STELLENBOSCH
STELLENBOSCH • PNIEL • FRANSCHHOEK
MUNICIPALITY • UMASIPALA • MUNISIPALITEIT

Ref no.3/4/1/5

2016-02-19

NOTICE OF THE 38TH MEETING OF THE COUNCIL OF STELLENBOSCH MUNICIPALITY WEDNESDAY, 2016-02-24 AT 15:00

TO The Speaker, Councillor CP Jooste [Chairperson]
The Executive Mayor, Alderman CJ Sidego
The Deputy Executive Mayor, Cllr MG Smuts

ALDERMAN DC Botha

COUNCILLORS

F Adams
DS Arends
NM August
HC Bergstedt (Ms)
PW Biscombe
A Crombie (Ms)
JA Davids
R du Toit (Ms)
V Fernandez (Ms)
JSA Fourie
AR Frazenburg
E Groenewald (Ms)
DA Hendrickse
JK Hendriks
N Jindela
MC Johnson
DD Joubert
S Jooste (Ms)
SJ Louw (Ms)
N Mananga-Gugushe (Ms)
C Manuel
EL Maree (Ms)
NE McOmbring (Ms)
XL Mdemka (Ms)
C Moses (Ms)
P Mntumni (Ms)
RS Nalumango (Ms)
MM Ngcofe
N Ntsunguzi (Ms)
WC Petersen (Ms)
PJ Retief
L Ronoti
JP Serdyn (Ms)
P Sitshoti (Ms)
LN Siwakamisa (Ms)
Q Smit
LL Stander
AT van der Walt
M Wanana

Notice is hereby given in terms of Section 29, read with Section 18(2) of the *Local Government: Municipal Structures Act, 117 of 1998*, as amended, that a Special meeting of the Council of Stellenbosch Municipality will be held in the Council Chamber, Town House, Plein Street, Stellenbosch on **Wednesday, 2016-02-24** at **15:00**.

COUNCILLOR CP JOOSTE
SPEAKER

A G E N D A

38TH MEETING OF THE COUNCIL

OF STELLENBOSCH MUNICIPALITY

2016-02-24

TABLE OF CONTENTS

TABLE OF CONTENTS

1. APPLICATION FOR LEAVE OF ABSENCE (3/4/2/3)

2.1 DECLARATION OF INTEREST (3/6/2/2)

2.2 PRESENTATION (8/1/4/2/6)

NONE

2.3 COMMUNICATIONS (3/4/1/6)

2.3.1 COMMUNICATION BY THE SPEAKER (3/4/1/6)

2.3.2 COMMUNICATION BY THE EXECUTIVE MAYOR (3/4/1/6)

2.3.3 COMMUNICATION BY THE MUNICIPAL MANAGER (3/4/1/6)

3. CONFIRMATION OF THE MINUTES (3/4/1/5)

3.1 CONFIRMATION OF THE MINUTES OF THE 37TH MEETING OF THE COUNCIL OF STELLENBOSCH MUNICIPALITY HELD ON 2016-01-27 (3/4/1/5)

The minutes of the 36th Meeting of the Council of Stellenbosch Municipality held on 2016-01-27 were previously distributed.

FOR CONFIRMATION

4. INTERVIEWS WITH DEPUTATIONS (3/4/1/7)

NONE

5. STATUTORY BUSINESS (3/4/1/7)

NONE

6. REPORT/S BY THE MUNICIPAL MANAGER RE OUTSTANDING RESOLUTIONS TAKEN AT PREVIOUS MEETINGS OF COUNCIL (3/4/1/5)

The report by the Acting Municipal Manager re outstanding resolutions taken at previous meetings of Council is attached as **APPENDIX 1.**

FOR INFORMATION

APPENDIX 1

OUTSTANDING COUNCIL RESOLUTIONS FEBRUARY 2016

Council Meeting		Resolution	Resolution Date	Date Closed	Task Status	Allocated To	% Feedback	Feedback Comment
321657	EMERGENCY HOUSING POLICY	4TH COUNCIL MEETING: 2011-10-27: ITEM 7.9 RESOLVED (majority vote) (a) that Council recognizes the need for the adoption and implementation of an Emergency Housing Policy; (b) that Council notes the draft Emergency Housing Policy presented to it; (c) that Council is advised that the aforesaid Policy is based on the directions given by the Supreme Court of appeal in the case of Johannesburg Metropolitan Municipality v Blue Moonlight Properties 39 (Pty) Ltd. Council is furthermore advised that this case is currently on appeal to the Constitutional Court and that this judgment may alter the directions given by the Supreme Court of Appeal; and (d) that in view of the aforesaid, Council deems it to be prudent to let this matter stand over until the judgment of the Constitutional Court has been handed down and the current draft policy can be considered by Council having due regard to this judgment. (Dir: Planning, IHS & Prop Man)	2011-10-27		IN PROGRESS	DUPREL	50.00	Item recently submitted by DIHS&P - subsequent to decision the functions were split and it is now with Director Tabiso Mfeya. Manager: SPH&E will prepare and submit relevant report to directors for discussion in consultation with IHS&P by November 2015.
330468	POLICY ON HOME OCCUPATIONAL PRACTICE WITHIN THE STELLENBOSCH MUNICIPALITY (WC024):	7.4 POLICY ON HOME OCCUPATIONAL PRACTICE WITHIN THE STELLENBOSCH MUNICIPALITY (WC024) 12TH MEETING OF COUNCIL: 2013-02-28: ITEM 7.4 RESOLVED (nem con) that the Draft Home Occupational Practice Policy dated December 2012, as amended, be recommended to Council for consideration/comments prior to it being advertised for public participation. (D: PED)	2013-02-28		IN PROGRESS	DUPREL	30.00	Forms part of the IZS in terms of SPLUMA / LUPA. Becomes bylaw which can be enforced with SM Law Enforcement and Municipal Court. Due June 2016.
352092	ELECTRICITY SUPPLY TO THE MUNICIPAL AREAS OF STELLENBOSCH	25TH COUNCIL MEETING: 2014-11-26: ITEM 7.5 RESOLVED (nem con) (a)that a preliminary investigation be conducted by the Directorate: Engineering Services (Electrical Services) into the possibility and feasibility of taking over the electricity supply from Drakenstein Municipality; (b)that billing cooperation be implemented between Drakenstein and Stellenbosch Municipality to implement more effective debt collection; and	2014-11-26		IN PROGRESS	JOHANNESC	85.00	A follow up meeting will be held with Drakenstein Municipality on 26/02/2016.

		(c)that SALGA be requested to expedite the Eskom process through political intervention. (DIRECTOR: ENGINEERING SERVICES TO ACTION)						
363632	8.7 FEEDBACK REPORT : IMMOVABLE PROPERTY COMMITTEE	8.7 FEEDBACK REPORT : IMMOVABLE PROPERTY COMMITTEE 28TH COUNCIL MEETING: 2015-03-25: ITEM 8.7 During deliberations on the matter, the DA requested a caucus which the Speaker allowed. After the meeting resumed, it was RESOLVED (nem con) (a) that the appointment of the service provider to assist in drafting a policy on Council's immovable property, be accepted; (b) that the Director: Planning and Economic Development be commissioned to request the service provider to recruit or co-opt individuals with knowledge and experience in this field from the previously disadvantaged groups; and (c) that the two Directors: Planning and Economic Development and Human Settlements, in conjunction with the service provider, take cognisance of the following in preparing of the Draft Policy: (i) a specific area identified as a home–base for Agricultural Development Zone; (ii) National and Provincial Departments be requested to provide necessary technical assistance; (iii) leasing of farm lands at market related prices for current land owners and discounted rates for new emerging farmers; (iv) public participation to form an integral part in the drafting of the policy; (v) peer group assistance by those already established farmers, be encouraged through the whole process; (vi) current leases which were approved prior to 1994 and not in line with the MFMA, must be revisited; (vii) drafting of the policy to look at specific evaluation criteria, taking into account Section 14 of the MFMA, the Municipal Asset Transfer Regulations and Supply Chain regulations; (viii) the Policy to focus not only to farm land but also to municipal owned buildings for restitution purposes; (ix) The Department of Human Settlements to report on the progress as to the readiness and implementation of the Policy on the Management of Council immovable Property, at the end of	2015-03-25		IN PROGRESS	PSMIT	80.00	(2nd) Draft policy on the Management of Agricultural land was circulated to departments for input. Written inputs were provided to LED on 2015-11-12

		June 2015; (x) The possibility of having a forum or oversight structure that will see to the effective implementation of land reform; and (xi) that Council agree to a process, that will ensure that all commonage land within WCO24, be restored to its original status, purpose and ideals. (DIRECTOR: PLANNING AND ECONOMIC DEVELOPMENT TO ACTION)						
367122	APPLICATION TO EXTEND THE TERM OF THE LEASE AGREEMENT BETWEEN THE MUNICIPALITY AND STELLENBOSCH VLIEGVELD MAATSKAPPY	8.5 APPLICATION TO EXTEND THE TERM OF THE LEASE AGREEMENT BETWEEN THE MUNICIPALITY AND STELLENBOSCH VLIEGVELD MAATSKAPPY 29TH COUNCIL MEETING: 2015-04-30: ITEM 8.5 During debate on the matter, the DA requested a caucus which the Speaker allowed. After the meeting resumed, it was RESOLVED (majority vote) (a) that Council confirm in terms of Section 14 of the MFMA that the land, unregistered Portion L of Stellenbosch Farm 502, is required for the provision of essential services (the on-going operation of an airport) and that the extension of the long term lease of the land be actively pursued for airport operational purposes; (b) that the Municipal Manager be authorised to conduct the required public participation and other processes for the disposal of unregistered Portion L of Stellenbosch Farm 502 for airport operational purposes through a long term lease; (c) that Council confirms the market related rental value of unregistered Portion L of Stellenbosch Farm 502, is R70 988,59 (2015) per annum plus all costs incidental and annual increases; and (d) that the Directors: Planning and Economic Development and Settlements and Property Management be jointly tasked with the management of the project and that quarterly feedback on progress be given to Council. The following Councillors requested that their votes of dissent be minuted: Councillors F Adams; AT van der WALT and M Wanana. (DIRECTOR: PLANNING AND ECONOMIC DEVELOPMENT + DIRECTOR:	2015-04-30		IN PROGRESS	DUPREL	55.00	New brief discussed with and submitted to Senior Legal Advisor for report to Council through Mayco in February 2016

OUTSTANDING COUNCIL RESOLUTIONS FEBRUARY 2016

		HUMAN SETTLEMENTS TO ACTION)						
367230	Application for approval of Jonkershoek SDF	7.2 APPLICATION FOR APPROVAL OF JONKERSHOEK SPATIAL DEVELOPMENT FRAMEWORK 29TH COUNCIL MEETING: 2015-04-30: ITEM 7.2 RESOLVED (majority vote with 11 abstentions) that Council approve the Draft Jonkershoek Spatial Development Framework in terms of the Land Use Planning Ordinance, 15 of 1985 and the Municipal Systems Act, 32 of 2000 as Draft Policy for public participation, before the Policy is finally approved. The following Councillors requested that their votes of dissent be minuted: Councillors F Adams; DA Hendrickse; AT van der Walt and M Wanana. (DIRECTOR: PLANNING AND ECONOMIC DEVELOPMENT TO ACTION)	2015-04-30		IN PROGRESS	DUPREL	90.00	Planning Consultant commented on input received through process of public participation and suggested appropriate amendments to the Draft SDF. Currently arranging a meeting between officials and consultants to discus the proposed amendments for the week of 15-19 February 2015. Draft SDF will then be amended to incorporate suggestions and submitted to Council during March 2016.
367234	WRITING-OFF OF IRRECOVERABLE DEBT: MERITORIOUS CASE	7.3 WRITING-OFF OF IRRECOVERABLE DEBT: MERITORIOUS CASE 29TH COUNCIL MEETING: 2015-04-30: ITEM 7.3 RESOLVED (nem con) that this matter be referred back to the Administration for further investigation. (CHIEF FINANCIAL OFFICER TO ACTION)	2015-04-30		IN PROGRESS	ANDRET	88.00	Treasury Office is trying to source certain information requested by Legal.
373715	FRAUD AND CORRUPTION POLICY AND THE FRAUD RESPONSE COMMITTEE (FRC) TERMS OF REFERENCE	8.3 FRAUD AND CORRUPTION POLICY AND THE FRAUD RESPONSE COMMITTEE (FRC) TERMS OF REFERENCE 31ST COUNCIL MEETING: 2015-06-24: ITEM 8.3 RESOLVED (nem con) (a) that Council in principle approve the Fraud and Corruption Policy and that same be advertised for public comment. Should any comments be received same should be considered by Council prior to final approval; (b) that Council in principle approve the Fraud Response Committee (FRC)	2015-06-24		IN PROGRESS	FAIZH	70.00	Chief Risk Officer to amend and circulate to members of the Fraud Risk Committee and to be discussed at the quarterly meeting in March 2016. Policy and TOR will be distributed for input to next Audit Committee meeting.

		Terms of Reference and that same be advertised for public input. Should any comments be received same should be considered before final approval by Council; and (c) that the Chief Risk Officer be mandated to conduct the necessary stakeholder engagement and communication in relation to the Policy. (MUNICIPAL MANAGER TO ACTION)						
373748	MONTHLY FINANCIAL STATUTORY REPORTING	7.6 MONTHLY FINANCIAL STATUTORY REPORTING 31ST COUNCIL MEETING: 2015-06-24: ITEM 7.6 RESOLVED (nem con) (a) that the monthly financial statutory reporting, be noted; (b) that the CFO be tasked to submit an executive report to Council during the September 2015 cycle of Council making recommendations on, inter alia: (i) increasing revenue from alternative and existing sources, which include social housing rental stock, historical properties as well as all other land holdings of the municipality; (ii) recommending financial savings through the effective use of office accommodation; and (iii) any other recommendations that the Administration deems fit to increase revenue and to improve financial efficiencies to ensure the financial viability of the organization. (CHIEF FINANCIAL OFFICER TO ACTION)	2015-06-24		IN PROGRESS	MARIUSW	70.00	Report to be submitted during March cycle.
373806	9.3 MOTION BY COUNCILLOR PW BISCOMBE: AUDIT REPORT ABOUT LEGAL STANDING FLAT DWELLINGS AT RHODE/LANG STREET AND KLOOF/LANG STREET FLATS	9.3 MOTION BY COUNCILLOR PW BISCOMBE: AUDIT REPORT ABOUT LEGAL STANDING FLAT DWELLINGS AT RHODE/LANG STREET AND KLOOF/LANG STREET FLATS 31ST COUNCIL MEETING: 2015-06-24: ITEM 9.3 The Speaker allowed Councillor PW Biscombe to put his Motion, duly seconded. After the Motion was motivated, the Speaker allowed debate on the matter. The matter was put to the vote yielding a result of 23 votes for and 8 votes against.	2015-06-24		IN PROGRESS	CHARLOTTEL	95.00	An interim report will serve at the next Portfolio Committee meeting.

		RESOLVED (majority vote) that Council mandate the Municipal Manager to in turn request the relevant department to report to Council within two months from date of this Council meeting dated 2015-06-24: (i) a survey on every dwelling to establish whether the original legal occupants are still living there; (ii) how many persons are currently occupying each unit and are they legally there. What steps will be put in place to rectify any illegality?; and (iii) due to complaints lodged what is currently being done between Housing Administration and Legal Department to attend to anti-social behaviour patterns with the view of removing these elements from Council properties. The following Councillors requested that their votes of dissent be minuted: Councillors JA Davids; C Moses (Ms); N Mananga-Gugushe (Ms); P Mntumni (Ms); N Ntsunguzi (Ms); L Ronoti; P Sitshoti (Ms); LN Siwakamisa (Ms). (MUNICIPAL MANAGER TO ACTION)						
383875	MOTION BY CLLR F ADAMS: PROCESS FOR THE RENAMING OF STREETNAMES:	7.2 PROCESS FOR THE RENAMING OF STREETNAMES 33RD COUNCIL MEETING: 2015-08-25: ITEM 7.2 RESOLVED (majority vote with 7 abstentions) (a) that the Director: Planning & Economic Development be commissioned to place an advert in the local community newspapers and to place notices at public places to invite written submissions for the renaming of streets over a 60 day window period; (b) that the Director: Planning & Economic Development be commissioned to place an advert in the local community newspapers and to place notices at public places to invite nominees for the establishment of a Panel of Experts to advise Council on proposal for the renaming of streets. (c) that the terms of reference for the panel of experts as summarized in the report, be approved. (DIRECTOR: PLANNING &ECONOMIC	2015-08-25		IN PROGRESS	DUPREL	35.00	Still in commenting period. Notice was placed in the press the end of January 2016. Commenting period is over a 60 days window period

		DEVELOPMENT TO ACTION)						
383878	POSSIBLE ALTERNATIVE SITE FOR HEALTH FACILITY IN KAYAMANDI: PORTION OF ERF 523	7.4 POSSIBLE ALTERNATIVE SITE FOR HEALTH FACILITY IN KAYAMANDI: PORTION OF ERF 523 33RD COUNCIL MEETING: 2015-08-25: ITEM 7.4 RESOLVED (nem con) (a) that the previous Council resolution of (2014-09-23 item 7.4) be rescinded; (b) that the identified portion of erf 523, Kayamandi, be identified as land not needed to provide the minimum level of basic municipal services; (c) that the weighted average valuation of R171.87/m² be considered as the fair market value for the property in question (still to be subdivided); (d) that approval be granted that a portion of erf 523, Kayamandi, as shown on Fig 2 (supra) be transferred to the Western Cape Government (Chief Directorate Property Management) for the purpose of constructing a health facility, on condition that: (i) the health facility on erven 719 and 720 Kayamandi, be transferred back to Stellenbosch Municipality, at no cost; (ii) the Provincial Government be responsible for the upgrading of bulk infrastructure, should the need arise, and for making a contribution towards the Bulk Infrastructure Fund, as per the approved tariff structure at the time of approval of the site development plan; (iii) the Provincial Government be responsible for all service connections at the prevailing rates; (e) that the Municipal Manager (or her delegatee) be authorised to sign the Sales Agreement and all documents necessary to effect transfer of the property; (f) that the relocation of the residents of Zone A be attended to; and (g) that the planning/redevelopment of erf 62 as a Transport Interchange and other community facilities be attended to as a matter of urgency; and (h) that the planning and relocation of the netball field be given priority attention; (i) that Province be requested that strong consideration be given to opportunities in terms of jobs and procurement of goods and services during and after construction of said facility to benefit locals within WCO24; (j) that the affected sports body and community be consulted before the process unfolds; (k) that a site visit with all Kayamandi Councillors and Health Forum take place as a matter of urgency; and (l) that a public participation process be embarked upon. (DIRECTOR: HUMAN SETTLEMENTS AND PROPERTY MANAGEMENT TO ACTION)	2015-08-25		IN PROGRESS	PSMIT	20.00	At the meeting on 4 November,all role-players agreed that we need to move forward with the implementation.As a first step,the relocation of the existing residents need to be attended to.A meeting has been scheduled with New Housing and Informal Housing to discuss a relocation strategy
383887	PROGRESS REPORT – POLICY FOR SELF	7.9 PROGRESS REPORT : POLICY FOR SELF- GENERATION OF ELECTRICITY	2015-08-25		IN PROGRESS	JOHANNESC	30.00	The department are still working on the guidelines and

	GENERATION OF ELECTRICITY	33RD COUNCIL MEETING: 2015-08-25: ITEM 7.9 RESOLVED (nem con) that this matter be referred back to allow the Administration to submit a Progress Report to Council as mentioned in the item. (ACTING DIRECTOR: ENGINEERING SERVICES TO ACTION)						tariffs. It will be submitted with the yearly 2016 tariff proposal to council.
383839	9.1 MOTION BY COUNCILLOR N AUGUST: IMPLEMENTATION OF CARD SYSTEM FOR FRANSCHHOEK AND PNIEL	9.1 MOTION BY COUNCILLOR N AUGUST: IMPLEMENTATION OF CARD SYSTEM FOR FRANSCHHOEK AND PNIEL 33RD COUNCIL MEETING: 2015-08-25: ITEM 9.1 The Speaker allowed Councillor NM August to put his Motion, duly seconded. After the Motion was motivated, the Speaker allowed debate on the matter. The matter was put to the vote yielding a result of all in favour. RESOLVED (nem con) (a) that the Administration be tasked to investigate the possibility to install a card payment system for Franschhoek and Pniel pay points; and (b) that feedback in this regard be submitted at the Council meeting in November 2015. (ACTING MUNICIPAL MANAGER TO ACTION)	2015-08-25		IN PROGRESS	MARIUSW	30.00	Meeting held with Easypay to determine if such a terminal will be viable to install also looking into the other options and a meeting with ABSA to install a debt card machine is currently under investigation.
388210	COMMITMENT TO POSSIBLE ACQUISITION OF LAND FOR HOUSING PROJECT: KLAPMUTS	7.1 COMMITMENT TO POSSIBLE ACQUISITION OF LAND FOR HOUSING PROJECT: KLAPMUTS 34TH COUNCIL MEETING: 2015-09-23: ITEM 7.1 RESOLVED (majority vote) (a) that Council confirm its commitment to buy remainder portion of Farm 744/2, measuring ±11ha in extent at a cost of ±R7.7m, subject to budget provisions, which will be included in the IDP Budget Process of 2016/17 to 2018/19; and (b) that Council explore possibilities of further acquisition of land in WC024 to relieve the housing need. The following Councillors requested that their votes of dissent be minuted:	2015-09-23		IN PROGRESS	PSMIT	70.00	The Department of Public Works has been informed of the outcome /council resolution.Await their feedback in this regard. A consultant has subsequently been appointed to apply for funding on behalf on SM.

		Councillors JA Davids; S Jooste (Ms); DA Hendrickse; C Moses (Ms); N Mananga-Gugushe (Ms); P Mntumni (Ms); RS Nalumango (Ms); MM Ngcofe; N Ntsunguzi (Ms); L Ronoti; LN Siwakamisa (Ms); AT van der Walt and MM Wanana. (DIRECTOR: HUMAN SETTLEMENTS AND PROPERTY MANAGEMENT TO ACTION)						
388216	MOTION - CLLR M PETERSEN: SMARTIE TOWN	9.3 MOTION BY COUNCILLOR M PETERSEN (MS): INVESTIGATION INTO HEALTH RISK: SMARTIE TOWN 34TH COUNCIL MEETING: 2015-09-23: ITEM 9.3 The Speaker allowed Councillor M Petersen (Ms) to put her Motion, duly seconded. After the Motion was motivated, the Speaker allowed debate on the matter. The matter was put to the vote yielding a result of all in favour. RESOLVED (nem con) (a) that Council investigate the health risk of asbestos in Smartie Town, Groendal; and (b) that Council approach the Provincial Government for support in replacing the roofs. (DIRECTOR: HUMAN SETTLEMENTS AND PROPERTY MANAGEMENT TO ACTION)	2015-09-23		IN PROGRESS	LESTERS	90.00	a) A request was submitted to the Health and Safety Officer of the municipality to provide the possible health risks of asbestos roofs. b) All indications are from the Provincial Department of Human Settlements that the replacing of asbestos roofs is not deemed a priority.
388224	MOTION - CLLR M PETERSEN - SMARTIE TOWN RE STATUS OF OWNERSHIP	9.2 MOTION BY COUNCILLOR M PETERSEN (MS): STATUS OF OWNERSHIP 34TH COUNCIL MEETING: 2015-09-23: ITEM 9.2 The Speaker allowed Councillor M Petersen (Ms) to put her Motion, duly seconded. After the Motion was motivated, the Speaker allowed debate on the matter. The matter was put to the vote yielding a result of all in favour. RESOLVED (majority vote) (a) that Council investigate the status of ownership; and (b) that, should Council find that the houses still belonging to Council,	2015-09-23		IN PROGRESS	CHARLOTTEL	25.00	The Department requires details of the properties referred to so that they can give effect to the motion. This was discussed with the Councillor on 4th November 2015. The department undertakes to obtain the information relating to these houses as soon as possible.

