622	5.4%	25.6777	5.4%	27.0643	5.4%	28.5258
Consumption 101KL to 150KL	23.1746	5.4%	24.4260	5.4%	25.7450	5.4%	27.1352
Consumption 151KL+	25.1609	5.4%	26.5196	5.4%	27.9517	5.4%	29.4611
SPECIAL							
Consumption 0KL to 60KL	22.4809	5.4%	23.6949	5.4%	24.9744	5.4%	26.3230
Consumption 61KL to 100KL	23.8367	5.4%	25.1239	5.4%	26.4805	5.4%	27.9105
Consumption 101KL to 150KL	22.9749	5.4%	24.2155	5.4%	25.5231	5.4%	26.9014
Consumption 151KL+	25.0558	5.4%	26.4089	5.4%	27.8349	5.4%	29.3380