		Council then proceed with transferring ownership to these occupants and ensure that these occupants get their cart and transport as proof of ownership. (DIRECTOR: HUMAN SETTLEMENTS AND PROPERTY MANAGEMENT TO ACTION)						
394128	9.3 MOTION BY COUNCILLOR PW BISCOMBE: ERF 7001	9.3 MOTION BY COUNCILLOR PW BISCOMBE: ERF 7001 35TH COUNCIL MEETING: 2015-10-28: ITEM 9.3 The Speaker allowed Councillor PW Biscombe to put his Motion, duly seconded. After the Motion was motivated, the Speaker allowed debate on the matter. The matter was put to the vote yielding a result of all in favour except one abstention. RESOLVED (majority vote with 1 abstention) that Council consider the allocation of 10% of the project to farm workers of the area who qualify. (ACTING DIRECTOR: STRATEGIC AND CORPORTE SERVICES TO ACTION)	2015-10-28		IN PROGRESS	CHARLOTTEL	99.00	The motion is noted. The project envisaged for erf 7001 will provide housing opportunities for persons of the area who will make use of private end-user finance or FLISP (savings linked subsidies). It is not intended to be an RDP housing project. Every effort will be made that the project is as inclusive as possible. Therefore, the participants in the project will have to be able to access credit and their inclusion in the project will depend on their creditworthiness. It is for that reason that this department can therefore not guarantee the allocation of 10% of the project to farm workers of the area.
394114	Investigation with regards to the various residential properties in Mont Rochelle Nature Reserve	7.6 INVESTIGATION WITH REGARD TO THE VARIOUS RESIDENTIAL PROPERTIES IN MONT ROCHELLE NATURE RESERVE 35TH COUNCIL MEETING: 2015-10-28: ITEM 7.6 RESOLVED (majority vote) (a) that Council rescind its resolution taken at the meeting dated, 2014-01-16, with regard to Item 7.2; (b) that the funds allocated to be spent on conducting the proposed investigation rather be spent on consolidating the 46 unsold erven with Mont Rochelle Nature Reserve and negotiating with the owners of the 14 sold (but undeveloped) erven (the priority being erven 342, 307, 314, 322, 355, 336, located in a visually sensitive area north-eastern slope of “Du Toits Kop” facing the Franschhoek valley) regarding the possibility to exchange current erven within Mont Rochelle Nature Reserve with erven in a more suitable	2015-10-28		IN PROGRESS	DUPREL	10.00	Appointment of legal advisor to assist with considering the different options as well as the financial impact therefor, completed. Briefing session to be arranged next.

		area (suitable in terms of environmental, visual and service delivery perspective); and (c) that any other feasible alternative that can limit the impact on the nature reserve that might be identified in the process be considered. The following Councillors requested that their votes of dissent be minuted: Councillors F Adams; JA Davids; DA Hendrickse; S Jooste (Ms); C Moses (Ms); P Mntumi (Ms); RS Nalumango (Ms); P Sitshoti (Ms); AT van der Walt and M Wanana. (DIRECTOR: PLANNING AND ECONOMIC DEVELOPMENT TO ACTION)						
395788	PROPOSED DISPOSAL OF 68 SERVICED SITES IN MOOIWATER	7.9 PROPOSED DISPOSAL OF 68 SERVICED SITES IN MOOIWATER 35TH COUNCIL MEETING: 2015-10-28: ITEM 7.9 RESOLVED (majority vote) (a) that the erven listed in paragraph 3.1 be identified as land not needed to provide the minimum level of basic municipal services; (b) that the fair market value of the sites be determined as the weighted average of two independent valuations; (c) that the values so determined be set as a reserve/floor price; (d) that the (Acting) Municipal Manager be authorised to determine the evaluation criteria with the view of giving preference to qualifying local residents who falls within the description of a previously disadvantaged individual; (e) that the (Acting) Municipal Manager be authorised to dispose of the erven listed in paragraph 3.1 by way of a public tender process subjected to the criteria depicted in paragraph 3.5; (f) that the proceeds be dealt with in terms of Part 3 of the National Housing Code of 2009; as set out in paragraph 4.3 of the report; (g) that a tenderer other than a resident from ward 1 or 2 from previously disadvantage group must indicate the beneficiaries in the tender documents. (DIRECTOR: HUMAN SETTLEMENTS AND PROPERTY MANAGEMENT TO ACTION)	2015-10-28		IN PROGRESS	PSMIT	50.00	Tender document compiled. SCM unit was requested to place the advertisement during 3rd week of November 2015 with closing date for tenders the 2nd week in February 2016

401721	9.2 QUESTION BY CLLR DA HENDRICKSE: MINIMUM COMPETENCY QUALIFICATIONS: SENIOR MANAGERS	9.2 QUESTION BY CLLR DA HENDRICKSE: MINIMUM COMPETENCY QUALIFICATIONS: SENIOR MANAGERS 36TH COUNCIL MEETING: 2015-11-25: ITEM 9.2 RESOLVED (nem con) that it be noted that in view of the fact that the Acting MM only responded with regard to the 3 Senior Managers, Councillor DA Hendrickse was not satisfied with the response provided and posed a follow-up question, namely: "What about the rest of the staff, because they are linked with minimum competency in Supply Chain and in Finance?" The Acting Municipal Manager responded that a detailed report with regard to Supply Chain & Finance Officials will serve at the next Strategic and Corporate Services Committee meeting. (ACTING MUNICIPAL MANAGER TO ACTION)	2015-11-25		IN PROGRESS	ANDRER	80.00	Item to follow process to go to Mayco and then Council (March).
401722	9.4 QUESTION BY CLLR DA HENDRICKSE: FAILURE OF THE ADMINISTRATION TO, FOR THE PAST 4 YEARS, BRING REPORTS BEFORE COUNCIL IN TERMS OF SECTION 116(2)(d) OF THE MFMA	9.4 QUESTION BY CLLR DA HENDRICKSE: FAILURE OF THE ADMINISTRATION TO, FOR THE PAST 4 YEARS, BRING REPORTS BEFORE COUNCIL IN TERMS OF SECTION 116(2)(d) OF THE MFMA 36TH COUNCIL MEETING: 2015-11-25: ITEM 9.4 RESOLVED (nem con) that it be noted that Councillor DA Hendrickse was not satisfied with the response provided in respect of the question posed, and posed a follow-up question, namely: "Why did the Auditor-General not pick up that for four years no statutory report served before Council." The Acting Municipal Manager responded that this will be rectified and a report will be submitted to Council regularly. (ACTING MUNICIPAL MANAGER TO ACTION)	2015-11-25		IN PROGRESS	MARIUSW	30.00	The position for Contracts and Compliance has been advertised and the recruitment is under way. This position will then compile the required report.
401723	9.14 MOTION BY COUNCILLOR R DU TOIT (MS): ADJUSTMENT OF SASSA BENEFICIARIES AND	9.14 MOTION BY COUNCILLOR R DU TOIT (MS): ADJUSTMENT OF SASSA BENEFICIARIES AND SENIOR CITIZENS' RENT OF MUNICIPAL PROPERTY 36TH COUNCIL MEETING: 2015-11-25: ITEM 9.14	2015-11-25		IN PROGRESS	ANDRET	30.00	Item in progress. To be submitted by Housing Administration.

	SENIOR CITIZENS' RENT OF MUNICIPAL PROPERTY	The Speaker allowed Councillor R du Toit (Ms) to put her Motion, duly seconded. After the Motion was motivated, the Speaker allowed debate on the matter. The matter was put to the vote yielding a result of 26 votes for and 9 against. RESOLVED (majority vote) that the rent of SASSA beneficiaries and senior citizens be calculated on a sliding scale according to their income. (CHIEF FINANCIAL OFFICER TO ACTION)						
401581	7.3 PROPOSED DISPOSAL OF CHURCH AND CRECHE SITES IN WATERGANG, KAYAMANDI	7.3 PROPOSED DISPOSAL OF CHURCH AND CRECHE SITES IN WATERGANG, KAYAMANDI 36TH COUNCIL MEETING: 2015-11-25: ITEM 7.3 RESOLVED (majority vote) (a) that erven 3739 and 3740, Kayamandi be identified as property not needed to provide the minimum level of basic municipal services, i.e surplus properties; (b) that Council, in principle, approve the disposal of erven 3739 and 3740, Kayamandi; (c) that the minimum prices be determined by two (2) independent valuations (20% of weighted average of fair market value) (d) that the (Acting) Municipal Manager be authorised to approve the evaluation criteria and place the necessary notices, calling for tenders for the properties; and (e) that, following the conditional awarding of tenders, a report be submitted to Council to decide on the final disposal of the properties in question, taking into account that tenders may well be below market value. The following Councillors requested that their votes of dissent be minuted: Councillors JA Davids; DA Hendrickse; S Jooste (Ms); C Moses (Ms); RS Nalumango (Ms); MM Ngcofe; N Ntsunguzi (Ms); L Ronoti; P Sitshoti (Ms); LN Siwakamisa (Ms) and AT van der Walt. (DIRECTOR: HUMAN SETTLEMENTS AND PROPERTY MANAGEMENT TO ACTION)	2015-11-25		IN PROGRESS	PSMIT	10.00	Valuers were appointed to attend to the valuation of the properties whereafter (February 2016) a tender notice will be published

401582	7.4 RECOMMENDATIONS AND FINDING REGARDING THE APPOINTMENT OF EXTERNAL MUNICIPAL PLANNING TRIBUNAL MEMBERS AS DETERMINED BY THE SPATIAL PLANNING AND LAND USE MANAGEMENT ACT, 2013 (ACT 16 OF 2013) AND ITS REGULATIONS	7.4 RECOMMENDATIONS AND FINDING REGARDING THE APPOINTMENT OF EXTERNAL MUNICIPAL PLANNING TRIBUNAL MEMBERS AS DETERMINED BY THE SPATIAL PLANNING AND LAND USE MANAGEMENT ACT, 2013 (ACT 16 OF 2013) AND ITS REGULATIONS 36TH COUNCIL MEETING: 2015-11-25: ITEM 7.4 RESOLVED (nem con) (a) that the nominations made by the evaluation panel for the commencement of appointment for the following external Municipal Planning Tribunal Members be accepted by Council as: • Adv. Mandla Mdludu • Ms Cornelia Smart • Mr Thumakele Gosa • Mr JFD Muller • Dr Ruida Pool-Stanvliet • Mr Jeffrey Phil de Wet • Mr Christiaan Rabie (b) that Council take cognisance that the following Internal Municipal Planning Tribunal Members will be appointed as per Council resolution (Item 8.6), dated 2015-05-27: - Manager: Development Services, Directorate Engineering Services - Manager: Spatial Planning, Heritage and Environment, Directorate Planning and Economic Development - Senior Legal Advisor, Directorate: Strategic and Corporate Services (c) that Item 8.6 (j) be replaced with the Appeal Authority be the Executive Mayor. The Executive Mayor is authorised as appeal authority ex lege/in terms of legislation and not in terms of a delegation; and (d) that in terms of SPLUMA Section 36(4a & b), Council support and approve the recommendation for the appointment of the Chairperson, (Advocate Mandla Mdlulu) and Deputy Chairperson, (Ms Cornelia Smart). (DIRECTOR: PLANNING AND ECONOMIC DEVELOPMENT TO ACTION)	2015-11-25		IN PROGRESS	HEDRED	80.00	All steps in process. New members to meet early February 2016.
402101	INVESTIGATION INTO ALEGATION OF BREACH OF THE CODE OF CONDUCT FOR COUNCILORS: COUNCILOR F	13.1.1 INVESTIGATION INTO ALLEGATION OF BREACH OF THE CODE OF CONDUCT FOR COUNCILLORS: COUNCILLOR F ADAMS 36TH COUNCIL MEETING: 2015-11-25: ITEM 13.1.1 Before debate on the matter, the Speaker requested Councillor F Adams to	2015-11-25		IN PROGRESS	VERNONB	75.00	From: Adrian Stone Sent: 09 February 2016 15:17 To: Vernon Bowers Subject: RE: OUTSTANDING COUNCIL RESOLUTIONS AND OUTSTANDING ITEMS

	ADAMS	recuse himself for the duration of the matter, as he is implicated in the matter. Councillor F Adams then left the Chamber during discussion on the matter. The Senior Legal Advisor, Ms Elizabeth Williams raised her concern that the item was not distributed to her for legal input. The Speaker responded that, according to legislation, the issue of disciplinary hearings resort under him. When a matter is brought to his attention he must consider whether or not there is reasonable suspicion to proceed with an investigation. RESOLVED (majority vote) (a) that Council take note of the advice from Ald A Coetsee: and (b) that this matter be referred to the Disciplinary Committee to be dealt with. The following Councillors requested that their votes of dissent be minuted: Councillors JA Davids; DA Hendrickse; S Jooste (Ms); C Moses (Ms); RS Nalumango (Ms); MM Ngcofe; N Ntsunguzi (Ms); L Ronoti; P Sitshoti (Ms); LN Siwakamisa (Ms) and AT van der Walt. (OFFICE OF THE SPEAKER TO ACTION)						TO SERVE AT FEBRUARY COUNCIL MEETING Vernon dit is 75% gedoen. Mnr Anton Coetsee reel/doen die verhoor en is voorlopig geskeduleer vir gedurende die maand Maart 2016 Groete Adrian
406682	6. REPORT/S BY THE MUNICIPAL MANAGER RE OUTSTANDING RESOLUTIONS TAKEN AT PREVIOUS MEETINGS OF COUNCIL	6. REPORT/S BY THE MUNICIPAL MANAGER RE OUTSTANDING RESOLUTIONS TAKEN AT PREVIOUS MEETINGS OF COUNCIL The report by the Acting Municipal Manager re outstanding resolutions taken at previous meetings of Council is attached as APPENDIX 1. FOR INFORMATION 37TH COUNCIL MEETING: 2016-01-27: ITEM 6 RESOLVED (nem con) (a) that the report by the Acting Municipal Manager on outstanding resolutions be noted; and (b) that the Acting Municipal Manager note the input by Councillors regarding the items as outlined below, and provide responses, where applicable. Issue raised by Item Response by Cllr : F Adams: Raised his concern and disappointment regarding items that were previously resolved by Council, and rulings made by the Speaker, but not executed by the Administration, i.e.:	2016-01-27		IN PROGRESS	ROZANNEP		

		- Motion by Cllr F Adams: Process for the Renaming of Street names (pg. 29). Pg. 29 The Acting MM responded that advertisements will be in the media this coming week and written response will be sent to Cllr F Adams also this week. Cllr DA Hendrickse: Enquired regarding a Motion by Cllr M Wanana: Conditions of flats in Kayamandi Cllr DA Hendrickse said that the Speaker made a ruling in the August 2014 meeting regarding the conditions of the flats in Kayamandi and that a report be submitted to Council. No feedback yet. Cllr DA Hendrickse & Cllr JA Davids: Vliegveld Cllr DA Hendrickse What is this brief mentioned on pg. 14 under the feedback comment, when the Council resolution did not and cannot be changed? Cllr JA Davids The item and the content in the discussion document differs. Is this part of the brief, because the item was totally faulty/flawed when it served before Council? Cllr AT van der Walt: Is unregistered Portion L of Farm 502 registered at the Deeds Office or at the office of the Surveyor-General? Pg. 14 The Acting MM explained that this brief referred to is given to the Legal Advisor to provide comment on the item before it is submitted to Council. The Speaker RULED that the Chief Whip set up a meeting with the acting MM on Tuesday, 2016-02-02, where the interpretation of Vliegveld will be discussed. A copy of the resolution on the Vliegveld will be distributed. The Speaker extended and invitation to those Cllrs who have an interest in the Vliegveld, to attend the Whips' Meeting on Wednesday 11:00. If the date/time does not suite all, another date must be set. Cllr DS Arends: Slabtown What is the status regarding "Slabtown", because this item is long overdue. Pg 6 under Council resolutions audit 2013-2014 A new Policy on Emergency Housing and the Identification of places for the location of Emergency Housing sites will be submitted to Council soon. The						Comment by H Dednam: Notices could only be placed in the press the end of January 2016, seeing that Council was in a recess during December and part of January and then no advertising takes place because most of the public are on holiday. Commenting period is over a 60 days window period. Comment by D Lombaard : New instruction was requested from the Legal department to ensure legal compliance of the process. Comment by Mr Piet Smit : Portion L of Farm 502 lease was drawn up by a Land Surveyor, but not registered with the Surveyor- General or Deeds office. The onus of registration lies with the tenant. / occupant.

		Slabtown residents will have to be relocated and will therefore form part of the process. (ACTING MUNICIPAL MANAGER TO ACTION)						
406874	TRAFFIC CALMING POLICY	7.8 TRAFFIC CALMING POLICY 37TH COUNCIL MEETING: 2016-01-27: ITEM 7.8 RESOLVED (nem con) (a) that the revised Traffic Calming Policy, as amended and attached as APPENDIX 1, be accepted as a Draft Policy; (b) that the Draft Policy be advertised for public input; (c) that the Acting Director: Engineering Services be requested to incorporate the public input; and (d) that the Draft Policy, with public input, be workshopped, whereafter same be submitted to Council for final approval by April 2016. (ACTING DIRECTOR: ENGINEERING SERVICE TO ACTION)	2016-01-27		IN PROGRESS	EJWENTZEL	50.00	Policy will be advertised for public comment on 18/02/16.
406719	DRAFT POLICY FOR THE MANAGEMENT OF MUNICIPAL AGRICULTURAL LAND	37TH COUNCIL MEETING: 2016-01-27: ITEM 7.9 During deliberations on the matter, the Speaker undertook to allow more time for debate on the Policy in the next Council meeting. On a request by Councillor AT van der Walt to rectify mistakes in the Policy, the Speaker reiterated that he will not allow further debate on the Policy, but urged the Councillor to submit his inputs to the Acting Municipal Manager for inclusion in Mayco and for further debate in the Council meeting at the end of February 2016. RESOLVED (nem con) (a) that the Draft Agricultural Land Reform Policy be adopted, in principle; (b) that the legal inputs be obtained before this Policy go for public comment; and (c) that the said Policy be advertised for public comment, whereafter same be re-submitted via Mayco to Council by end February 2016 for consideration and conclusion. (DIRECTOR: PLANNING, ECONOMIC AND COMMUNITY DEVELOPMENT TO ACTION)	2016-01-27		IN PROGRESS	DUPREL	60.00	The draft policy is currently at legal services for their inputs and comments whereafter it will be published for public comments.

406924	7.1 TABLING OF THE 2014/15 ANNUAL REPORT FOR THE STELLENBOSCH MUNICIPALITY IN ACCORDANCE WITH SECTION 121 OF THE MUNICIPAL FINANCE MANAGEMENT ACT (MFMA), ACT 56 OF 2003, READ TOGETHER WITH SECTION 46 OF THE LOCAL GOVERNMENT: MUNICIPAL SYSTEMS ACT, ACT 32	7.1 TABLING OF THE 2014/15 ANNUAL REPORT FOR THE STELLENBOSCH MUNICIPALITY IN ACCORDANCE WITH SECTION 121 OF THE MUNICIPAL FINANCE MANAGEMENT ACT (MFMA), ACT 56 OF 2003, READ TOGETHER WITH SECTION 46 OF THE LOCAL GOVERNMENT: MUNICIPAL SYSTEMS ACT, ACT 32 OF 2000 37TH COUNCIL MEETING: 2016-01-27: ITEM 7.1 As per the Council Agenda of 2016-01-27, the recommendations of the Mayco meeting that was held earlier on 2016-01-27 was distributed during the Council meeting. The Speaker allowed for a 5 minute break to allow Councillors to familiarize themselves with the Mayco recommendations. RESOLVED (majority vote) (a) that Council take cognizance of the 2014/15 Draft Annual Report for the Stellenbosch Municipality; (b) that the Draft Annual Report be made public for comment on the official website of the Stellenbosch Municipality and local print media for a period of 21 days; (c) that the Municipal Public Accounts Committee (MPAC) be appointed as the Oversight Committee in terms of Sections 33 and 79 of the Municipal Structures Act, Act 117 of 1998, to assist the Council with its statutory role to consider and evaluate the content of the Draft Annual Report and make recommendations to Council; (d) that the Oversight Committee abide by the following schedule of meetings and provide the Council with an Oversight Report to be considered together with the Draft Annual Report, not later than 30th March 2016; and Date Agenda Venue Time 01 February 2016 Orientation re Annual Report Stellenbosch Council Chamber 14:00 08 February 2016 Chapters 1 and 2 Stellenbosch Council Chamber 14:00 22 February 2016 Chapter 3 Stellenbosch Council Chamber 14:00 29 February 2016 Chapters 4, 5 and 6 Stellenbosch Council Chamber 14:00 07 March 2016 -Public Hearing -Preparation for Discussions with and feedback from Directors and MM Stellenbosch Council Chamber 09:00-14:00 11 March 2016 Feedback and discussions: Municipal Manager, Executive Mayor and Directors Stellenbosch Council Chambers 09:00 (45 min sessions with 15 min breaks) 14 March 2016 Finalizing Oversight Report Stellenbosch Council Chamber To be confirmed (e) that, should the Municipal Public Accounts Committee (MPAC) elect to co-opt members of the public with expertise in specific fields to assist and advise the Committee when deliberating before it, the following recommendation in terms of tariff and number of co-opted members shall apply:	2016-01-27		IN PROGRESS	ANNELIER	40.00	MPAC Committee established, 2 members co-opted and first two meetings held.

		Tariff Number of co-opted members Not exceeding no of hours Remuneration Per hour tariff for attendance of meeting Once-off Tariff for duties performed in preparation 2 2 40 hours 4 hours R400.00 R1500 (for four hours) The following Councillors requested that their votes of dissent be minuted: Councillors F Adams; DA Hendrickse; AT van der Walt and M Wanana. (ACTING DIRECTOR STRATEGIC AND CORPORATE SERVICES TO ACTION)						

7. CONSIDERATION OF MATTERS REFERRED TO COUNCIL VIA THE MAYORAL COMMITTEE MEETING/S

7.1 2015/16 GRANT-IN-AID ALLOCATIONS

File number : *5/15*

Compiled by : *Manager: Community Development*

Report by : *Director: Planning, Economic and Community Development*

Delegated Authority : *Council*

Strategic intent of item

Preferred investment destination	
Greenest municipality	
Safest valley	
Dignified Living	X
Good Governance	X

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1. PURPOSE OF REPORT

To present Grant-in-Aid applications to Council for approval.

2. BACKGROUND

Council approved Grant-in-Aid budget of R 2 400 000,00 and Grant-in-Aid donations to the amount of R 1 223 132,00 donations **(APPENDIX 1)** at the 30th Council Meeting on 27 May 2015. This resulted in under spending and R 1 176 868,00 still available on vote 1/7802/3600 COUNCIL DONATIONS: GRANT-IN-AID SUNDRY.

All approved donations have been paid to the successful applicants after signing of the MOA's.

3. DISCUSSION

The reason for the under spending was due to the alignment of the budget to IDP priorities. This was explained to the organizations at the compulsory briefing workshop in February 2015 along with the change to the public comment period to align with the budget approval process. As this was the first year the Grant-in-Aid cycle was aligned to the budget approval cycle very few organizations realized that although they complied with the policy requirements for the donation, they would not receive funding as the need they address with their programmes was not identified as priority needs within the wards they deliver services in and they missed the period for public comment during April 2015.

The department concluded the process of 2015-16 Grant-in-Aid Donations with the signing of the Memorandum of Agreements with successful applicants after the approval of the budget. During this period, many organizations became aware of the signing of the agreements and the payments made to successful

applicants. It was only then that organizations started to complain about the fact that their application was deemed unsuccessful due to the fact that they do not address identified ward needs within the IDP. Complaints varied from the municipality being unfair and that they did not understand what was communicated to them during the briefing session. They also indicated that the new process created confusion.

Fifteen organizations **(APPENDIX 2)** complied with all requirements of the Grant-in-Aid policy, but were not successful due to the alignment with ward priorities. The total amount that these organizations are eligible for is R 592 751.15.

Ward priorities identified during the October 2015 IDP needs assessments is indicative of developmental support needed by communities. It ranges from social crime, substance abuse, and access to information on bursaries and many more. The realization that many ward needs often goes unaddressed due to the fact that it is not deemed a municipal function, confirms the need for the municipality to align all possible resources (including Grant-in-Aid) and community partners to address ward needs. The department will thus include all identified ward needs in the compulsory briefing session for future Grant-in-Aid cycles.

4. LEGAL IMPLICATION

Input requested with due date: 8/12. None received.

5. FINANCIAL IMPLICATION

Sufficient funds available on approved 2015-16 budget on vote 1/7802/3600 COUNCIL DONATIONS: GRANT-IN-AID SUNDRY to allow for donations to the value of R 592 751.15.

6. COMMENTS FROM OTHER RELEVANT DEPARTMENTS

Finance: Finance support the item – response emailed on 25/11/2015

Legal: Input requested with due date: 8/12. None received.

RECOMMENDED

(a) that Council approve donations as listed in **APPENDIX 2** for the 2015/2016 financial year; and

(b) that the Department ensure compliance with the Policy by ensuring the signing of the MOA, confirmation of receipt of feedback reports and completion of the financial management workshop prior to affecting payments.

(DIRECTOR: PLANNING, ECONOMIC AND COMMUNITY DEVELOPMENT COMMITTEE TO ACTION)

PLANNING AND ECONOMIC DEVELOPMENT COMMITTEE: 2016-02-02: ITEM 6.1.1

RECOMMENDED

(a) that Council approve donations as listed in **APPENDIX 2** for the 2015/2016 financial year; and

(b) that the Department ensure compliance with the Policy by ensuring the signing of the MOA, confirmation of receipt of feedback reports and completion of the financial management workshop prior to effecting payments.

(DIRECTOR: PLANNING, ECONOMIC AND COMMUNITY DEVELOPMENT COMMITTEE TO ACTION)

MAYORAL COMMITTEE MEETING: 2016-02-17: ITEM 5.1.1

It is noted that the subsequent input received from Legal Services is that the item is supported.

RECOMMENDED BY THE EXECUTIVE MAYOR

(a) that Council approve donations as listed in **APPENDIX 2** for the 2015/2016 financial year; and

(b) that the Department ensure compliance with the Policy by ensuring the signing of the MOA, confirmation of receipt of feedback reports and completion of the financial management workshop prior to effecting payments.

(DIRECTOR: PLANNING, ECONOMIC AND COMMUNITY DEVELOPMENT COMMITTEE TO ACTION)

ITEM 7.1

APPENDICES 1-2

2015/16 GRANT-IN-AID ALLOCATIONS

38TH COUNCIL MEETING:
2016-02-24

APPENDIX 1

REPORT RECEIVED FROM COMMUNITY DEVELOPMENT: 2015/16 GRANT-IN-AID ALLOCATIONS

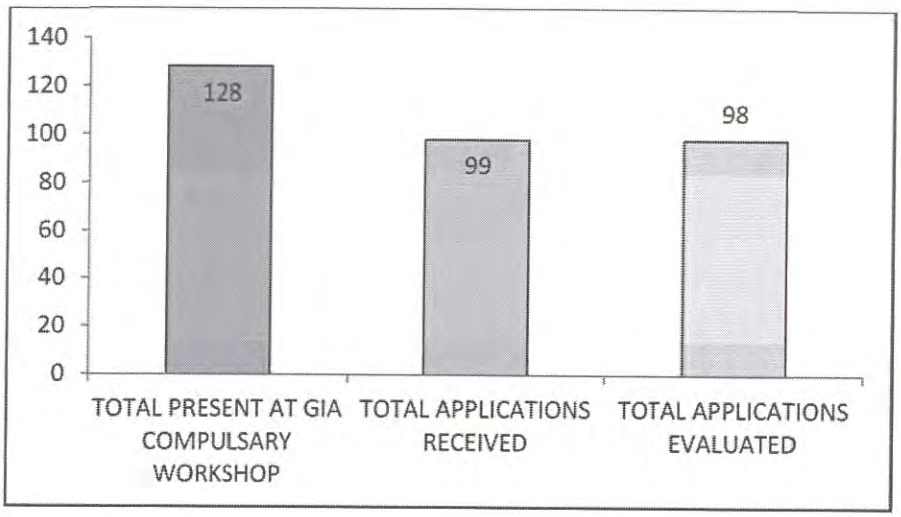
PURPOSE OF REPORT

The purpose of the report is to present Grants-in-aid applications to Council for approval.

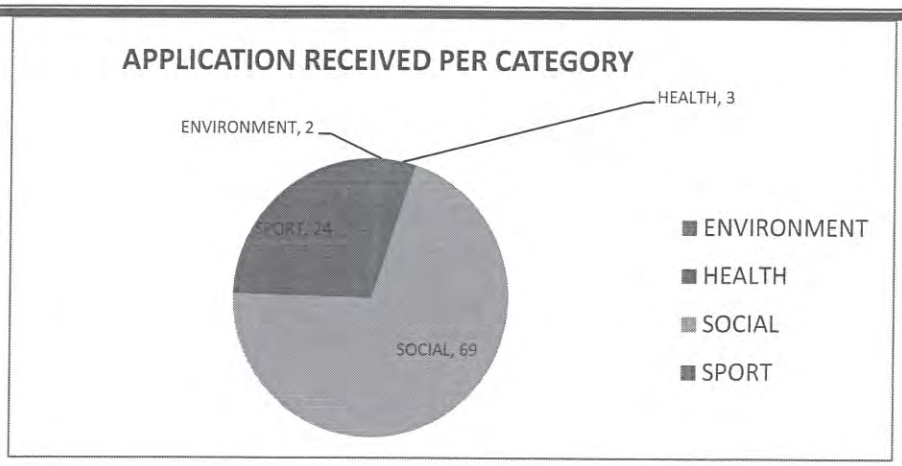
BACKGROUND

In terms of Council's Grants-in-Aid Policy, proposals / applications for grants-in-aid were called for by means of advertisement in the press on 03 March 2015 (Stellenbosch Gazette) and the 05 March 2015 edition of the Eikestad News. An invitation to attend the compulsory information workshop on 06 March 2015 was extended to all applicants through this advertisement to assist and give guidance on the policy and application procedure. One hundred and twenty eight (128) organizations attended the workshop.

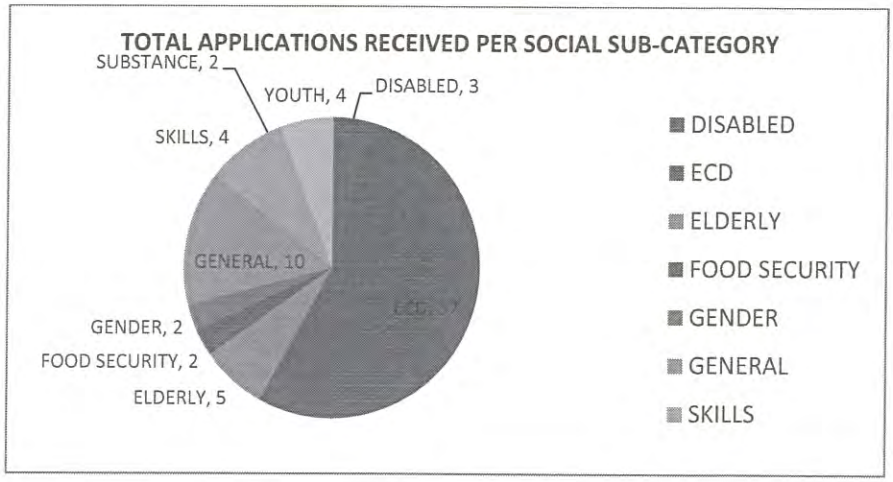
A breakdown of organizations attending the workshop in relation to proposal received can be illustrated as follow:



Evaluations were completed for applications in the below mentioned catagories.



The Social category was split into sub-categories as mentioned below.



DISCUSSION

3.1 Process

The Grant in Aid Policy with a change in time frame for donations to organizations was approved by council on 25 February 2015. The SCM process for advertisements was concluded on 26 February 2015 and the advertisement appeared in the Stellenbosch Gazette on 3 March 2015 and the Eikestad News on 5 March 2015. The compulsory information workshop was held on 6 March 2015 leaving one week till the closing date as advertised on 12 March 2015 at 10:00.

The policy now states that council will approve all donations as part of the budget process, thus to ensure Grant in Aid donations for the 2015/2016 financial year, submission for inclusion into the draft budget needed to be finalized by 16 March 2015. To allow the maximum time for applicants to comply with requirements all persons received information at the workshop that the due date will be moved to 13 March 2015 at 10:00. Failure to comply with the set timeframes would lead to Stellenbosch Municipality not making any Grant in Aid donations in the 2015/2016 financial year.

3.2 MOU's

As per the policy, donations can only be made to organizations after they have entered into an agreement with Stellenbosch Municipality. The Department Community Development will conclude the process of signing the agreements with the council approved organizations prior to effecting payment of the approved donation.

3.3 Feed-back Reports

2014/2015 financial year donations were paid to organizations in December 2014. It allows recipients to utilize the donations received until 30 June 2015. For this reason not all applicants were able to provide feedback reports. For this reason approved donations for the 2015/2016 financial year can only be affected after receipt of the feedback reports of funds previously received. The Department Community Development will ensure that all feedback reports are received before affecting payment.

3.4 Disclosures

Officials and politicians of Stellenbosch Municipality serve as board members on some of the organizations. As far as these are known it has been indicated and will be declared as part of the agreement signed with each successful applicant. A declaration will confirm that they do not receive any financial benefit from the donation made by the municipality.

3.5 Proposed/Provisional allocations

The policy makes provision for emerging organizations to not submit audited financial statements, but financial statements signed off by the chairperson and treasurer of the organization. In an effort to build capacity a financial management workshop was held in the 2014/2015 financial year and will be repeated prior to affecting payments. In order to ensure that the municipality is doing everything possible to ensure support to small organizations whilst taking cognisance of the need for proper financial controls, organizations not submitting audited financial statements will again be invited to a compulsory financial management workshop. For this reason a distinction is made between proposed donations (audited financial statements) and provisional donations (emerging organizations). This workshop will be concluded prior to July 2015 but after the final approval of the budget.

GRANT-IN-AID 2015/2016: APPENDIX 1

2015/16 GRANT-IN-AID

APPENDIX 1

Organization Name	Type of service	Amount received previously	Funds requested	Funds proposed		Application Content	Notes	Targeted Approach
SOCIAL								
CALEB DEVELOPMENT + TRAINING ASSOCIATI	SOCIAL - GENERAL	R 40,000.00	R 40,000.00	R 0.00	WARD: 20; 21	GENDER BASED VIOLENCE - RURAL FARM WOMEN	CONSTITUTION - INCOMPLETE/BANK FORM - NOT SIGNED	
SENECIO - UNAKHO	SOCIAL						DOUBLE-DIPPING REFER TO ENTRY 69	
UNITED NATIONS ASSOCIATIONS	SOCIAL - GENERAL	NONE	R 40,000.00	R 40,000.00	WARD: 14; 16; 17	HUMAN RIGHTS AWARENESS/LIFE-SKILLS/YOUTH EMPOWERMENT		PRIORITY WARD 17: YOUTH CENTRE
ACVV FRANSCHHOEK	SOCIAL - GENERAL	R 15,300.00	R 30,000.00	R 40,000.00	WARD: 1; 2; 3	POVERTY ALLEVIATION/CAPACITY BUILDING/CHILD PROTECTION		PRIORITY WARD 3: SAFETY
USIKO STELLENBOSCH	SPORT	R 33,661.00	R 60,000.00	R 40,000.00	ALL WARDS	GENERAL SUPPORT	FEEDBACK REPORT DUE 01-07-2015	PRIORITY WARD: 2, 3, 4, 5, 13, 17, 19,
FOUNTAIN OF JOY MINISTRIES	SOCIAL - GENERAL	NONE	R 29,000.00	R 0.00		AFTER SCHOOL PROGRAM/GENERAL SUPPORT	SUBMITTED LATE 12H15/CONSTITUTION WITH HAND WRITTEN 2ND NAME/FINANCIALS NOT SIGNED/NO AGM MINUTES TO INDICATE NAME CHANGE	
FRANSCHHOEK VALLEY TRANSFORMATION CH	SOCIAL - GENERAL	R 33,661.00	R 40,000.00	R 40,000.00	WARD: 1; 2; 3	SCHOOL LEADERS FORUM/FARM DIALOGUE PROJECT; CHOIR LEADERS TRAINING		PRIORITY WARD 2: SKILLS DEV PROGRAMMES WOMEN, YOUTH AND DISABLED

Organization Name	Type of service	Amount received previously	Funds requested	Funds proposed		Application Content	Notes	Targeted Approach
ACVV STELLENBOSCH	SOCIAL - GENERAL	R 33,661.00	R 40,000.00	R 40,000.00	WARD: 6; 8; 9; 10; 12; 16	YOUTH/CHILDREN: CHILD ABUSE/LIFE-SKILLS/HOLIDAY PROGRAMME		PRIORITY WARD 6 + 10: YOUTH DEVELOPMENT
THE CAREGIVERS FOUNDATION	SOCIAL - GENERAL	NONE	R 40,000.00	R 0.00	WARD: 16; 17	AFTER SCHOOL PROGRAMMES: MATH TUTORING/RENT/STATIONERY	NO CONSTITUTION/NO FINANCIAL REPORTS/BANK ACCOUNT NAME NOT ON FORM	
FRANCO	SOCIAL - GENERAL	R 12,000.00	R 30,000.00	R 0.00	WARD: 1; 2	NETBALL & CRICKET EQUIPMENT/GEAR	CONSTITUTION: NOT SIGNED/NO FINANCIALS	
LORD's ACRE CHRISTIAN COMMUNITY CENTRE	SOCIAL - GENERAL	R 33,661.00	R 40,000.00	R 0.00	WARD: 1-3	GENERAL SUPPORT	BOARD-MEMBERS 8 ACCORDING TO THE CONSTITUTION *EXPENDITURE ON ACORN DAYCARE A SEPARATE ENTITY WHO ALSO APPLIED	
ELDERLY								
FLEUR DE LIS	ELDERLY	R 20,000.00	R 46,523.00	R 0.00	WARD: 1	GENERAL SUPPORT		NOT LINKED TO WARD PRIORITY
UTOPIA	SOCIAL - ELDERLY	R 40,000.00	R 57,875.00	R 0.00	WARD: CBD	GENERAL MAINTENANCE		NOT LINKED TO WARD PRIORITY
KAYAMANDI SERVICE CENTRE	ELDERLY	NONE	NOT SPECIFIED	R 0.00	WARD: 14	GENERAL SUPPORT		NOT LINKED TO WARD PRIORITY

Organization Name	Type of service	Amount received previously	Funds requested	Funds proposed		Application Content	Notes	Targeted Approach
AZALEAHOF ACVV DIENSTAK	SOCIAL - ELDERLY	R 33,661.00	R 50,730.00	R 0.00	WARD: 8	EQUIPMENT: GAS STOVE		NOT LINKED TO WARD PRIORITY
GELUKSOORD NUTSMAATSKAPPY	SOCIAL - ELDERLY	R 33,661.00	R 52,200.60	R 0.00	WARD: 11	GENERAL SUPPORT		NOT LINKED TO WARD PRIORITY
GENDER								
SINGLE PARENTS IN ACTION	SOCIAL - GENDER	R 36,000.00	R 55,000.00	R 0.00	WARD: 11; 12; 13;	LIFE-SKILLS (GIRL CAMP)/MENTORSHIP	BANK FORM NOT SIGNED	
KAYAMANDI WOMEN & CHILDREN DEVELOPME	SOCIAL - GENDER	R 33,661.00	NOT SPECIFIED	R 0.00	WARD: 11-14	AWARENESS/EQUIPMENT/GROCERIES	BANK FORM: NOT SIGNED	
SKILLS DEVELOPMENT								
STELLEMPLOY	SOCIAL - SKILLS DEVELOPMENT	R 33,661.00	R 40,000.00	R 40,000.00	ALL WARDS	TRAINING: PLASTERING SKILLS	FEEDBACK REPORT DUE 01-07-2015	IDP PRIORITY : SKILLS DEVELOPMENT
MATIE COMMUNITY SERVICES	SOCIAL - SKILLS DEVELOPMENT	R 33,661.00	R 40,000.00	R 40,000.00	WARDS: 5; 10; 11; 12; 13; 14; 15; 17	SKILLS TRAINING	FEEDBACK REPORT DUE 01-07-2015	IDP PRIORITY : SKILLS DEVELOPMENT
BERGZICHT TRAINING	SOCIAL - SKILLS DEVELOPMENT	R 33,661.00	R 40,000.00	R 40,000.00	ALL WARDS	TRAINING/TRANSPORT		IDP PRIORITY : SKILLS DEVELOPMENT
PINOTAGE YOUTH DEVELOPMENT	SOCIAL - SKILLS DEVELOPMENT	R 33,661.00	R 40,000.00	R 40,000.00	WARD 11	GENERAL SUPPORT		IDP PRIORITY : SKILLS DEVELOPMENT
DISABILITY								
HELDERBERG APD	SOCIAL - DISABLED	NONE	R 32,325.00	R 32,325.00	ALL WARDS	PEER SUPPORT PROJECT/RECRUITMENT & SELECTION/TRAINING/ FOCUS GROUPS		PRIORITY: COMMUNITY DEVELOPMENT STRATEGY
HUIS HORISON	SOCIAL - DISABLED	R 19,914.69	R 77,078.82	R 40,000.00	ALL WARDS	UPGRADING OF ELECTRICITY SYSTEM		PRIORITY: COMMUNITY DEVELOPMENT STRATEGY

Organization Name	Type of service	Amount received previously	Funds requested	Funds proposed		Application Content	Notes	Targeted Approach
STELLENBOSCH WORK CENTRE FOR ADULT PE	SOCIAL - DISABLED	R 33,661.00	R 40,000.00	R 40,000.00	WARD: 5; 6; 11; 12; 13; 14; 16; 17; 20; 21	GENERAL SUPPORT		PRIORITY: COMMUNITY DEVELOPMENT STRATEGY
SUBSTANCE ABUSE								
ABBA PROGRAMME OF BADISA	SOCIAL - SUBSTANCE ABUSE	R 33,661.00	R 35,000.00	R 35,000.00	WARD: 4;6;7;8;9;10;16;17	PREVENTION SCHOOL: MATERIAL/TRANSPORT /ACCOMMODATION		PRIORITY WARD 16: DRUG SMUGGLING
STANDING ROCK (PTY) LTD	SOCIAL - SUSTANCE ABUSE	NONE	R 50,000.00	R 0.00	WARD: 17	MEDICAL SERVICES/PHYCHOLOGICAL SERVICES/SOCIAL WORKER	PRIVATE BUSINESS. CONSTITUTION REQUIREMENT MORE THAN 4 MEMBERS - ONLY 3 INDICATED	
FOOD SECURITY								
SIYAHLUMA COMMUNITY DEVELOPMENT	SOCIAL - FOOD SECURITY	NONE	R 40,000.00	R 0.00	WARD: 12; 13; 14;15	EQUIPMENT: STOVE/FRIDGE/DISHES	CONSTITUTION: NOT SIGNED/NO FINANCIALS; FINANCIAL TRAINING REQUIRED	
STELLENBOSCH VOEDINGSAKSIE	SOCIAL - FOOD SECURITY	R 33,661.00	R 40,000.00	R 40,000.00	ALL WARDS	GENERAL SUPPORT	FEEDBACK REPORT DUE 01-07-2015	PRIORITY : DISASTER MANAGEMENT
YOUTH								
SETJHABA YOUTH AWARENESS	SOCIAL - YOUTH	R 33,661.00	R 205,000.00	R 0.00	WARD: 15	WENDY HOUSE + ERF	FINANCIALS NOT SIGNED; NOT SUFFICIENT PROOF OF FINANCIAL MANAGEMENT; FINANCIAL TRAINING REQUIRED; FEEDBACK REPORT DUE 01-07-2015	
VCSV	SOCIAL - YOUTH	R 33,661.00	NOT SPECIFIED	R 40,000.00	ALL WARDS	GENERAL SUPPORT		PRIORITY WARD: 2, 3, 4, 5, 13, 17, 19,

Organization Name	Type of service	Amount received previously	Funds requested	Funds proposed		Application Content	Notes	Targeted Approach
YOUTH EMPOWERMENT ACTION	SOCIAL - YOUTH	R 33,661.00	R 40,000.00	R 40,000.00	WARD: 1; 2; 3	GENERAL SUPPORT: TRANSPORT/EQUIPMENT/SKILLS DEVELOPMENT	FEEDBACK REPORT DUE 01-07-2015	PRIORITY WARD: 2, 3
LEGACY COMMUNITY DEVELOPMENT	SOCIAL - YOUTH	R 33,661.00	R 798,888.08	R 40,000.00	WARD: 12; 13:14	GENERAL SUPPORT	FEEDBACK REPORT DUE 01-07-2015	PRIORITY WARD 13
EARLY CHILDHOOD DEVELOPMENT (ECD)								
PHAKAMANI EDUCARE	ECD	R 33,661.00	R 39,800.00	R 0.00	WARD: 15	GENERAL SUPPORT	BANK FORM NOT SIGNED	
ACORN CHRISTIAN DAYCARE CENTRE	SOCIAL - ECD	R 40,000.00	R 40,000.00	R 0.00	WARD:1; 2; 3	EDUCATIONAL MATERIAL/OUTINGS	NO REGISTRATION CERTIFICATE	
ZENZELE CRECHE	ECD	NONE	R 36,575.00	R 0.00	WARD: 14	GENERAL SUPPORT	LATE SUBMISSION; BANK FORM NOT SIGNED	
LITHALETHU EDUCARE CENTRE	ECD	R 33,661.00	R 40,000.00	R 0.00	WARD: 15	WENDY HOUSE + STATI	BANK FORM: NOT SIGNED;FEEDBACK REPORT DUE 01-07-2015	
MASIMANYANE CRECHE	ECD	NONE	R 40,000.00	R 0.00	WARD: 14	FURNITURE & EQUIPME	CONSTITUTION: NOT SIGNED; FINANCIAL REPORT: NO; BANK FORM: NO ACCOUNT NAME/ INSUFFICIENT PROOF OF FINANCIAL MANAGEMENT	
SONWABILE CRECHE	ECD	R 33,661.00	R 40,000.00	R 0.00	WARD: 14	GENERAL SUPPORT	LATE SUBMISSION; FEEDBACK REPORT DUE 01-07-2015	
SIYANQOBA CRECHE	ECD	NONE	R 40,000.00	R 0.00	WARD: 14	GENERAL SUPPORT	LATE SUBMISSION; CONSTITUTION: NOT SIGNED; FINANCIALS: NO; BANK FORM: NO ACCOUNT NAME/FINANCIAL TRAINING REQUIRED	

Organization Name	Type of service	Amount received previously	Funds requested	Funds proposed		Application Content	Notes	Targeted Approach
SIVUYILE CRECHE	ECD	R 33,661.00	R 40,000.00	R 0.00	WARD: 14	GENERAL SUPPORT	BANK FORM: ACCOUNT NAME; FEEDBACK REPORT DUE 01-07-2015	
LILLIAN's AFTER CARE	ECD	NONE	R 35,500.00	R 0.00	WARD: 12	FURNITURE; TOILET-TREES & EQUIPMENT	LATE SUBMISSION;BANK FORM: ACCOUNT NAME	
MASONWABE CRECHE	ECD	NONE	NOT SPECIFIED	R 0.00	WARD: 15	NOT SPECIFIED	CONSTITUTION: NO; FINANCIALS: NO; NO PROPOSAL; NO BUDGET	
SIZAMILE CRECHE	ECD	R 33,661.00	R 50,000.00	R 0.00	WARD: 14	RENOVATIONS/MATRESSES/PAINT	LATE SUBMISSION; CONSTITUTION: NO; REGISTRATION CERTIFICATE: NO; FEEDBACK REPORT DUE 01-07-2015	
KHANYISA CRECHE	ECD	NONE	R 36,249.00	R 0.00	WARD: 17	GENERAL SUPPORT	LATE SUBMISSION; CONSTITUTION: NO; FINANCIALS: NO; BANK FORM: ACCOUNT NAME DIFFERS	
LUTHANDO EDUCARE	ECD	R 19,702.00	R 46,497.00	R 0.00	WARD: 14	EQUIPMENT	LATE SUBMISSION; BANK FORM: NOT SIGNED; NO PROPOSAL; FEEDBACK REPORT DUE 01-07-2015	
SIYAZAMA CRECHE	ECD	R 33,661.00	R 45,800.00	R 0.00	WARD: 14	GENERAL SUPPORT	BANK FORM NOT SIGNED; FEEDBACK REPORT DUE 01-07-2015	
MASIFUNDE CRECHE	ECD	R 12,540.00	R 40,000.00	R 0.00	WARD: 14	EQUIPMENT	CONSTITUTION: NOT SIGNED; FEEDBACK REPORT DUE 01-07-2015	

Organization Name	Type of service	Amount received previously	Funds requested	Funds proposed		Application Content	Notes	Targeted Approach
SIYAVUYA CRECHE	ECD	NONE	R 40,000.00	R 0.00	WARD: 12	GENERAL SUPPORT	FINANCIALS: NO; FINANCIAL TRAINING REQUIRED; INSUFFICIENT FINANCIAL MANAGEMENT	
MASIZAKHE CRECHE	ECD	R 33,661.00	R 75,000.00	R 40,000.00	WARD: 13	IT EQUIPMENT	FINANCIAL TRAINING REQUIRED, FEEDBACK REPORT DUE 01-07-2015	CONSTITUTION
SIBONGUMUSA CRECHE	ECD	R 21,000.00	R 40,000.00	R 0.00	WARD: 14	FAX MACHINE/STATIONERY /WENDY	BANK FORM: ACCOUNT NAME; FINANCIAL TRAINING REQUIRED	
OKUHLE CONNIES EDUCARE CENTRE	ECD	R 33,661.00	R 65,000.00	R 40,000.00	WARD: 15	TRANSPORT/FOOD GR	FEEDBACK REPORT DUE 01-07-2015	CONSTITUTION
TEMBALETHU CRECHE	ECD	R 21,500.00	R 40,000.00	R 0.00	WARD: 12	FURNITURE & EQUIPME	BANK FORM: ACCOUNT NAME; FINANCIAL TRAINING REQUIRED; FEEDBACK REPORT DUE 01-07-2015	
IKAMVA EDUCARE	ECD	R 16,698.00	R 19,848.00	R 0.00	WARD: 15	WASHING MACHINE/MAT/PAINT & BRUSHES	FINANCIALS: NO; FEEDBACK REPORT DUE 01-07-2015	
ISIBANE SEMPUMELELO EDUCARE	ECD	NONE	R 60,000.00	R 40,000.00	WARD: 15	BURGLAR BARS/TILES/CUTLERY/ CUPBOARDS/CHAIRS		CONSTITUTION
YETHU EDUCARE	ECD	R 33,661.00	R 40,000.00	R 0.00	WARD: 15	EXTENSION OF CRECHE	FINANCIALS: NO; FINANCIAL TRAINING REQUIRED; FEEDBACK REPORT DUE 01-07-2015	
KAYAMANDI ECD FORUM	ECD	NONE	R 495,000.00	R 0.00	WARD: 12-15	OUTINGS/T-SHIRTS/SPORTDAY/OFFICE EQUIOMENT/STORES	REGISTRATION CERTIFICATE: NO; FINANCIALS: NO	
UMTHA WEMFUNDO	ECD	R 14,000.00	R 38,000.00	R 0.00	WARD: 12	BANKING FORM: ACCOUNT NAME INCORRECT	BANKING FORM: ACCOUNT NAME INCORRECT; FEEDBACK REPORT DUE 01-07-2015	

Organization Name	Type of service	Amount received previously	Funds requested	Funds proposed		Application Content	Notes	Targeted Approach
NOXOLO EDUCARE CENTRE	ECD	R 33,661.00	R 60,000.00	R 0.00	WARD: 15	WASHING MACHINE/EDUCATIONAL TOYS	BANK FORM: ACCOUNT NAME	
THANDUXOLO DAY CARE	ECD	R 33,661.00	R 44,000.00	R 0.00	WARD: 15	FOOD/GROCERIES/EQU	FINANCIALS: NO; FINANCIAL TRAINING REQUIRED	
LITTLE TOTS CRECHE	ECD	NONE	R 22,200.00	R 0.00	WARD: 14	FURNITURE	LATE SUBMISSION;CONSTITUTION: NOT SIGNED; FINANCIALS: NO; APPLICATION NOT SIGNED;	
LIKAMOSO EDUCARE	ECD	NONE	R 40,000.00	R 40,000.00	WARD: 12	WENDY	FINANCIAL TRAINING REQUIRED	CONSTITUTION
NOLITHA'S CRECHE	ECD	NONE	R 40,000.00	R 0.00	WARD: 12	GENERAL SUPPORT	FINANCIALS: NOT DATED; FINANCIAL TRAINING REQUIRED; INSUFFICIENT FINANCIAL MANAGEMENT	
HAPPINESS KIDEO EDUCARE	ECD	R 33,661.00	R 60,990.00	R 40,000.00	WARD: 15	WENDY	FEEDBACK REPORT DUE 01-07-2015	CONSTITUTION
KABOUTERLAND EDUCARE	ECD	NONE	R 40,000.00	R 40,000.00	WARD: 1; 2	GENERAL SUPPORT		CONSTITUTION
ET DAY CARE CENTRE	ECD	NONE	NOT SPECIFIED	R 0.00	WARD: 18	RENOVATIONS	FINANCIALS: NO, FINANCIAL TRAINING REQUIRED	
EFATA EDUCARE CENTRE	ECD	NONE	R 20,000.00	R 0.00	WARD: 2	LEARNING EQUIPMENT	FINANCIALS: NO, FINANCIAL TRAINING REQUIRED	
LIWALETHU CRECHE	ECD	NONE	R 40,000.00	R 40,000.00	WARD: 1	GENERAL SUPPORT		CONSTITUTION

Organization Name	Type of service	Amount received previously	Funds requested	Funds proposed		Application Content	Notes	Targeted Approach
UNAKHO	ECD	R 33,661.00	R 41,000.00	R 0.00	WARD: 14;		FINANCIALS: NO/BANK FORM: WRONG ACCOUNT NAME	
SIMNI EDUCARE CENTRE	ECD	R 33,661.00	R 37,500.00	R 37,500.00	WARD: 15	PAINT/BRUSHES/CEILING/PAVING		CONSTITUTION
				R 984,825.00				
ENVIRONMENT								
MZAMOMHLE ENVIRONMENTAL PROJECT	ENVIRONMENT	R 33,661.00	R 50,000.00	R 0.00	WARD: 12-15	GENERAL SUPPORT	FINANCIALS: NO, FINANCIAL TRAINING REQUIRED	
CARBON LIFE	ENVIRONMENT	NONE	R 55,150.00	R 0.00	WARD: 12	CONTINUATION OF PILOT PROJECT/EQUIOMENT	BANK FORM SUBMITTED LATE SUBMISSION	
				R 0.00				
HEALTH								
STELLENBOSCH AIDS ACTION T/A @HEART	HEALTH	R 34,000.00	R 40,000.00	R 40,000.00	ALL WARDS	WELLNESS CENTRE/GENERAL ADDITIONAL TO EXPAND SERVICES		PRIORITY WARD 20
STELLENBOSCH HOSPICE	HEALTH	R 23,760.00	R 47,385.60	R 40,000.00	ALL WARDS	PARENTING TRAINING FOR CARE-GIVERS/TRANSPORT		PRIORITY WARD 20
CANSA	HEALTH	NONE	R 38,750.00	R 38,750.00	ALL WARDS	MEDICAL EQUIPMENT/WHEELCHAIRS/COMMODES/URINALS		PRIORITY WARD 20
				R 118,750.00				
SPORT & RECREATION (ARTS AND CULTURE)								
CELEBRATION GOSPEL CHOIR	SOCIAL	NONE	R 40,000.00	R 0.00	WARD: 12-15	UNIFORMS/TRANSPORT	FINANCIAL TRAINING NEEDED	NOT LINKED TO WARD PRIORITY
UNITED FOOTBALL CLUB	SPORT	R 33,661.00	R 40,000.00	R 0.00	WARD: 5; 6	GENERAL SUPPORT	NO REGISTRATION CERTIFICATE, FINANCIAL TRAINING REQUIRED	
INSPIRED2BECOME	SPORT	R 33,661.00	R 686,299.20	R 40,000.00	WARD: CBD	GENERAL SUPPORT		PRIORITY WARD 10

Organization Name	Type of service	Amount received previously	Funds requested	Funds proposed		Application Content	Notes	Targeted Approach
BREUGHEL THEATRE GROUP	SPORT & CULTURE	NONE	R 40,000.00	R 0.00	WARD: 16	ECD/YOUTH CAFÉ/PUPPETRY/CHOIR + THEATRE. COMMUNITY PARTICIPATION (DILBEEK MODEL) INCOME GENERATION	BANK ACCOUNT NAME DIFFERS	
IKAMVA LETHU DANCE GROUP	SPORT & CULTURE	NONE	R 39,700.00	R 0.00	WARD: 13	MUSIC EQUIPMENT/DANCE ATTIRE/GROUP BANNER	FINANCIAL TRAINING REQUIRED	NOT LINKED TO WARD PRIORITY
FIELD BAND FOUNDATION	SPORT & CULTURE	R 33,661.00	R 40,000.00	R 0.00	WARD: 12; 14	MEMBERSHIP EXPANSION/LIFE-SKILSS PROGRAMME/PERFORMING ARTS	NON-ATTENDANCE OF COMPULSORY WORKSHOP/BANK FORM NOT SIGNED	
KUYASA MOR	SPORT & CULTURE	R 385,600.00	R 37,322.00	R 0.00	WARD: 12;	YOUTH SPORT DEVELOPMENT/LIFE-SKILLS		NOT LINKED TO WARD PRIORITY
MATIES PARASPORT	SPORT & CULTURE	R 23,952.00	R 25,175.00	R 0.00	WARD: COETZENBURG	SAFETY EQUIPMENT	REGISTRATION CERTIFICATE: NO/BANK FORM: NOT ORIGINAL; FEEDBACK REPORT DUE 01-07-2015	
LONWABO	SPORT	NONE	R 50,000.00	R 0.00	WARD: 12; 13; 14;15	GENERAL SUPPORT	FINANCIAL TRAINING REQUIRED/ NO REGISTRATION CERTIFICATE/NO FINANCIALS	
RAITHBY UNIVERSALS RFC	SPORT	NONE	NOT SPECIFIED	R 0.00	WARD: 20	TRAINING EQUIPMENT/GEAR	CONSTITUTION: NOT SIGNED	
SPES BONA AFC	SPORT	NONE	R 42,750.00	R 0.00	WARD: 17	TRANSPORT/FIRST AID/REGISTRATION	FINANCIAL: NOT SIGNED; FINANCIAL TRAINING REQUIRED	
PNIEL VILLAGERS RFC	SPORT	R 33,661.00	R 50,000.00	R 0.00	WARD: 4	GENERAL SUPPORT		NOT LINKED TO WARD PRIORITY

Organization Name	Type of service	Amount received previously	Funds requested	Funds proposed		Application Content	Notes	Targeted Approach
CORONATION CRICKET CLUB	SPORT	R 13,110.00	R 75,000.00	R 0.00	WARD: 3; 4	GENERAL SUPPORT	FINANCIAL TRAINING REQUIRED	NOT LINKED TO WARD PRIORITY
SPORT IMPLEMENTATION FOUNDATION	SPORT	R 23,700.00	R 39,557.00	R 39,557.00	ALL WARDS	DEVELOPMENT: HOLIDAY CAMP	FEEDBACK REPORT DUE 01-07-2015	PRIORITY WARD: 2, 3, 4, 5, 13, 17, 19,
LANQUEDOC ALL STARS	SPORT	R 33,661.00	NOT SPECIFIED	R 0.00	WARD: 3	NO PROPOSAL	NON-ATTENDANCE OF COMPULSORY WORKSHOP	
KYLEMORE RFC	SPORT	NONE	R 40,000.00	R 0.00	WARD: 4	GENERAL SUPPORT		NOT LINKED TO WARD PRIORITY
GROOT DRAKENSTEIN GAMES CLUB	SPORT	R 33,661.00	R 70,000.00	R 0.00	WARD: 3	GENERAL SUPPORT		NOT LINKED TO WARD PRIORITY
STELLENBOSCH CORONATION RFC	SPORT	R 33,661.00	R 41,200.00	R 0.00	WARD: 6	TRANSPORT/FIRST AID	FEEDBACK REPORT DUE 01-07-2015	NOT LINKED TO WARD PRIORITY
STELLENBOSCH DISTRICT CC	SPORT	R 33,661.00	NOT SPECIFIED	R 0.00	WARD: 6	NO PROPOSAL	NO PROPOSAL; NO BUDGET; CONSTITUTION NOT SIGNED; FINANCIALS NOT SIGNED; NO REGISTRATION CERTIFICATE	
CELTIC UNITE FC	SPORT	NONE	R 35,729.15	R 0.00	WARD: 6	REGISTRATION: COACHING EQUIPMENT/UNIFORM	FINANCIAL TRAINING REQUIRED	NOT LINKED TO WARD PRIORITY
BLUE STARS RUGBY CLUB	SPORT	NONE	NOT SPECIFIED	R 0.00	WARD: 19	NO PROPOSAL	NO REGISTRATION CERTIFICATE; NO FINANCIAL REPORT; NO BUDGET/FINANCIAL TRAINING REQUIRED	
STELLENBOSCH LOCAL FOOTBALL ASSOCIATI	SPORT	NONE	R 47,000.00	R 40,000.00	ALL WARDS	CLUB ADMINISTRATION		PRIORITY WARD 10

Organization Name	Type of service	Amount received previously	Funds requested	Funds proposed		Application Content	Notes	Targeted Approach
IDASVALLEY SPORT BOARD	SPORT	NONE	NOT SPECIFIED	R 0.00	WARD: 6; 7	UPGRADING OF FACILITIES	CONSTITUTION NOT SIGNED; NO REGISTRATION CERTIFICATE	
JAMESTOWN SOCCER CLUB	SPORT	R 33,661.00	R 40,000.00	R 0.00	WARD: 21	JUNIOR DEVELOPMENT	FEEDBACK REPORT DUE 01-07-2015	NOT LINKED TO WARD PRIORITY
				R 119,557.00				

GRANT IN AID TOTAL 2015/2016 **R 1,223,132.00**

APPENDIX 2

2015/16 GRANT-IN-AID

APPENDIX 2

No for this item	No on APP 1	Ref No	Date Received	Organization Name	Type of service	Funds requested	Funds proposed		Application Content	Targeted Approach
	ELDERLY									
1	12	1	12-03-2015	FLEUR DE LIS	ELDERLY	R 46 523.00	R 40 000.00	WARD: 1	GENERAL SUPPORT	NOT LINKED TO WARD PRIORITY
2	13	47	13-03-2015	UTOPIA	SOCIAL - ELDERLY	R 57 875.00	R 40 000.00	WARD: CBD	GENERAL MAINTENANCE	NOT LINKED TO WARD PRIORITY
3	14	96	12-03-2015	KAYAMANDI SERVICE CENTRE	ELDERLY	NOT SPECIFIED	R 40 000.00	WARD: 14	GENERAL SUPPORT	NOT LINKED TO WARD PRIORITY
4	15	81	13-03-2015	AZALEAHOF ACVV DIENSTAK	SOCIAL - ELDERLY	R 50 730.00	R 40 000.00	WARD: 8	EQUIPMENT: GAS STOVE	NOT LINKED TO WARD PRIORITY
5	16	58	13-03-2015	GELUKSOORD NUTSMAATSKAPPY	SOCIAL - ELDERLY	R 52 200.60	R 40 000.00	WARD: 11	GENERAL SUPPORT	NOT LINKED TO WARD PRIORITY
							R 200 000.00			
	SPORT & RECREATION (ARTS AND CULTURE)									
6	76	123	12-03-2015	CELEBRATION GOSPEL CHOIR	SOCIAL	R 40 000.00	R 40 000.00	WARD: 12-15	UNIFORMS/TRANSPORT	NOT LINKED TO WARD PRIORITY
7	80	107	13-03-2015	IKAMVA LETHU DANCE GROUP	SPORT & CULTURE	R 39 700.00	R 39 700.00	WARD: 13	MUSIC EQUIPMENT/DANCE ATTIRE/GROUP BANNER	NOT LINKED TO WARD PRIORITY
8	82	32	13-03-2015	KUYASA MOR	SPORT & CULTURE	R 37 322.00	R 37 322.00	WARD: 12;	YOUTH SPORT DEVELOPMENT/LIFE-SKILLS	NOT LINKED TO WARD PRIORITY
9	87	59	13-03-2015	PNIEL VILLAGERS RFC	SPORT	R 50 000.00	R 40 000.00	WARD: 4	GENERAL SUPPORT	NOT LINKED TO WARD PRIORITY
10	88	20	13-03-2015	CORONATION CRICKET CLUB	SPORT	R 75 000.00	R 40 000.00	WARD: 3; 4	GENERAL SUPPORT	NOT LINKED TO WARD PRIORITY
11	91	29	13-03-2015	KYLEMORE RFC	SPORT	R 40 000.00	R 40 000.00	WARD: 4	GENERAL SUPPORT	NOT LINKED TO WARD PRIORITY
12	92	71	13-03-2015	GROOT DRAKENSTEIN GAMES CLUB	SPORT	R 70 000.00	R 40 000.00	WARD: 3	GENERAL SUPPORT	NOT LINKED TO WARD PRIORITY
13	93	76	13-03-2015	STELLENBOSCH CORONATION RFC	SPORT	R 41 200.00	R 40 000.00	WARD: 6	TRANSPORT/FIRST AID	NOT LINKED TO WARD PRIORITY
14	95	99	13-03-2015	CELTIC UNITE FC	SPORT	R 35 729.15	R 35 729.15	WARD: 6	REGISTRATION: COACHING EQUIPMENT/UNIFORM	NOT LINKED TO WARD PRIORITY
15	99	45	13-03-2015	JAMESTOWN SOCCER CLUB	SPORT	R 40 000.00	R 40 000.00	WARD: 21	JUNIOR DEVELOPMENT	NOT LINKED TO WARD PRIORITY
							R 392 751.15			
				GRANT IN AID TOTAL 2015/2016			R 592 751.15			

7.2 GRANT-IN-AID POLICY

File number : *5/P/5*

Compiled by : *Manager: Community Development*

Report by : *Director: Planning, Economic and Community Development*

Delegated Authority : *Council*

Strategic intent of item

Preferred investment destination	
Greenest municipality	
Safest valley	
Dignified Living	X
Good Governance	X

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1. PURPOSE OF REPORT

To obtain Council approval for Grant-in-Aid Policy with financial implications for 2016-2017.

2. BACKGROUND

The Grant-in-Aid Policy aims to provide a framework for Grants-In-Aid to non-governmental organisations (NGO's), community-based organisations (CBO's) or non-profit organisations (NPO's) and bodies that are used by government as an agency to serve the poor, marginalised or otherwise vulnerable as envisaged by Sections 12 and 67 of the Local Government: Municipal Finance Management Act, 2003 (Act 56 of 2003).

The purpose of the Grants-in-Aid Policy is to complement the goals, objectives, programmes and actions of the Stellenbosch Municipality's IDP, in order to create a sustainable, credible and caring municipality by empowering and building communities and enhancing growth and sharing through partnerships.

3. DISCUSSION

Stellenbosch Municipality through the Public Participation unit of the IDP department has over the years been successful in obtaining ward needs and prioritization of those needs. It has also become apparent that many of the needs identified through this process are of a social nature and that the municipality struggles to address these needs to the satisfaction of the community.

Stellenbosch Municipality has a responsibility to be responsive to the needs of the different wards and to align all available resources to be in line with that of the IDP. The changes to the Grant-in-Aid policy has thus been made to ensure that the donations given to organizations is also aligned to the IDP thereby giving effect to the purpose of the policy and to ensure that partnerships with civil society is built to collectively address the needs as expressed by the communities.

Summary of changes:

(a) The current policy stipulates that a maximum amount per organization of R 40 000,00 can be donated per annum. This still reflects in the policy to ensure that we can also deliver on the constitutional mandate of childcare facilities. The right of council to donate more than this amount is however added to clause 3.3 under the restriction that the proposal address specific ward priorities identified and specified in the IDP and that the applicant organization must be able to provide audited financial statements.

(b) The current policy indicates the need to align proposal to the IDP and more specifically to the strategic objective of the municipality. Alignment has been made more specific by adding the ward priorities as a measure to indicate alignment with the strategic objectives of the IDP.

With the above changes in the Grant-in-Aid Policy **(APPENDIX 1)**, Council will be able to create and support partnership with local NGO's to address the needs identified by the community during the IDP process. It will also assist with better accountability and report back to communities on funding directed specifically to the needs they have identified.

4. LEGAL IMPLICATION

Legal: Request for legal input with due date of 27 November 2015 submitted to legal services. None received.

5. FINANCIAL IMPLICATION

The changes to the policy does not lead to an increase in the budget, but aims to ensure alignment of all the municipality's resources with the IDP needs.

6. COMMENTS FROM OTHER RELEVANT DEPARTMENTS

6.1 IDP: Comments from the IDP department was incorporated into the policy, application and MOA documents.
Manager IDP: *"This is a very good initiative to align our efforts and confirming to our communities that 'we have heard them."*

6.2 Finance: Request submitted for comment with due date of 27 November 2015. None received.

RECOMMENDED

(a) that Council adopt the Grant-In-Aid Policy as a draft, in principle; and

(b) that the said Policy be advertised for public comment, whereafter same be resubmitted for final adoption.

(DIRECTOR: PLANNING, ECONOMIC AND COMMUNITY DEVELOPMENT COMMITTEE TO ACTION)

PLANNING AND ECONOMIC DEVELOPMENT COMMITTEE: 2016-02-02: ITEM 6.1.2

RECOMMENDED

(a) that Council adopt the Grant-In-Aid Policy as a draft, in principle; and

(b) that the said Policy be advertised for public comment, whereafter same be resubmitted for final adoption.

(DIRECTOR: PLANNING, ECONOMIC AND COMMUNITY DEVELOPMENT COMMITTEE TO ACTION)

MAYORAL COMMITTEE MEETING: 2016-02-17: ITEM 5.1.2

It is noted that this item refers to the amendments to the Draft Grant-In-Aid Policy; it is also noted that the subsequent input received from Legal Services is that the item is supported.

RECOMMENDED BY THE EXECUTIVE MAYOR

(a) that Council adopt the amendments of the Draft Grant-In-Aid Policy, in principle; and

(b) that the said Policy be advertised for public comment, whereafter same be resubmitted for final adoption.

(DIRECTOR: PLANNING, ECONOMIC AND COMMUNITY DEVELOPMENT COMMITTEE TO ACTION)

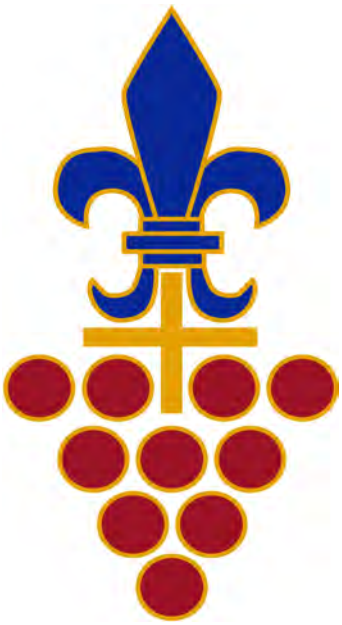
ITEM 7.2

APPENDIX 1

GRANT-IN-AID POLICY

38TH COUNCIL MEETING:
2016-02-24

STELLENBOSCH MUNICIPALITY



GRANTS-IN-AID POLICY

IN TERMS OF SECTION 67 OF THE MUNICIPAL FINANCE MANAGEMENT ACT, 2003
(ACT 56 OF 2003)

2016-2017

CONTENTS **PAGE NO**

1. PURPOSE, AIMS AND OBJECTIVES

1.1 This policy aims to provide a framework for grants-in-aid to non-governmental organisations (NGOs), community-based organisations (CBOs) or non-profit organisations (NPOs) and bodies that are used by government as an agency to serve the poor, marginalised or otherwise vulnerable as envisaged by Sections 12 and 67 of the Local Government: Municipal Finance Management Act, 2003 (Act 56 of 2003).

1.2 The purpose of the Grants-in-Aid Policy is **to complement the goals, objectives, programmes and actions of the Stellenbosch Municipality's Integrated Development Programme (IDP)**, in order to create a sustainable, credible and caring municipality by empowering and building communities and enhancing growth and sharing through partnerships. Priority ward needs as identified through Council's IDP MUST be the guiding factor in developing these partnerships.

1.3 Grants-in-Aid should not duplicate operations already provided for in Council or within the jurisdiction of Council.

1.4 Grants-in-Aid should improve the opportunity for Council to elicit the support of external organisations to deliver those services to communities which fall within the Council's area of responsibility in a way that allows the town to create an enabling environment for community development.

2. LEGAL FRAMEWORK

2.1 All transfers of funds in terms of this policy shall comply with the:

(i) Constitution of the Republic of South Africa, 1996 as amended (Constitution);
(ii) Local Government: Municipal Systems Act, 2000 (Act 32 of 2000) as amended (MSA);
(iii) Local Government: Municipal Finance Management Act, 2003 (Act 56 of 2003)(MFMA); and
(iv) Any other applicable legislation, regulations and policies that may govern the transfer of municipal funds and that are not in contradiction to the above.

3. RESTRICTIONS

3.1 The Policy applies to all transfers of grants made by the Municipality towards support of services for the poor, marginalized or otherwise vulnerable people.

3.2 The total expenditure on grants may not exceed 1% of the operational budget of the Municipality.

3.3 Transfers may be made to **a maximum of R40 000-00** per organisation or body. Council may however exceed this amount, but only in a case where the proposal addresses specific ward priorities identified and specified in the IDP. **Consideration for grants larger than R 40 000,00 requires audited financial statements.**

3.4 Grants-in-Aid transfers/payments shall be restricted to deserving organisations and bodies serving, especially those working with the poor/aged/youth/disabled/women, as per the eligible categories in 5.2, provided that such organisations or bodies:

(i) operate as a separate legal entity and are recognised as such by South African legislation;

(ii) are governed by their constitutions, have regular meetings with their membership and subscribe to sound accounting practices; and

(iii) are located and serve communities and individuals who are most in need within the jurisdiction of the Municipality.

3.5 No Grants-in-Aid may be made to any political body, rate payers association or for religious purposes.

3.6 No grants will be allocated, under this policy, to organisations or bodies in cases where a member of Council or an official of Stellenbosch Municipality receives any financial or other gain.

3.7 Individuals may not apply for Grants-in-Aid and no payments may be made under this policy to individuals. Council may however set aside a specific amount from which the Municipal Manager, after consultation with the Executive Mayor, may, at his/her discretion, make donations to support individual, meritorious cases in order to assist and/or recognise individual excellence in whichever field. Bursaries to individuals are treated according to the Council's Bursary Policy.

3.8 Funds may only be transferred to an organisation or body if provision has been made for the expenditure on the budget or appropriations budget.

3.9 An organisation or body is only entitled to one allocation per financial year, but disbursements can be made more often.

4. PUBLIC ADVERTISEMENT

4.1 The Municipal Manager must, place a public advert in local newspapers distributed in the Stellenbosch Municipal area, calling for proposals. This advert must be placed in time to complete all relevant processes prior to the approval of the draft budget in order to invite public comment on the proposed donations prior to the approval of the final budget.

4.2 Advertisements should clearly specify the categories for which proposals are called, the closing date for applications, who they should be addressed to, and where and how to obtain the relevant documentation pertaining to such applications, including the prescribed forms. Only applications made on the prescribed forms may be considered. Advertisements should also clearly reflect the Municipality's right not to make an award, as well as the fact that awards will not be made to organisations that have received funds in the previous year but have not submitted a final report on the projects or previous expenditure. The advertisement should also clearly state that final approval is reliant on the approval of the budget and that no late submissions will be considered.

4.3 Funds may not be transferred to any organisation or body that has not submitted a proposal in response to a public advertisement and that have not signed an agreement with the municipality.

5. GENERAL GUIDELINES AND CATEGORIES

5.1 General Guidelines

Funding of applications will primarily be considered on an annual basis in response to the annual advertisement and after a compulsory workshop explaining the policy, application process and required documentation has been attended by the applicants. Council reserves the right not to fund an organisation two years in succession.

Funding will **not** be considered in the following instances:

(i) Where a project or organisation is already receiving funds from Council in terms of Council's functions. Applicants are required to disclose other sources of funding;
(ii) where in Council's opinion, an organisation receives sufficient funds from other sources to sustain its activities or the project applied for. For this purpose, organisations must submit financial statements and a budget for the ensuing financial year;
(iii) where only an individual will benefit;
(iv) for political or ratepayers organisations/groupings;
(v) projects outside the boundaries of the Municipality;
(vi) where expenses have already been incurred, and
(vii) where applications were received after the due date for submissions

Funding of projects and to organisations shall exclude travel costs, subsistence, accommodation, food or entertainment expenses of any kind, staff salaries, capital costs, bursaries, payments in lieu of rates or other municipal charges except for where the transport is intended for beneficiaries/participants in the projects in question.

Subsequent requests from applicants to cover overspending on projects will not be considered.

5.2 **Categories Eligible for Grants-in-Aid**

The following categories currently apply. Cognisance should be taken that these categories are not exhaustive. Other than the general guidelines and conditions set out above, categories now indicated may require specific criteria applicable to its projects/programmes:

(a) Health

Projects/programmes include the following but are not limited to:

(i) Public Health interventions inclusive of TB, STDs and HIV/Aids;
(ii) preventable lifestyle diseases e.g. drug/alcohol abuse, tobacco related illnesses; and
(iii) promotive and preventative services to infants, children and women.

(b) Environment

Purpose: To stimulate the development of sustainable leisure, aesthetic and environmental projects within the municipal area; to increase the awareness of the environment by promoting "Greening of the City"; to promote swimming skills and water safety.
Projects/programmes include the following but are not limited to:

(i) Voluntary rescue organisations;
(ii) lifesaving clubs and swimming organisations;
(iii) environmental groups/organisations; and
(iv) organisations promoting community involvement as a means of sustaining leisure, aesthetic or environmental projects.
(v) projects which further the Council's aims and the strategies of SEMF (Strategic Environmental Management Framework) and including but not limited to the sustainable management of:
- riverine corridors;
- biodiversity;
- natural and built environment;
- heritage resources;
- quality urban spaces;
- ecological conservation areas;
- urban agricultural complexes;
- bioregional planning;
- nature area management;
- Wetlands;
- Local Agenda 21 projects;

(c) Solid Waste (Cleansing)

Purpose: Waste Reduction and awareness.
Projects/programmes include the following but are not limited to:

(i) Waste reduction and awareness;
(ii) educational programmes/projects addressing litter and waste handling; and
(iii) waste minimisation solutions.

(d) Social Development

Purpose: The promotion of projects/programmes which stimulates the Stellenbosch Municipality's Integrated Development Plan (IDP) focusing especially on the needs of the most marginalised sectors in the greater Stellenbosch as identified in the ward priorities.
Projects/programmes include the following but are not limited to:

(i) Poverty alleviation;
(ii) urban renewal;
(iii) capacity building of communities;
(iv) youth development;
(v) women and gender development;
(vi) early childhood development;
(vii) street people programmes;
(viii) Arts and culture programmes
(ix) facilitation of public participation processes; arts and culture programmes
(x) development of disabled persons, and
(xi) development of elderly people

(e) Sports and Recreation

Purpose: To stimulate the development of sustainable Sport and Recreation infrastructure and programmes within the municipal area especially targeting disadvantaged communities; encourage creativity and self-reliance on the part of grassroots sport and recreation bodies or groups; to increase participation in sport and recreation programmes and activities.
Projects/programmes include the following but are not limited to:

(i) Local sport and recreation clubs;
(ii) schools sports teams or athletes;
(iii) local sport and recreation councils or associations;
(iv) informal sport and recreation groups; and
(v) civic, community and non-governmental organisations.

(f) Projects aligned to the strategic objectives of the municipality as described in the IDP

Purpose: The promotion of projects/programmes which stimulates the Stellenbosch Municipality's Integrated Development Plan (IDP) **focussing on the strategic objectives of the municipality and identified ward priorities.**
Projects/programmes include the following strategic objectives but are not limited to:

(i) Preferred Investment Destination
(ii) Greenest municipality
(iii) Dignified Living and
(iv) Safest Valley
(v) Good governance and Compliance

6. APPLICATION PROCEDURE

Applications and proposal for Grants-in-Aid must be on the prescribed form stated in 4.3 above, a copy of which is attached hereto as Annexure A. Applications must be accompanied by a covering letter on the letterhead of the organisation or body, signed by the head of the organisation or body and must include the following information:

(a) The applicant's legal name and a brief description of the applicant organisation's or body's business;

(b) if the applicant claims to be a non-profit organisation, the registration number;

(c) the date of establishment, details of the applicant's members, founding documents, including constitution and certificates of incorporation;

(d) a contact name, full street address, telephone number and e-mail address;

(e) if funding is required for a specific project, a brief description of the project and what it aims to achieve, as well as the detailed budget for and duration of the project;

(f) A description on how the project aligns with the needs identified in the community through the IDP process and which ward priorities will be addressed through the project.

(g) if the request is for general support, the organisation's or body's overall budget must be included;

(h) references, independent of the applicant and its executive;

(i) most recent audited financial statements (subject to MFMA, section 67, (4)) statements; or at least statements signed off by the treasurer and chairperson of the organization in the case of small emerging organizations.;

(j) a summary of past achievements;

(k) a declaration by the head of the organization to the satisfaction of the Municipal Manager, that the organisation or body implements effective, efficient and transparent financial management and internal control mechanisms to guard against fraud, theft and financial mismanagement and has in the past complied with requirements for similar transfers of funds; and

(l) notwithstanding the above requirements, the CFO after considering the merits of an application not complying with the minimum application criteria and after consulting the Municipal Manager, may for the purpose of this policy approve a deviation from the norm.

7. OBLIGATIONS OF THE APPLICANT

7.1 The head of the organisation or body must acknowledge in writing to the Municipal Manager that the money was received in its bank account and that the amount is/will be utilised to the benefit and in accordance with the role of the organisation or body in society. The funds should be used as outlined in the application form.

7.2 The organisation or body shall regularly report, if and when required but at least once a year, to the Municipal Manager regarding the activities conducted, the ward within which activities are conducted, as well as the number of people benefiting from the activities.

7.3 If funding is required for a specific project, a brief description of the project and what it aims to achieve, as well as the detailed budget for and duration of the project.

7.4 The applicant must attend a compulsory workshop on the Grant in Aid policy and application procedure prior to submission of the application

8. RIGHTS OF THE MUNICIPALITY

8.1 The Municipality shall be entitled, from time-to-time, to verify and inspect the existence and activities of the organisation or body. The municipality will therefore have the right to physically visit the premises where the organisation, or the funded project, is based; to peruse the budgets and any progress reports related to the project (in contract).

8.2 The Municipality shall manage contracts entered into with organisations or bodies by receiving reports and doing the necessary site visits and inspections to ensure that this policy and contract are being complied with.

8.3 The Municipality has the right not to give a grant-in-aid to any or all organisations applying for grants. Having been awarded a grant previously does not give an applicant the right to receive a grant again.

8.4 The Municipality will run proposed donations through a public participation process before final awards are made.

9. AGREEMENT

Before any funds are transferred to an organisation an agreement (Annexure B) must be concluded by the Municipal Manager with the beneficiary to protect the interest of the Municipality.

10. DEVIATION

This policy constitutes the entire framework for grants in aid and no deviation will be entertained.

11. COMMENCEMENT

This Policy takes effect on the date on which it is adopted by the Council of Stellenbosch Municipality.

7.3 PROGRESS REPORT: ELECTRICAL SERVICES MASTER PLAN

File number : *8/1/Engineering Services*

Report by : *Acting Director: Engineering Services*

Compiled by : *Acting Manager: Electrical Services*

Delegated Authority : *Council*

Strategic intent of item

Preferred investment destination	X
Greenest municipality	X
Safest valley	X
Dignified Living	X
Good Governance	X

1. PURPOSE OF REPORT

To present the Electricity Master-plan to council for adoption.

2. BACKGROUND

Council at its 33rd meeting held on 25 August 2015 resolved that:

"that this matter be referred back to allow the Administration to submit a Progress Report to Council as mentioned in the item".

Although the previous masterplan was done with a 20 year view, it has become outdated, because of unforeseen changes and as time goes on. The consultant therefore has to be reviewed every 6 years. The service provider, Royal Haskoning was therefore appointed for the update of Electricity Master-plan.

3. DISCUSSION

Information was sourced from the existing electrical network. The future development plans for the Municipality and future trends were also taken in consideration during the compilation of the plan.

The consultants made proposals for upgrades and future extension improvements that need to be done to ensure sufficient capacity, stability and quality of supply. Provisional cost estimates are included for each project.

A positive aspect is that there is no immediate crisis which means that the Electricity Department performed well looking after the system and the required planning and upgrades.

However there are challenges for the future to keep the Electrical network in a healthy state. The plan will guide the department for the next few years to plan and budget. Due to the projected inaccuracies that escalate over time, the Stellenbosch Electricity Masterplan will have to be reviewed within 6 years.

Copies of the plan are available in electronic format from the Manager: Electrical Services' office.

RECOMMENDED

that Council adopts the Master-plan for the Electrical distribution system and that it be used and implemented by the Electricity Department.

(ACTING DIRECTOR: ENGINEERING SERVICES TO ACTION)

ENGINEERING SERVICES AND HUMAN SETTLEMENTS COMMITTEE MEETING: 2016-02-03: ITEM 5.1.2

RECOMMENDED

that Council adopts the Master-plan for the Electrical distribution system and that it be used and implemented by the Electricity Department.

(ACTING DIRECTOR: ENGINEERING SERVICES TO ACTION)

MAYORAL COMMITTEE MEETING: 2016-02-17: ITEM 5.1.4

RECOMMENDED BY THE EXECUTIVE MAYOR

that Council adopts the Master-plan for the Electrical distribution system and that it be used and implemented by the Electricity Department.

(ACTING DIRECTOR: ENGINEERING SERVICES TO ACTION)

ITEM 7.3

APPENDIX 1

PROGRESS REPORT: ELECTRICAL SERVICES MASTER PLAN

38TH COUNCIL MEETING: 2016-02-24

Report :-
Electrical Infrastructure Master Plan

Revision 0
June 2015

Stellenbosch Municipality

Contract No. : B/SM 50/14
Order No. : PO0295678
Project Title : Electrical Infrastructure Master Plan
Project No. : I01.CPT.000152

Royal HaskoningDHV
Enhancing Society Together

STELLENBOSCH
STELLENBOSCH • PNIEL • FRANSCHHOEK
MUNISIPALITEIT • UMASIPALA • MUNICIPALITY

ROYAL HASKONINGDHV DOCUMENT APPROVAL

DESCRIPTION	NAME	SIGNED	DATE
Project Manager	B W REID		26.06.2015

Contributors:

Beukes Kotze – Masterplan

Gideon Henning – Condition assesment

James Niemann, John King, Busisiswe Paliso, Apiwe Zweni – Data collectors

ROYAL HASKONINGDHV REVISION CONTROL

0	26/06/2015	First issue
REV	**DATE**	**DESCRIPTION OF CHANGES**

EXECUTIVE SUMMARY

Royal HaskoningDHV (Pty) Ltd was appointed as a consultant to Stellenbosch Municipality to assess the electrical infrastructure and prepare a 20 year master plan for the Municipality (order no. PO295678).

RHDHV have identified that the electrical network is currently constrained by firm transformer capacity at Jan Marais Substation. Unless electricity demand slows considerably, firm transformer capacity will be exceeded at Stellenbosch Main Substation within the study horizon.

Growth in electricity demand is likely to continue at 3 % and 4 % per annum for Stellenbosch and Franschhoek respectively resulting in the demand increasing from approximately 75 and 9 MVA to 140 and 20 MVA respectively over the 20-year forecast period. High growth and low growth scenarios in Stellenbosch provide a range of approximately 97 MVA to 157 MVA in 2034. This growth is largely attributable to residential property developments with notable development of land for industrial or commercial purposes.

This growth in electricity demand results in the recommendation to commission a new, Kayamandi HV/MV substation. The location of this substation leverages full benefit from the proximity to the 66 kV rural OHL. Strengthening of the MV network in the north will alleviate the pressure on the Cloetesville and University Substations, as well as the Stellenbosch internal 66 kV cabled network. To achieve firm transformation capacity upgrades are proposed for Jan Marais and Stellenbosch Main, and depending on load growth at Cloetesville, Golf Club and Franschhoek Substations. The future network has been thoroughly simulated and provides N-1 redundancy and acceptable voltage regulation under peak loading conditions.

The overall condition of the existing electrical infrastructure appears good given the age of the equipment installed. RHDHV recommends the planned replacement of older power transformers approaching 40 years and the continuation of current efforts to upgrade obsolete, oil-filled switchgear at distribution substations. A few smaller but equally important items have been identified for a number of substations. These have been presented for information and inclusion in separate maintenance plans or projects (as they fall outside the scope of the master plan itself).

Project schedules have been prepared for the network development projects. These aim to assist the Municipality in preparing for and planning the timeously catering ofthe forecast load growth. The timing of the projects is driven by the load forecast and may require slight adaption in years to come as the forecast error is likely to increase when unforeseen external factors and influences arise. The resulting impact of any forecast error will materialise primarily in the timing of the network expansion. The recommendations (i.e. projects) will still be valid but may need to be delayed or brought forward based on the timing of actual future demand.

A provisional cost estimate for each project has been included in the report. Total costs for the twenty year period are in the region of R184 - R119 million in 2015 monetary terms. Depending on available funding it may be necessary to adjust the network development schedules.

The Municipality has a robust electrical network and the implementation of the recommended development plans will build on this foundation to ensure an even more reliable and dependable electricity supply in support of the Municipality's socio-economic objectives and to the benefit of the South African economy as a whole.

NOTICE

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF ACRONYMS AND ABBREVIATIONS

ac	Alternating Current
ACSR	Aluminium Conductor Steel Reinforced
AIS	Air-insulated Switchgear
BTU	Battery Tripping Unit
CBD	Central Business District (refers to the centre of town)
FTSE	Financial Times and Stock Exchange
HG	High growth scenario
HV	High Voltage (refers to the 66 kV network)
kV	kilo Volt
kVA	kilo Volt Ampere
LG	Low growth scenario
MD	Maximum Demand
MV	Medium Voltage (refers to the 11 kV network)
MVA	Mega Volt Ampere
N-1	Refers to a redundancy scenario where the capacity is calculated as the total sum of the individual units less the largest single unit (i.e. the worst case scenario considering only a single failure). Sometimes referred to as the *contingency* or *firm capacity*.
NMD	Notified Maximum Demand
OEM	Original Equipment Manufacturer
OHL	Overhead Line / Overhead Power Line
p.a.	per annum
PoS	Point of supply
pu	per unit
R^2	Coefficient of Determination
RG	Most-likely growth scenario (realistic growth)
RHDHV	Royal HaskoningDHV (the “Consultant”)
SF_6	Sulphur Hexafluoride
Sub	Substation
SWBD	Switchboard
TRN	Transformer
Tx	Transformer

1. INTRODUCTION

Stellenbosch Municipality appointed Royal HaskoningDHV for professional services, under contract no. B/SM 50/14 - PO295678, to prepare a 20 year electrical infrastructure master plan for the Municipality.

The primary purpose of the study is to provide the Municipality with a long-term plan for the development and renewal of their electrical infrastructure.

The scope of professional services included:

- Data collection and visual inspection of all substations forming a part of the study as part of a condition assessment of the existing infrastructure.
- Preparation of a suitable load forecast with low growth, most-likely growth[1], and high growth scenarios. The load forecast is based on town planning information, historic load growth, and information available for the existing electrical network.
- A load flow study utilising DIgSILENT PowerFactory® electrical simulation software. The study assessed the capacity and loading of the electrical infrastructure.
- Master planning based on the load flow study and condition assessment of existing infrastructure. The plan is prepared for the low growth, most-likely growth and high growth scenarios aligning with the load forecast. The study presents the "as-is" situation with a 20-year network development plan and associated project implementation timelines.
- The preparation of provisional cost estimates based on the recommendations included in the master plan.

The master plan covers the 66 kV and portions of the 11 kV network. The 11 kV network study includes all 11 kV substations that receive a direct inter-connection from another 11 kV substation[2].

[1] The most-likely growth scenario is abbreviated "RG" (realistic growth) for use as a column header in the summary tables presented later in this report.

The study is based on, and therefore also limited by, information available from the Municipality.

The study area is shown Figure 1-1 (for further details refer to Appendix A).

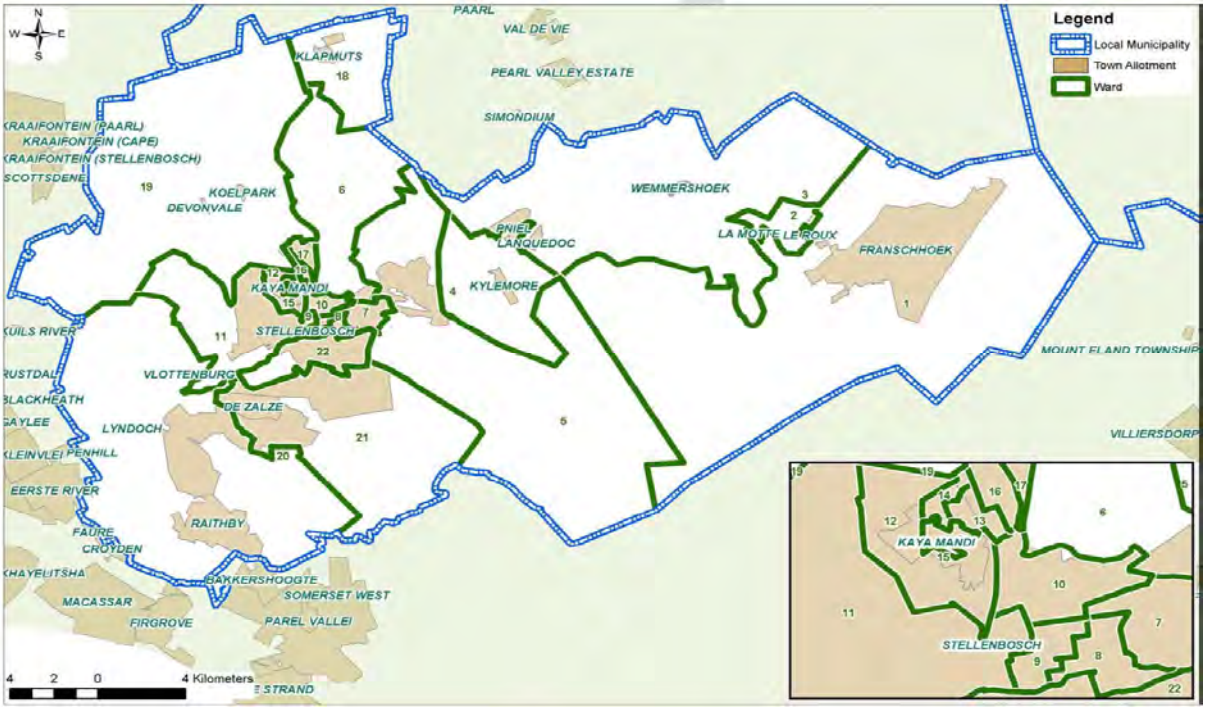


Figure 1-1 : Stellenbosch Municipal Boundary (Study Area)

This report will start with a presentation of the load forecast for the respective geographical areas and substations and provide the basis for the load growth scenarios. This is followed by a brief condition assessment of existing infrastructure and then details of the load flow study and associated results. Network development projects are then explained, which cater for the 2034 low growth, most-likely growth and high growth scenarios. Thereafter a provisional cost estimate of the proposed developments will be presented and the scheduling of the projects discussed. The report will end with a summary conclusion and consolidated recommendations for the Municipality to consider.

[2] Stated differently, all interconnections between 11 kV substations which deliver power to other consumers between the substations are excluded. Such interconnections are normally operated with an open point and are used to provide flexibility at the distribution level.

2. LOAD FORECAST

2.1 Historic Network Loading and Demand Growth

2.1.1 Historic Loading

The Municipality currently has various supply points from Eskom. For the purposes of this study the supply points are divided in three categories:

1. Main supply points. These supplies are typically at 66kV and include Municipal transformation substations, primary 11kV network and switching substations. Strategic municipal planning is required for this category to plan bulk supply upgrades timeously to ensure that growth is maintained.
2. Secondary supply points. These supplies are at 11kV and feed interconnecting Miniature substations in smaller towns. Strategic inputs need to be issued to Eskom to enable for inclusion in their long term planning.
3. Rural feeds. Limited number of MV/LV transformers with no information regarding future developments.

The next table indicates the type of assessment which was competed per supply point category.

Table 2-1 : Assessment per supply point category

Category	Eskom Supply points	Load forecast	Network analysis
1 (Main)	Stellenbosch Main Substation Cloetesville Substation Franschhoek Substation	Yes	Yes
2 (Secondary)	Kylemore Substation Klapmuts Substation Jamestown Substation	Yes	No
3 (Rural)	Areas including: Raithby La Motte Etc.	No	No

The completed assessment aims to generate the required planning outputs for each category.

Figure 2-1 shows the maximum demand as recorded for each point of supply for the 12 months ending July 2014. It is important to note the following:

- The Municipality has a Summer load peak each year.
- Distell which represents 7% of the maximum demand, has a seasonal peak from January to March.
- Figure 2.1 represents the sum of the Cloetesville and Stellenbosch incoming supply.

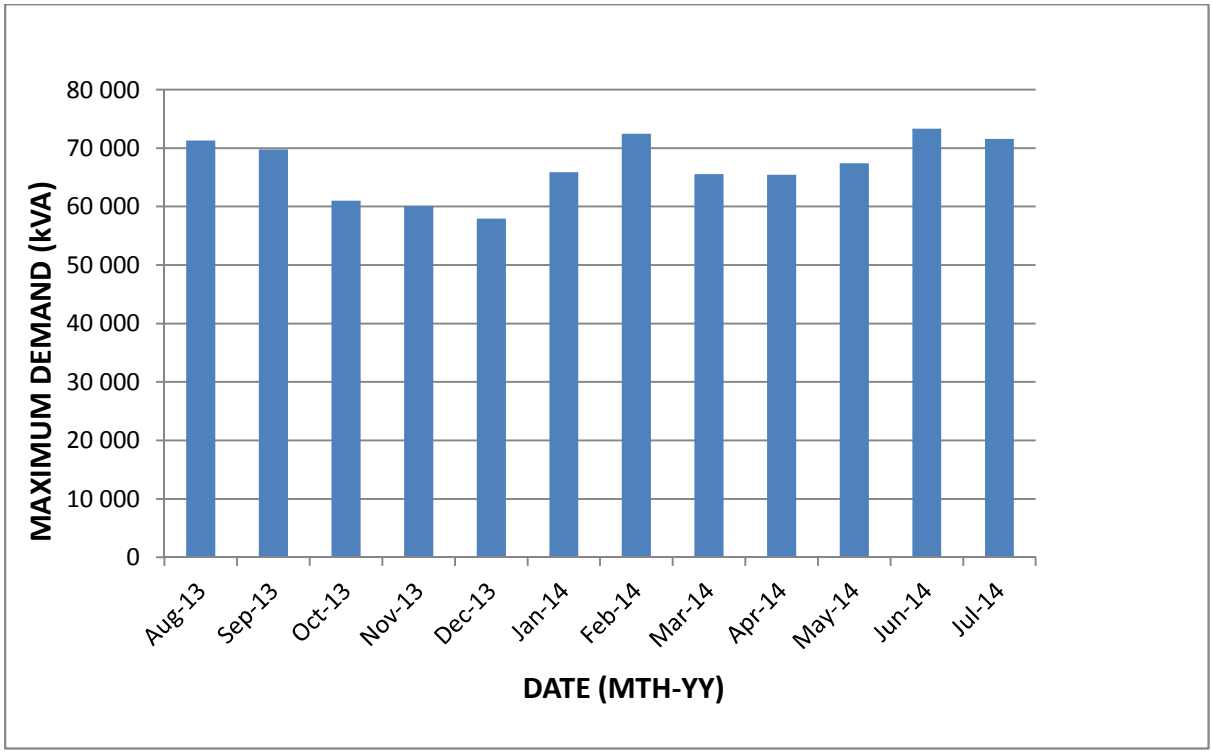


Figure 2-1 : Stellenbosch Maximum Demand (12 Months to July 2014)

Source: Eskom account information as summarised by Stellenbosch Municipality in a consolidated, Microsoft Excel Spreadsheet.

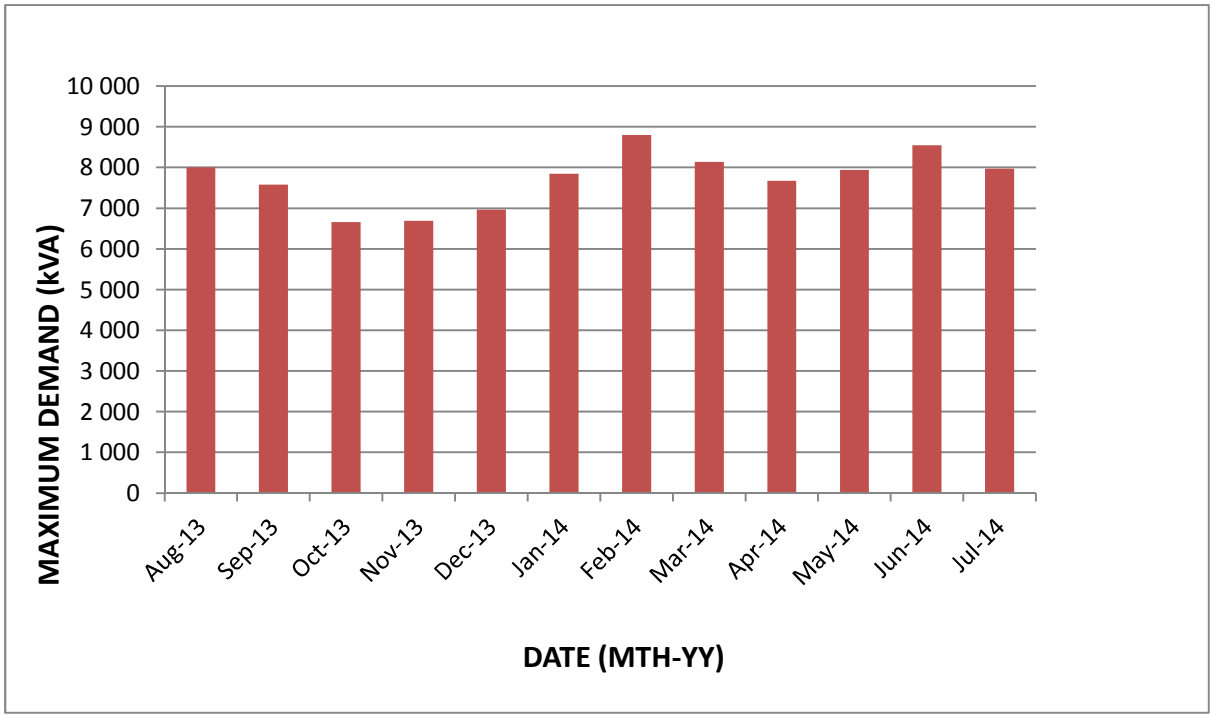


Figure 2-2 : Franschhoek Maximum Demand (12 Months to July 2014)

Source: Eskom account information as summarised by Stellenbosch Municipality in a consolidated, Microsoft Excel Spreadsheet.

Metering data was available from the Municipality for 2005 and the period December 2008 to July 2014.

The peak maximum demand is of particular interest as electrical infrastructure needs to be rated to cater for these demand peaks[3]. Therefore, peak maximum demand per calendar year was extracted from the metering data for closer analysis (i.e. ten data points).

The averaged maximum demand[4] is of interest to asses the growth in demand without the co-incidental peaks that skew the maximum demand curve.

Figure 2.3 presents the resulting data set graphically for Stellenbosch while Figure 2.4 presents the resulting data for Franschhoek.

[3] "Demand peaks" in this instance refers to the maximum demand, which is "the highest averaged demand measured in kVA or kW during any integrating period within the designated billing period" (Eskom, 2012). "Note: the integrating period is normally 30 minutes and the designated billing period refers to all time periods" (Eskom, 2012).

[4] Yearly average of monthly maximum demand.

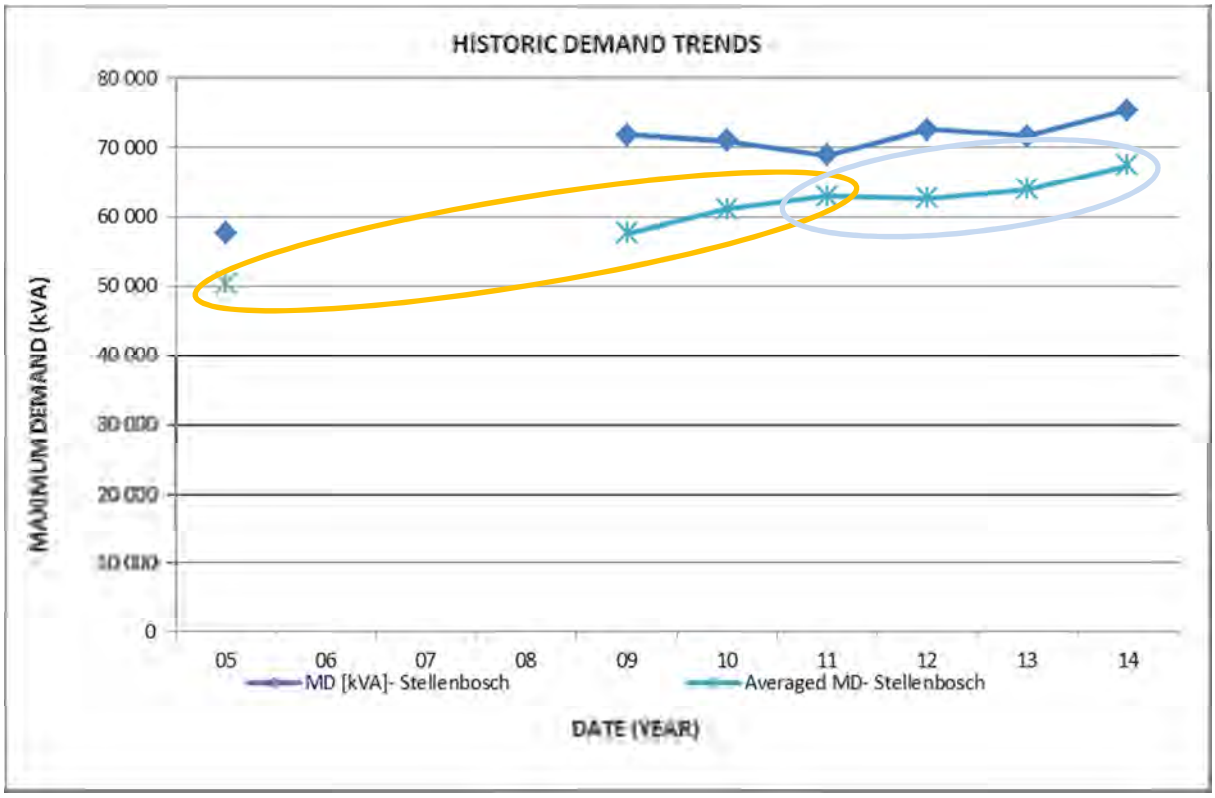


Figure 2-3 : Maximum Demand (per year) Stellenbosch

Table 2-2 summarises the average annual percentage growth in maximum demand for the Municipality over different time periods. The percentage is calculated in a compounded manner. The green cells constitute the long term sustained growth that is used as the "most likely" growth. The colouring is indicated in Figure 2-3 and Figure 2-4. The orange and blue cells correspond to high growth and low growth periods respectively.

Table 2-2 : Growth percentages

		Stellenbosch		Franschhoek	
% Growth (various)	Period	Max MD	Avg MD	Max MD	Avg MD
	'05-09	5.58%	3.45%	6.83%	7.68%
	'05-14	2.98%	3.31%	4.15%	4.49%
	'05-11	3.00%	3.79%	7.24%	5.16%
	'11-14	2.96%	2.35%	-1.78%	1.06%
	'09-14			2.05%	2.00%

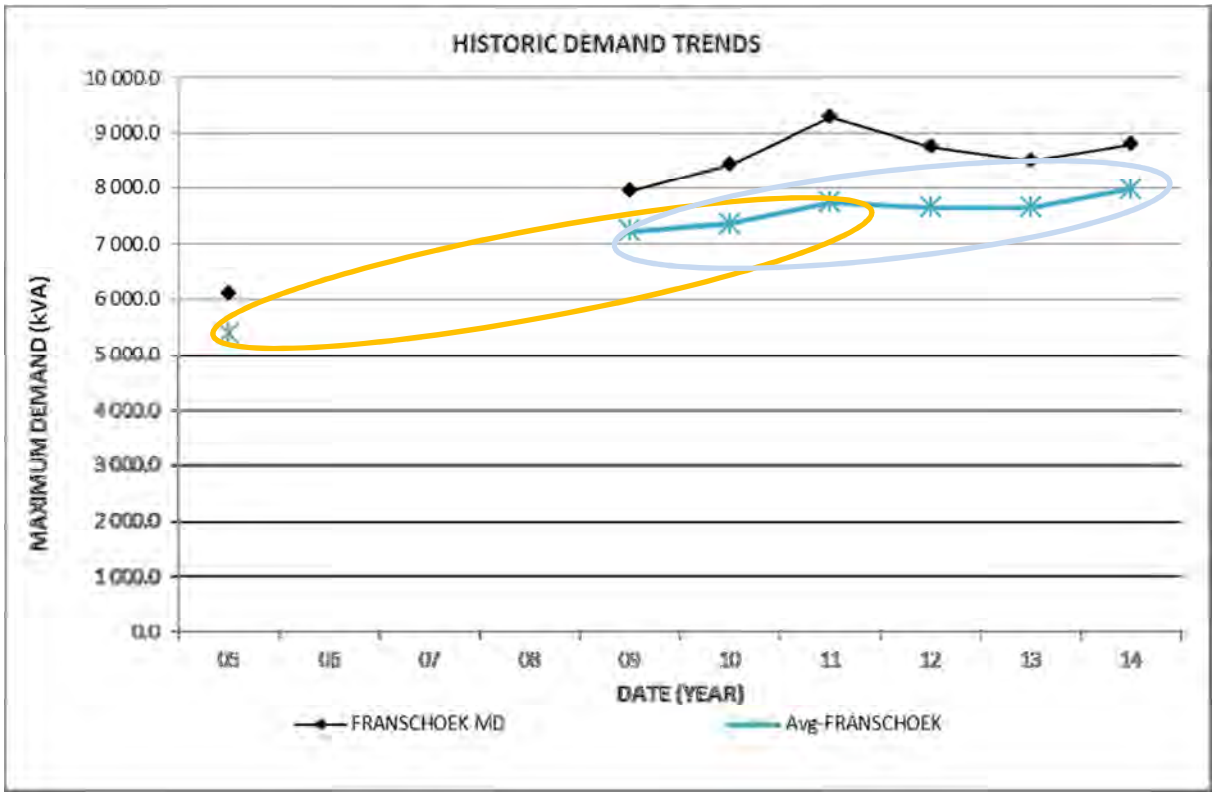


Figure 2-4 : Maximum Demand (per year) Franschhoek

2.2 Population Growth

The population of the Municipality for the past three years is shown in Figure 2-5 (Stellenbosch Municipality, 2014).

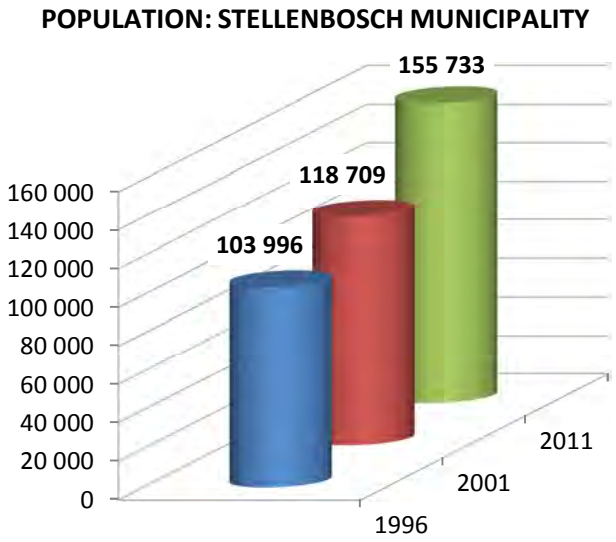


Figure 2-5 : Total Population

Figure 2-6 shows the population growth rates for the periods 1996-2001 and 2001-2011 as published by Statistics South Africa (Stellenbosch Muncipality , 2014). StatsSA reports populations of 103 996, 118 709 and 155 733 for 1996, 2001, and 2011 respectively.

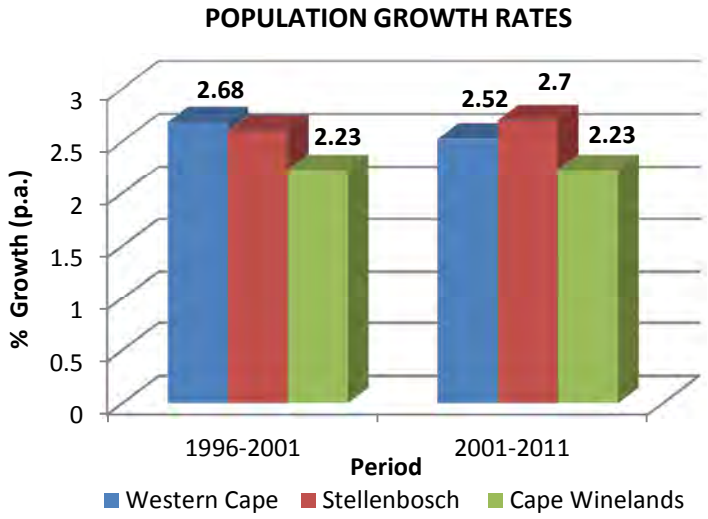


Figure 2-6 : Population Growth Rates

For the period 2001-2011, growth rates are on a par with the Western Cape and Cape Winelands region and significantly higher than the 1996-2001 period.

2.3 Progress with Electrification

Access to electricity increased from 89.9 % in 1996 to 98.8 % in 2011 (Stellenbosch Muncipality , 2014). Electrification projects are therefore a relatively small contributor to the load forecast when compared to housing projects.

2.4 Housing

While the number of housing units were not available, the Municipality face a shortage of approximately 20 000 housing units (Stellenbosch Muncipality , 2014).

In the context of the current shortage, it is likely that the provision of housing will remain a priority for the Municipality and the spatial development plan makes provision for this.

2.5 Future Development Plans

A detailed list of the future developments and their associated loads is provided in Appendix B. This section provides an overview and reference should be made to the appendix for any further information.

The load associated with each planned residential development is assigned by the application of an after diversity maximum demand (ADMD). ADMD values that were used align with the SANS 507 recommendations (Standards South Africa, 2007). This is discussed further in Section 2.6.1. Commercial and industrial loads are estimated based on similar developments.

Figure 2-7 and Figure 2-8 shows the apportionment of the total future load into the development categories: residential, commercial and industrial, and for the purposes of Stellenbosch area, the loads related to University of Stellenbosch have been shown separately. The majority of the overall future load is associated with residential developments. This is reinforced when the Municipality's key economic activities are evaluated (Stellenbosch Municipality, 2014).

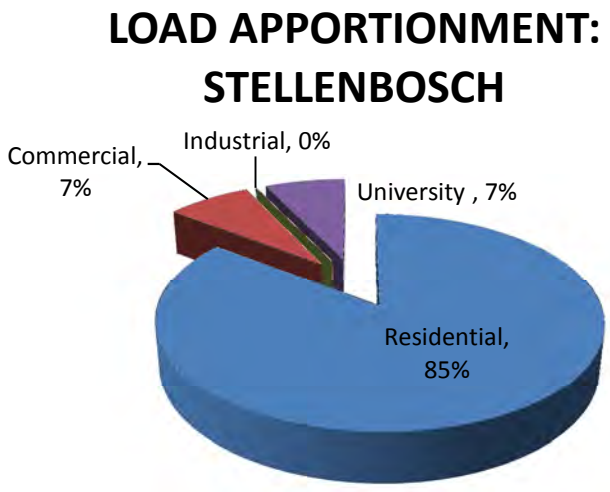


Figure 2-7 : Future Load Apportionment Stellenbosch

For the Stellenbosch area, the future loads, as indicated in Figure 2-7, the majority of which are residential. The remainder is split between the University of Stellenbosch and commercial loads.

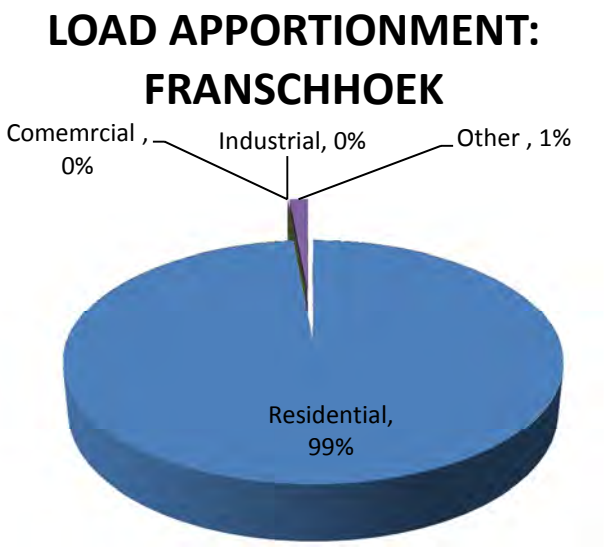


Figure 2-8 : Future Load Apportionment Franschhoek

For the Franschhoek area, the future loads, as indicated in Figure 2-8 are purely residential. The other 1% load made reference to in Figure 2-8 refers to two new library's and a sport centre planned for construction in the forecast period.

Three areas which have not been excluded from the power system model but do form part of the forecast area, are Dwarsrivier Valley, Klapmuts and Jamestown (Refer to Figure 2-9, Figure 2-10 and Figure 2-11). This is due to them being fed directly by Eskom.

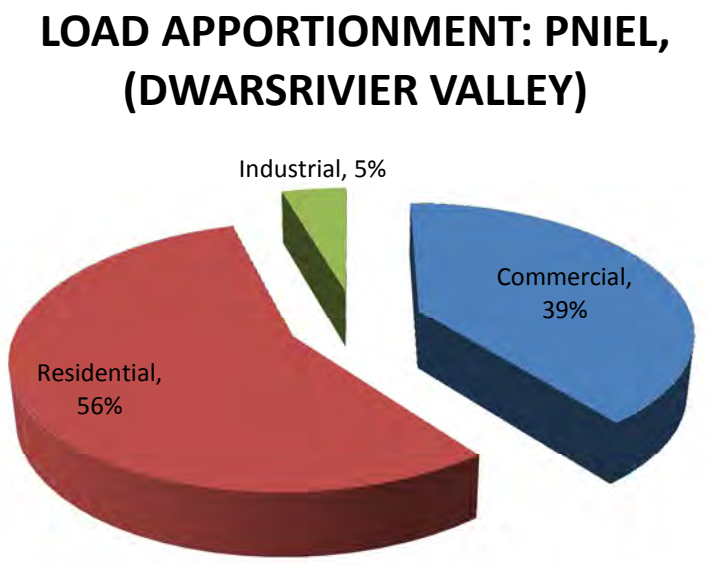


Figure 2-9 : Future Load Apportionment Dwarsrivier Valley, Pniel

The future load in the Dwarsrivier Valley (Figure 2-9) in contrast has a high level of commercial development planned, while still noting the majority being residential.

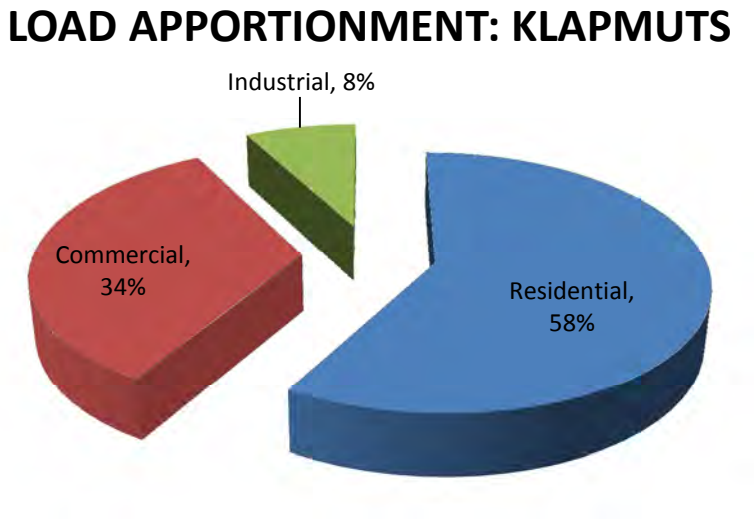


Figure 2-10 : Future Load Apportionment Klapmuts

Klapmuts, as indicated in Figure 2-10, reflects a mixed development forecast of commercial, industrial and residential with just over the majority being residential.

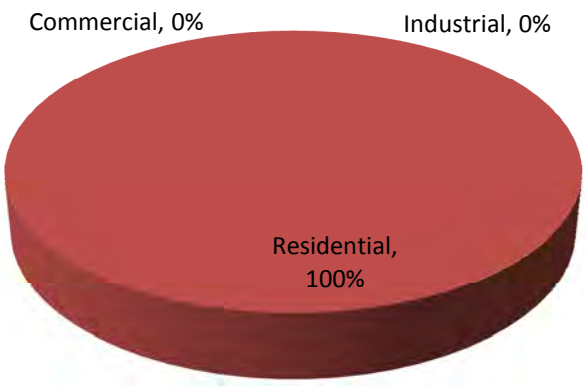


Figure 2-11 : Future Load Apportionment Jamestown

While Jamestown in contrast to Klapmuts, as shown in Figure 2-11, reflects a purely residential development forecast.

2.5.1 Housing

Substantial housing developments have been planned. There are 17 274 units planned in Stellenbosch alone, and 5 528 units planned in Franschhoek. Figure 2.10 to Figure 2.13 shows the number of units planned and the associated load for low, medium and high income housing.

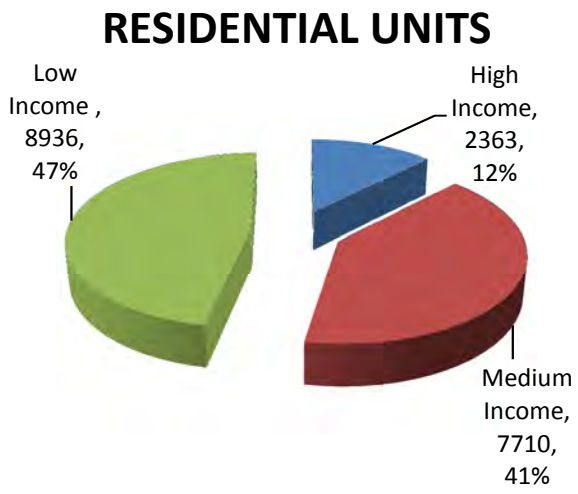


Figure 2-12 : Residential Units Stellenbosch

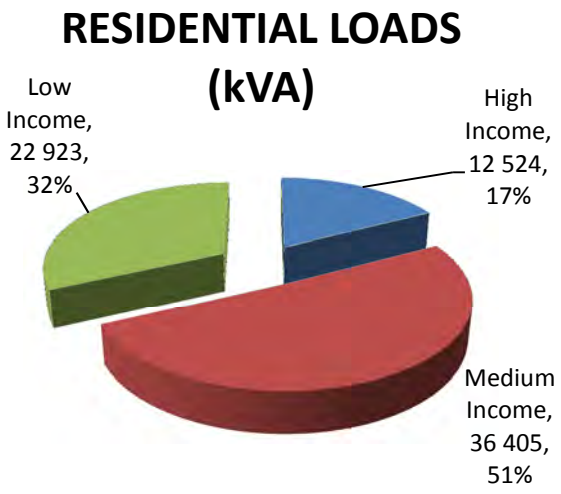


Figure 2-13 : Residential Loads Stellenbosch

The planned housing developments in Stellenbosch consists mostly of low and medium income housing units, as reflected in Figure 2-12 and Figure 2-13, with the majority of the electrical load being medium income housing.

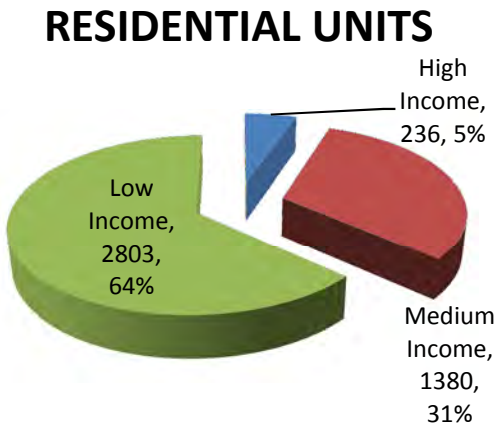


Figure 2-14 : Residential Units Franschhoek

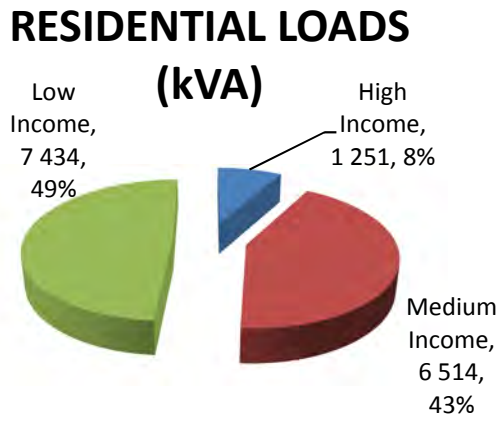


Figure 2-15 : Residential Loads Franschhoek

The planned housing developments in Franschhoek consists mostly of low income housing units, as reflected on Figure 2-14 and Figure 2-15, with the minority being high income housing.

Three areas which have not been excluded from the power system model but do form part of the forecast area, are Dwarsrivier Valley, Klapmuts and Jamestown (Refer to Figure 2-14 to Figure 2-21). This is due to them being fed directly by Eskom.

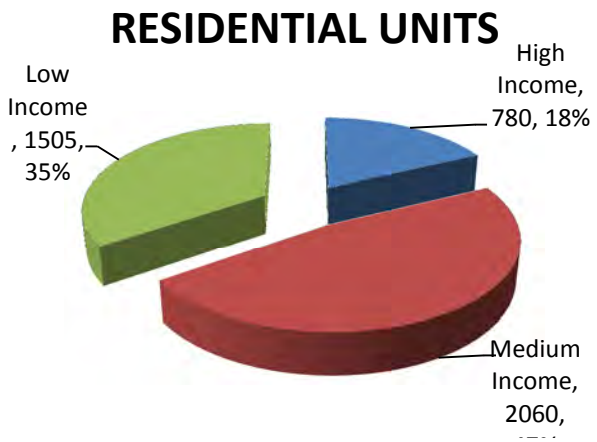


Figure 2-16 : Residential Units Dwarsrivier Valley, Pniel

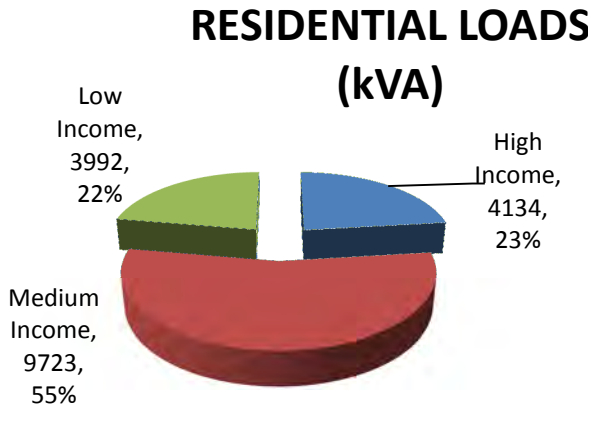


Figure 2-17 : Residential Loads Dwarsrivier Valley, Pniel

The planned housing developments in Dwarsrivier Valley differs from other areas such as Stellenbosch, as Dwarsrivier consists mostly of medium income housing units, as reflected in Figure 2-16 and Figure 2-17, with the remainder being low income and high income housing.

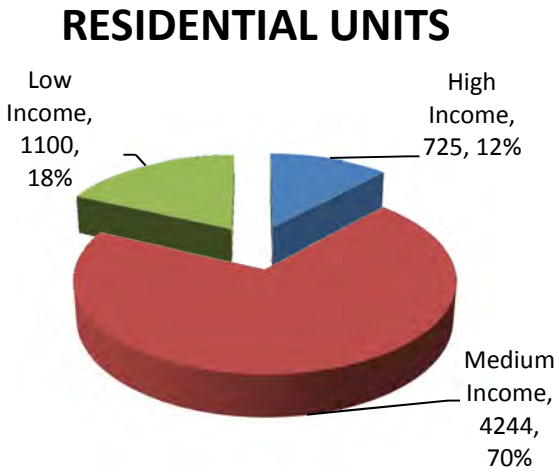


Figure 2-18 : Residential Units Klapmuts

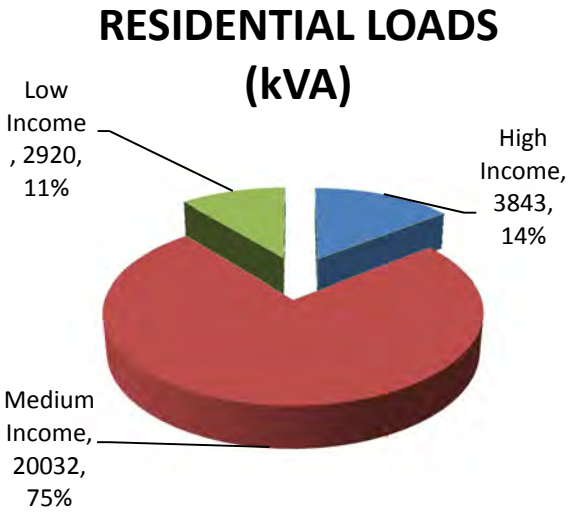


Figure 2-19 : Residential Loads Klapmuts

The planned housing developments in Klapmuts resemble Dwarsrivier Valley, as Klapmuts consists mostly of medium income housing units, as reflected in Figure 2-18 and Figure 2-19, with the remainder being low income and high income housing.

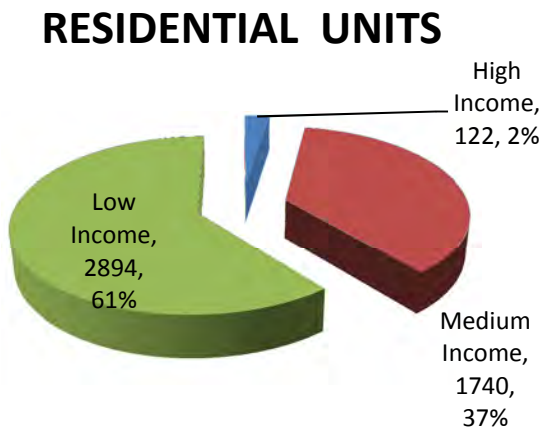


Figure 2-20 : Residential Units Jamestown

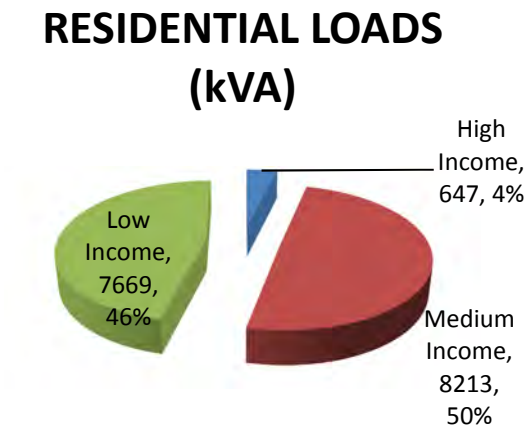


Figure 2-21 : Residential Loads Jamestown

The planned housing developments in Jamestown are mostly for low cost housing, as reflected in Figure 2-20 and Figure 2-21.

It should be noted that the weighting in terms of electrical load with respect to housing numbers does differ due to the electrical load of the higher income housing been calculated using higher ADMD figures.

The top five residential developments for Stellenbosch (in terms of electrical demand) per housing category are listed in Table 2-3.

It should be noted that the map reference used in the below tables, corresponds to the development details in Appendix B, and is derived from the water Master Plans, developed by the Water and Sanitation Department of Stellenbosch Municipality.

Table 2-3 : Top 5 Residential Developments per Category Stellenbosch

Stellenbosch		
Development Name	Units (No.)	Demand (kVA)
High Income		
S67-Single Residential Development	1 055	5 591
S57-Single Residential Development	715	3 789
S58-Single Residential Development	632	3 349
S55-Single Residential Development	613	3 248
S54-Single Residential Development	350	1 855
Medium Income		
S75-Single Residential Development	1 070	5 050
S20-Single Residential Development	736	3 473
S74-Single Residential Development	670	3 162
S19-Single Residential Development	386	1 821
S34-Single Residential Development	342	1 614
Low Income		
S15-Low Cost Housing	4 626	12 258
Kayamandi (Further housing)	133	352
S81-Low Cost Housing	910	2 411
S80-Low Cost Housing	649	1 719
S17-Low Cost Housing	537	1 423

The top five residential developments for Franschhoek (in terms of electrical demand) per housing category are listed inTable 2-4.

Table 2-4 : Top 5 Residential Developments per Category Franschhoek

Franschhoek		
Development Name	Units (No.)	Demand (kVA)
High Income		
FH22-Single Residential Development	172	911
Medium Income		
FH16-Single Residential Development	286	1 349
FH5-Single Residential Development	270	1 274
FH4-Single Residential Development	259	1 222
Low Income		
FH9-Affordable Housing	2 704	7 166
Langrug Informal Settlement	1 300	3 445
FH10.1-Affordable Housing	96	254
FH10.2-Affordable Housing	78	207
FH10.3-Affordable Housing	129	342

2.5.2 Commercial Developments

In terms of large commercial consumers, this is limited to the various sites in which Stellenbosch University operates in such as student residences and faculty premises. Their property services division provided their new forecast maximum demand figures for these sites as shown in the below table (Table 2-5).

Table 2-5 : University of Stellenbosch Sites Forecast ADMD

USB Bulk Supply Points	Existing Nominated Max Demand (KVA)	New Nominated Max Demand (KVA)
Biologie (JC Smuts)	1 000	1 500
BJ Voster (Lettere)	2 000	2 000
DF Malan (Schuman)	1 000	1 500
Erica	2 000	2 000
Helderberg	500	500
Ingenieurs	4 000	4 500
Instandhouding	1 000	2 000
Konservatorium	1 000	2 000
Monica	1 000	1 500
Neelsie (LSS)	4 000	5 000
Simonsberg	1 500	2 500
Welgevallen	1 000	2 000
Coetzenburg	1 000	3 000

It is unlikely that these will be the only commercial developments in the forecast period. Further developments are catered for in the respective forecast scenarios through planned land use plans by the Municipality.

2.5.3 Industrial

The largest industrial consumer for the Stellenbosch Electricity Department is the two Distell sites, being the Adam Tas and Berg Kelder sites. No major expansions are planned at either of these sites. They noted that they had undertaken a broad variety of energy saving measures to reduce their Maximum Demand but didn't expect any further reductions beyond 5%.

It is unlikely that these will be the only industrial developments in the forecast period. Further developments have been catered for in the respective forecast scenarios through planned land use plans by the Municipality.

2.6 Load Forecast

A load forecast has been prepared for the Municipality. The forecast is sufficiently detailed to inform the 10-year and 20-year network studies.

2.6.1 Methodology

The load forecasting methodology is briefly summarised in this section.

Historic energy-use data was collected primarily from the Eskom electricity accounts. A linear trend-line was added to the actual maximum demand data and used to establish the predicted demand at the onset of 2014 (the actual maximum demand for 2012 was below the trend-line forecast). This demand value is escalated on a compound growth basis per annum. The percentage growth applied is dependent on one of three scenarios: low growth, most-likely growth[5], or high growth. These percentages are estimated based on all contributing factors (e.g. historic growth, population growth, spatial planning, integrated development plans, progress with housing, and municipal objectives/priorities).

The forecast scenarios are then compared to the growth associated with future developments within the Municipal boundaries as a “sensibility” cross-check.

2.6.2 Scenarios

The historic growth rates as stated in Table 2-2 are tempered slightly, based on the information presented in the preceding sections and in the context of a 20-year forecast, to give the scenario growth rates used in the load forecast (Table 2-6).

[5] Note that most-likely growth is abbreviated “RG” (realistic growth) in this report.

Table 2-6 : Growth scenario's

	Stellenbosch	Franschhoek
High Growth	3.5%	5.2%
Realistic Growth	3.0%	4.1%
Low Growth	2.5%	2.5%

The low growth scenario attempts to account for the transfer of reliance on electricity as renewable energy options become more affordable in the context of increasing electricity tariffs and incentives to contribute to energy generation (e.g. distributed generation and feed-in tariffs).

2.6.3 Future Development Forecast

The future development forecast follows from information presented in Section 2.5. The load associated with the residential developments was calculated as follows:

- Residential: use of an after-diversity maximum demand (kVA) per unit.
- Commercial: based on discussions with the Municipality and commercial property owners or developers.
- Industrial: based on discussions with factory owners and typical water treatment plant electrical demand for similar works (RHDHV provisional estimates).

The bulk of the future load is attributable to residential developments, which is therefore the key driver for the profile and magnitude of the forecast.

The number of units planned per year is based on information received from the Municipality. The Housing Department estimate 20-30 high housing units and 400-500 medium income housing units per year. The housing development plans provide for 800 low income units per year.

The number of units built per year has been based on these quantities.

It should be noted that while low income housing would be driven by Government/Provincial Funding, the medium and high income units would be driven by economic conditions (amongst others).

The residential housing load was estimated based with SANS 507 (Standards South Africa, 2007).

2.6.4 Stellenbosch Forecast

The resulting maximum demand forecast for the three scenarios and future developments is shown in Figure 2-22. The demand values associated with each scenario are carried forward into the network modelling and simulations for the 20-year (2034) network development plans.

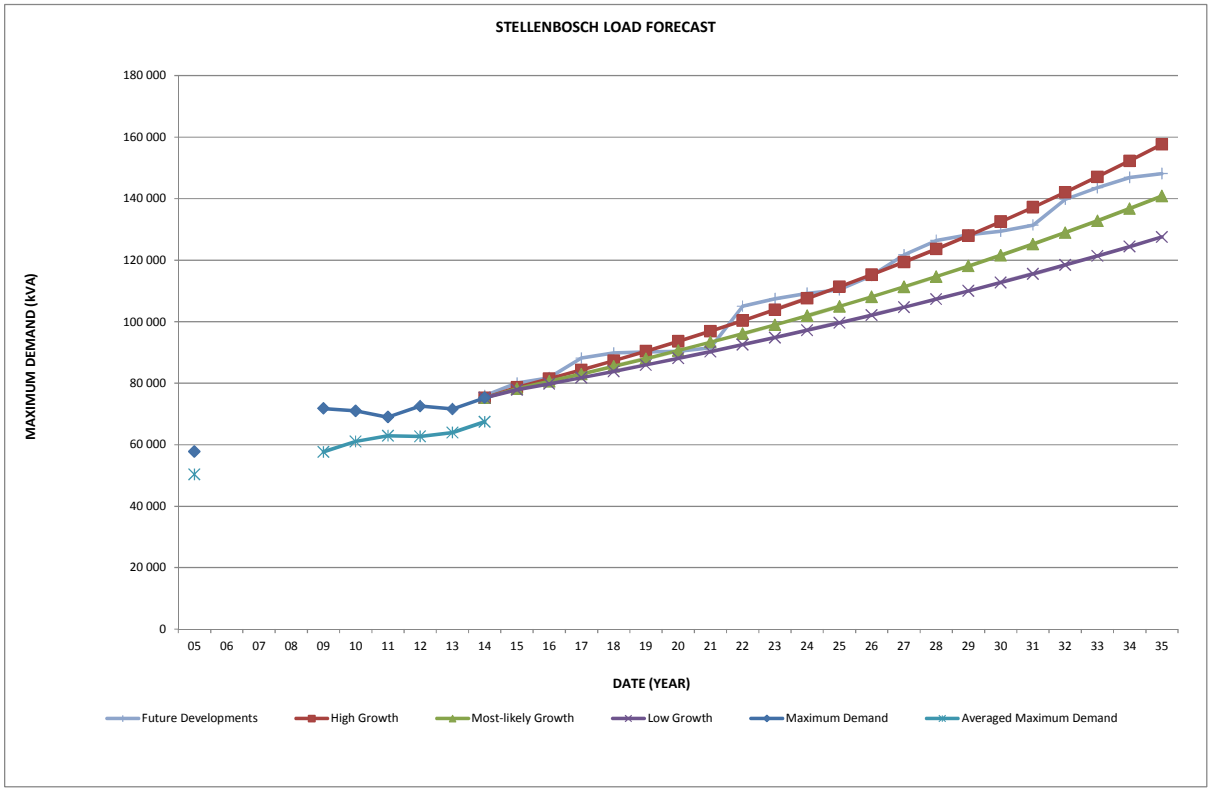


Figure 2-22 : Maximum Demand Forecast

The 20-year load associated with the future developments aligns with what is expected; that is, an optimistic development target falling within the band created by the high growth and

most-likely growth scenarios. For the high growth scenario the 20-year load is 157 MVA, more than double the current maximum demand of 75 MVA.

2.6.5 Franschhoek Forecast

The resulting maximum demand forecast for the three scenarios and future developments is shown in Figure 2-23. The demand values associated with each scenario are carried forward into the network modelling and simulations for the 20-year (2034) network development plans.

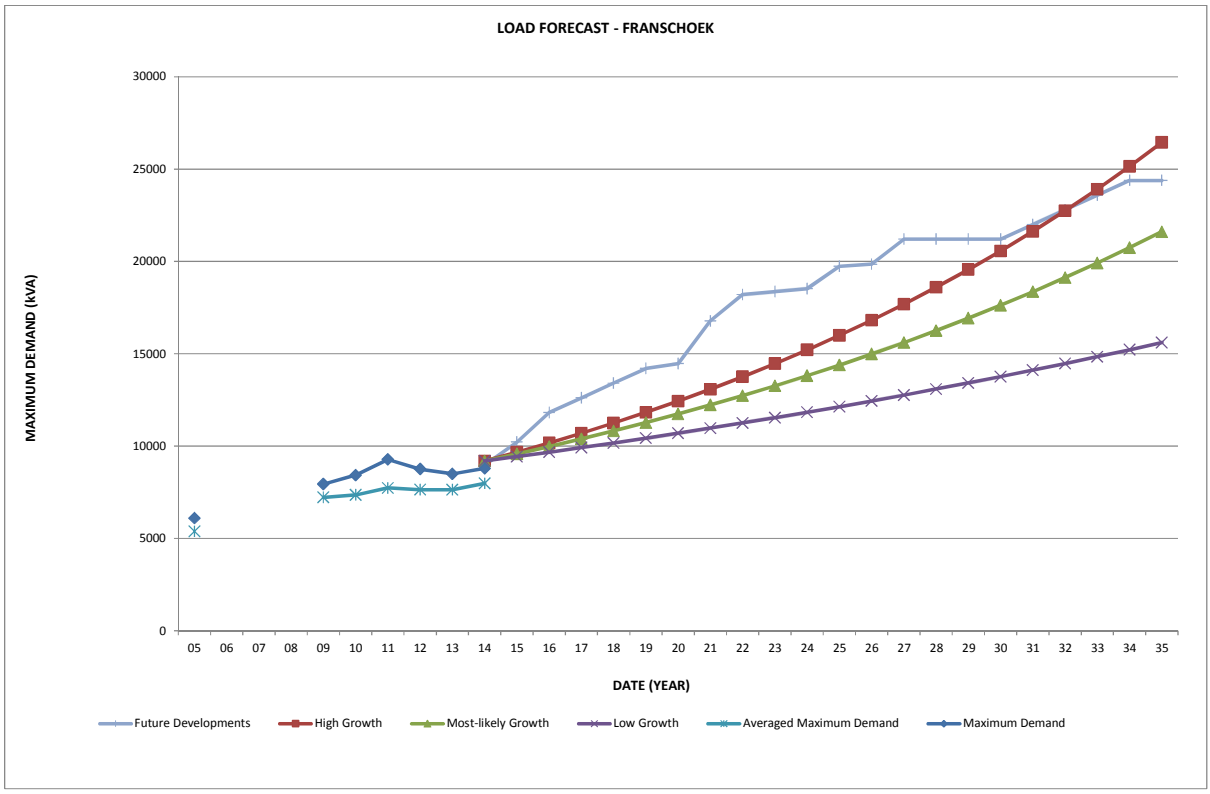


Figure 2-23 : Maximum Demand Forecast

The 20-year load associated with the future developments aligns with what is expected; that is, an optimistic development target falling within the band created by the high growth and most-likely growth scenarios. For the high growth scenario the 20-year load is 26 MVA, approximately than triple the current maximum demand of 9 MVA.

2.6.6 General Comments on the Load Forecast

The future development data was used to apportion the load growth, associated with the applicable scenario, to the secondary substations (11 kV) forming a part of the final distribution network (Section 2.7 explains the apportionment further). The effect of apportioning the load growth is that all developments in the future development forecast are assumed to develop at the same rate.

The timing of the network developments may be too late for that specific geographic area. The Electrical Department will need to be very diligent in corresponding with potential developers / other internal departments to ensure that adequate, local, capacity is available (timeously) in such cases.

The load forecast provides a view of likely growth for the purposes of the study. The load forecasting effort was based on information that was readily available from the Municipality within the project timelines and contributions received from the respective departments. As such the forecast has been prepared using primarily judgemental methods. The use of judgemental methods is considered most appropriate.

The forecast accuracy should be reasonably good for the first few years and will progressively decay as time progresses (i.e. become less accurate) and unforeseen external factors come to bear[6]. The low, most-likely and high growth scenarios aim to take account of this to a certain extent.

The resulting impact of forecast error will materialise primarily in the timing of network expansion. The recommendations will still be valid but they might need to be delayed or brought forward based on the timing of the actual future demand.

2.7 Substation Future Load for the Network Studies

The overall demand forecast, as presented in Figure 2-22 and Figure 2-23, provides a forecast of the total demand growth for the Municipality. For the purpose of the network studies, the demand growth needs to be apportioned between the respective geographic areas and ultimately to the nearest substation.

[6] The same is true for all forecasts.

RHDHV used the future load forecast to achieve this. The future load forecast is linked to the Municipality's Potential Future Development Plans (as attached in Appendix A). As this information correlated well the high growth demand forecast and the Potential Future Developments were apportioned in the specific year and geographical location for analysis.

To affect the reduced growth in the most likely (realistic) and low growth all the loads were scaled down by an appropriate amount. This in effect assumes that each of the developments planned progresses at the same (slower) rate. If a single development receives a higher priority in the years ahead, the Electrical Department will need to carefully assess and confirm that adequate capacity is available, particularly in the local distribution network. To a certain extent this is unavoidable in long term master plans where development budgets and economic climate are uncertain.

Except for areas specifically identified for densification projects, the load in established areas is held constant for the purposes of the network studies. The assumption is that any increases will be offset by end-user energy conservation measures and distributed generation projects.

3. LOAD FLOW STUDY

What will follow in this section is a discussion of the DigSilent Powerfactory model which was developed as well as the current status of the network.

3.1 Basis of Load Flow Study

The following list aims to capture the basis of the load flow modelling and the results of which are reported in subsequent sections of this report:

- The load flow modelling has been performed using DIgSILENT PowerFactory® Version 15.2.2.
- The electrical reticulation was based on drawings provided by the Municipality ("single line diagrame 07-22-14" received on 29 July 2014). The single line and site layout diagrams were confirmed during an extensive site condition assessment.

- Typical information that was gathered during the condition assessment was used for the modelling of transformers.
- The network model consists of the 66 kV cabled network, the primary 11kV network and critical 11kV interconnection cables. Critical 11kV interconnecting cables are defined to be all interconnecting cables larger than 35mm² with minimal loads on route. Loads were included at 11 kV at the location of the various main or switching substations.
- Cable size, construction and type were obtained from the single line diagrams and GIS data. Cable electrical properties were obtained from the online catalogues of Aberdare and African Cables.
- A transformer thermal rating of 1.0 pu was used (i.e. percentage ratings are expressed as a percentage of the rated current and do not account for any transformer loading practices of the Municipality).
- Only one level of network contingency has been considered (i.e. N-1 redundancy).
- Protection settings were not in the scope of the study and have not been considered. Protection settings might need to be adjusted as loading on the network changes.
- The voltage dependency of loads were not considered.
- Power factor of loads were simulated at 0.92 that is typical for municipal networks.
- Buried 11 kV cables were only de-rated for grouping, according to SANS 10198. The following factors were used: 0.89, 0.80 and 0.77 for two, three and four cables respectively, sharing a route. This is based on 300 mm spacing between cables.
- Metering data was extracted by Spectrum Communications specifically for this project. Data was received as currents per 11 kV feeder at 30minute intervals for the period February - March 2014 and June - July 2014.
- Diversity between individual switching substations and the HV network was calculated at 0.84, 0.94 and 0.88 pu for Stellenbosch, Cloetesville and Franschhoek respectively. This calculation was based on metered substation data.
- Tap changers were simulated on all 66/11 kV transformers, with a voltage setpoint of 1.085 pu and a maximum and minimum voltage of 1.10 and 1.07 pu respectively. These values are in accordance with SANS 507. Any voltage in the MV network lower than 1.055 pu will be treated as a voltage regulation exception. This corresponds to half of the permissive voltage drop of 3 % (0.03 pu) in the MV distribution network (also according to SANS 507).
- New 66kV substations to be based on outdoor, air insulated technology.

- New HV transformers to be 66/11 kV ONAN Dyn11, typically with 20MVA capacity.
- New 11kV switchgear to be metal clad, withdraw-able (behind closed doors), air insulated switchgear installed in brick built substation rooms.
- New HV cables to be XLPE single core, aluminium typically 300mm². New main MV cables to be PILC three core, copper typically 185mm².
- Bulk electrification networks for Stellenbosch town and Franschhoek were developed. The areas of Pniel, Kylemore, Lanquedoc, Klapmuts, Raithby, De Zalze and Jamestown are fed with bulk power directly from Eskom.
- A detailed fault level study when proposing upgrades was not conducted. It is assumed that obsolete switchgear will be upgraded along with significant network strengthening. Modern switchgear will typically have fault capacity in excess of 10kA (typical for 20MVA transformers). A comprehensive fault study is essential when compiling the detail design of substation upgrades.

3.2 General Discussion: Stellenbosch Existing Network

Stellenbosch town receives bulk supply at Stellenbosch Main and Cloetesville substations at 66 and 11 kV respectively. The internal 66 kV network is supplied from Stellenbosch Main substation and feeds Markotter, University, Jan Marais and Golf Club Substations. This arrangement is indicated in drawing I01.CPT.000152/E20.

Also indicated in drawing I01.CPT.000152/E20 is critical interconnecting 11kV cables, these cables can assist in transferring loads between areas in case of equipment failure.

An Eskom rural 66 kV line that originates at Stellenbosch Main Substation passes Stellenbosch to the north (Figure 3-1). This line feeds large portions of the central area of the Stellenbosch municipality including the Cloetesville, Kylemore and Franschhoek Substations.

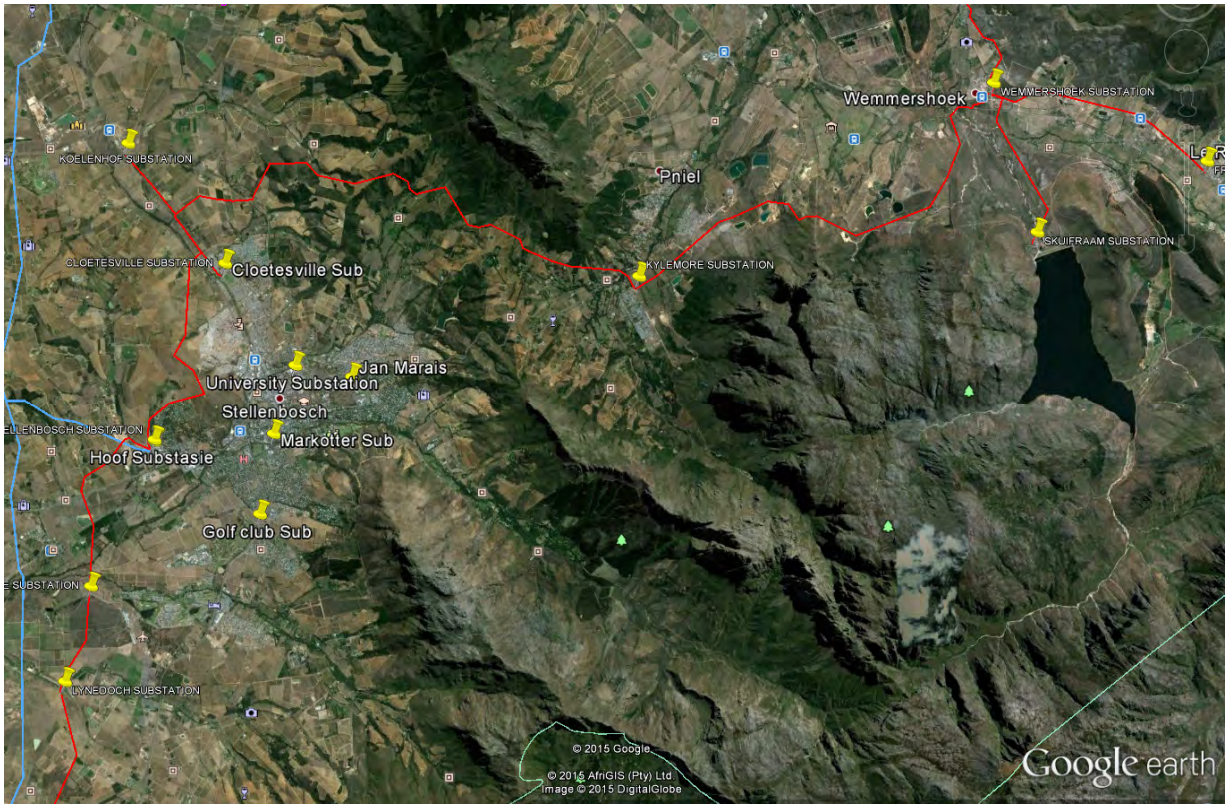


Figure 3-1 : 132 and 66 kV Eskom Networks in the Stellenbosch and Franshhoek areas

Table 3-1 summarizes the maximum demand of the Stellenbosch and Franschhoek areas. This information is critical in the assignment of the correct bulk MV loads in the model based on load forecast.

Table 3-1 : Analysis of Eskom supply maximum demand

Substation	Notified Maximum Demand	Maximum Demand	Sum of MV Maximum demands[7]	Supply point network diversity
Stellenbosch Main	60 MVA	59.7 MVA	70.9 MVA	0.84[8]
Cloetesville	16 MVA	15.6 MVA	16.6 MVA	0.94
Franschhoek	9 MVA	8.8 MVA	10.5 MVA	0.88

The loading on the 66 kV network was assessed by applying a diversity factor of 0.94 based on the Cloetesville data. Diversity is not embedded in the Powerfactory models, hence two simulations were compiled:

[7] This value is the sum of the maximum demands of the 11 kV switching substations in the respective feed area.

[8] This includes the diversity on the bulk MV networks and the internal 66 kV network.

- Model with a load scaling of 1 to assess the loading on the bulk MV cabling and transformer loading.
- Model with a load scaling of 0.94 to assess the HV network.

3.3 General Discussion: Franschhoek Existing Network

The Franschhoek network consists of three substations, one being the main intake from Eskom and two switching substations. The maximum demands are indicated in Table 3-1.

3.4 Existing Network Loading

3.4.1 HV network loading

The internal 66 kV network loading is summarized in Table 3-2 and are sufficient for the current requirements.

OUTAGE ▼	66 kV Feeder Loading						
	Main-Univ	**Main-SGC**	**Main-Markotter**	**Markotter-Univ**	**SGC-Markotter**	**Univ-Jan Marais**	**Markotter-Jan Marais**
Main-Univ	0 %	22%	81%	36%	0%	0%	49%
Main-SGC	60%	0 %	41%	0%	20%	49%	0%
Main-Markotter	60%	45%	0 %	0%	21%	49%	0%
Markotter-Univ	36%	22%	45%	0 %	0%	0%	49%
SGC-Markotter	36%	22%	45%	0%	0 %	0%	49%
Univ-Jan Marais	36%	22%	45%	0%	0%	0 %	49%
Markotter-Jan Marais	60%	22%	22%	0%	0%	49%	0 %

Table 3-2 : Existing 66 kV Network Loading

3.4.2 66/11 kV Transformer Loading

The table below states the contingency capacity (or firm capacity) and the current loading of each substation.

SUBSTATION	CONTINGENCY CAPACITY (N-1)	CURRENT LOADING
Main Substation	15 MVA	11.3 MVA

Markotter	15 MVA	12.9 MVA
University	30 MVA	21.0 MVA
Jan Marais	10 MVA	14.3 MVA
Golf Club	20 MVA	12.2 MVA
Cloetesville	20 MVA	16.9 MVA
Franschhoek	20 MVA	10.5 MVA

Table 3-3 : Existing Network Transformer Loading

Notes on Table 3-3:

- Jan Marais substation does not afford N-1 contingency and a component outage/failure will result in customers being without electricity, possibly for extended periods.
- The balance of the substations have sufficient capacity.

3.4.3 11 kV Feeder Loading

The bulk 11 kV feeders from main transformation substations to switching substations were modelled. Table 3-4 provides a summary of the cables which will be overloaded in a contingency scenario (i.e. N-1 condition).

SUBSTATION	CONTINGENCY LOADING
Distell	110%
Curry (see note 2)	107%

Table 3-4 : Existing Network 11 kV Cable Overloading (N-1)

Notes on Table 3-4:

1. Currently Begraafplaas is also overloaded in the N-1 state, however if the Distell overloading is corrected this will improve the situation at Begraafplaas to the extent that it is no longer a concern.
2. Currently cables have been installed, but not yet commissioned, directly between Cloetesville and Tennant substations. If these 185 mm² cables are commissioned the contingency loading on Curry is acceptable.

3.4.4 Voltage Regulation

Voltage regulation at the 66/11 kV and 11/11 kV substations is within the limits as discussed in Section 3.1.

3.5 Existing Network Year 20 Loading

Loads in the existing network model were adjusted according to the forecast for 2034 (as described in Section 2.6). This is not a realistic or likely scenario as the resulting loads exceed the existing network capacity by impractical amounts. However, the simulation provides useful insight as to where, and to what extent, future expansion will be required.

3.5.1 HV Network Loading

OUTAGE ▼	CONTINGENCY CAPACITY (LOCATION)	FORECAST LOADING		
		HG	RG	LG
Main-Univ[9]	98 MVA (Markotter)	92 MVA	73 MVA	68 MVA
Main-SGC	55 MVA (University)	53 MVA	47 MVA	40 MVA
Main-Markotter	51 MVA (SGC)	38 MVA	31 MVA	28 MVA
Markotter-Univ	55 MVA (Markotter)	38 MVA	31 MVA	29 MVA
SGC-Markotter	55 MVA (Markotter)	38 MVA	31 MVA	29 MVA
Univ-Jan Marais	27 MVA (Jan Marais)	25 MVA	19 MVA	17 MVA
Markotter-Jan Marais	27 MVA (Jan Marais)	25 MVA	19 MVA	17 MVA

Table 3-5 : Existing HV Network Loading at Study Horizon

Notes on Table 3-5:

- "Contingency Capacity" is defined as the capacity available at the indicated substation under the stated outage condition.

It is noted that the HV cabled network is sufficient (albeit marginal in a few instances) for the forecasted loading. No HV cable upgrades are proposed as part of this master plan. It is however strongly recommended to monitor the loading on the internal HV network. If growth rates in line with the high growth scenario materialize critical assessment of the HV network will be required at that stage.

[9] This is achieved by utilizing the Golf Club – Markotter link.

3.5.2 66/11 kV Transformer Loading

As expected, additional transformation capacity will be required for the forecast load, as indicated in the following table:

SUBSTATION	CONTINGENCY CAPACITY	FORECAST LOADING		
		HG	RG	LG
Main Substation	15 MVA	24 MVA	16 MVA	13 MVA
Markotter	15 MVA	15 MVA	14 MVA	13 MVA
University	30 MVA	30 MVA	25 MVA	22 MVA
Jan Marais	10 MVA	27 MVA	19 MVA	17 MVA
Golf Club	20 MVA	28 MVA	19 MVA	16 MVA
Cloetesville	20 MVA	62 MVA	32 MVA	26 MVA
Franschhoek	20 MVA	27 MVA	18 MVA	15 MVA

Table 3-6 : 66/11 kV Transformer Loading at Study Horizon

Notes on Table 3-6:

- The load forecast for the Cloetesville Substation justifies the construction of new 66/11 kV substation/s.

3.5.3 11 kV Feeder Loading

When future loads are imposed on switching substations the magnitude of the load growth falls into three categories:

1. Growth warrants the construction of one or multiple new switching substations.
2. Growth exceeds the capacity of the substation, but to such a degree that the creation of a new switching substation is not warranted.
3. Growth does not exceed capacity.

Table 3-7 provides a summary of the forecast growth for 11/11 kV switching substations falling with categories 1 and 2:

GROWTH CAT.	SUBSTATION	CONTINGENCY CAPACITY	FORECAST LOAD		
			HG	RG	LG
1.	Polkadraai	4.5 MVA	9.4 MVA	5 MVA	4 MVA
	Watergang	3.8 MVA	23 MVA	11 MVA	8 MVA
	Groendal	6.4 MVA	17 MVA	10 MVA	8 MVA
2.	Engineering Faculty	4.5 MVA	6.6 MVA	4 MVA	4 MVA
	Uniepark	2.6 MVA	7.3 MVA	6 MVA	5 MVA
	Langstraat Suid	4.5 MVA	7.3 MVA	4 MVA	4 MVA
	Hugenote	6.4 MVA	8.8 MVA	7 MVA	7 MVA

Table 3-7 : 11kV Feeders Loading at Study Horizon

3.5.4 Voltage Regulation

As this simulation is not a realistic scenario, no voltage regulation data is provided.

4. CONDITION ASSESSMENT OF EXISTING INFRASTRUCTURE

The master plan aims to account for the planned replacement of existing infrastructure where the condition of equipment requires such. RHDHV assessed the condition of all medium voltage switch yards and medium voltage street furniture. The assessment was limited to a visual inspection, from the ground, under energised conditions. The primary purpose was to ascertain what electrical infrastructure should be replaced or upgraded as part of the master plans. The condition so determined was kept in mind when considering future network development plans.

The visual inspections were performed in October 2014 and May 2015 for the MV and HV installations respectively. The assessment and recommendations that follow are derived directly from the visual inspections. During the inspection the team collected photographs and equipment nameplate information for inclusion in the network model. The team further noted general observations, not strictly falling within the scope of the study. These have been included in this section of the report for information and inclusion in routine maintenance plans.

This section provides a summary of the condition assessment recommendations which are explained in the sections that follow. Refer to Appendix C for a more detailed record of the condition assessment and information gathered.

4.1 HV/MV Power Transformers

Planned replacements during the study window of the following 66/11 kV transformers are proposed[10]:

Table 4-1 : Planned Replacements of Power Transformers

Substation	Transformers to be replaced	Typical age of transformers
Stellenbosch Main	Transformer 1, 2 and 3	43 years (1971)
Jan Marais	Transformer 1 and 2	36 years (1979)
Markotter	Transformer 1, 2 and 3	43 years (1971)

[10] Notwithstanding this the upgrade of transformers to increase substation capacity might be required and is discussed in Section 5.

This recommendation to replace power transformers has been based primarily on the age of the units and their expected design life. In reality, “there is no simple and unique end-of-life criterion that can be used to quantify the remaining life of a transformer” (International Electrotechnical Commission, 2005). Aging, or the rate of deterioration, depends on many factors, such as the operating temperature, the number, magnitude and frequency of temperature excursions, the moisture content, and the oxygen content (amongst others).

The Eskom power transformer specification requires a design life of 35 years at rated conditions (Eskom Distribution, 2010) and it is considered likely that the units were built to an Eskom specification (although this has not been verified). The master plan makes provision for the replacement of all units that reach 40 years old.

Given the high cost of the HV/MV power transformers (and associated lead time to motivate and secure the necessary replacement budgets) and the time to procure and install new transformers, it would be advisable for the Municipality to continue oil sampling, purification and analysis on a regular basis

4.2 MV Switchboards

Much of the Municipality’s MV switchgear has exceeded the generally accepted useful life span of 35 years. It is also evident that the Municipality have been proactive in upgrading MV switchboards over the past 5 years and a number of the installations have recently been upgraded, refurbished and/or serviced. Oil-filled switchgear has largely been replaced with Vacuum/SF_6 switchgear. An example of a recent switchboard replacement is shown in Figure 4-1.

Figure 4-1 : Newly Upgraded Suidwal Substation

The majority of the Municipality's substations still utilise oil-filled circuit breakers, with various obsolete models of Reyrolle, Long & Crawford and Yorkshire Switchgear still in operation. RHDHV recognises that the Municipality has started mitigating the risks associated with such an aged "fleet" of switchgear over the past 5 years. It is recommended that the continued replacement of obsolete switchboards in all substations be pursued in line with the findings of this condition assessment and the Municipality's switching risk assessments.

Figure 4-2 : Oil-filled Switchgear at Paradyskloof Substation

4.3 Protection Relays

Protection equipment information is provided in Appendix C. A detailed protection study and audit was outside the scope of the master plan appointment.

Provided that the protection equipment continues to meet the protection philosophy requirements, is reliable, and continues to be tested and maintained there is no necessity to replace the relays. Obsolescence and availability of spare parts or replacement relays may be a concern in future years. Replacements motivated on this basis would depend on the Municipality's risk tolerance as failure rates are low. It is recommended that the 11 kV protection relays continue to be upgraded as part of anticipated on-going switchboard replacements.

The condition of battery tripping units and in particular the batteries appear to be good, although the battery tripping units and battery rooms were not always accessible. Protection equipment is reliant on the provision of a supply from these batteries for tripping purposes. The BTUs are a critical part of the substation and RHDHV recommends that they be thoroughly serviced and load tested at regular intervals. The selection of an alternate battery type might offer reduced maintenance requirements to ensure maximum reliability (e.g. flooded nickel-cadmium or ultra-low maintenance recombination cells).

4.4 General Maintenance Recommendations

The remaining items are of a general maintenance nature and have been recorded here for information and inclusion in routine maintenance plans.

Transformer oil leaks are self-explanatory. These leaks present a risk to the reliability of supply (if not attended to, the Buchholz relay will eventually trip on low oil) and to the environment (as the transformer bays are not all provided with oil containment facilities). It was noted that there is a low occurrence of oil leakages throughout the Municipality's distribution system. From an environmental and social responsibility point of view, leaks should continue to be treated as a priority and oil containment facilities are recommended for future projects and upgrades. "A single drop of used motor oil can contaminate a million drops of water" (British Columbia Used Oil Management Association, 2007).

Recent industry practise is to consider arc protection for air-insulated switchboards, particularly of the withdrawable, metal-clad type. Arc protection could be considered as part of the overall protection philosophy in the future and retrofitted to existing switchboards (if required).

Many of the substations are not adequately protected against water and vermin ingress. All cable entries and exits should be sealed. This will also provide improved protection against a fire "travelling along" the cable route and into the substation (i.e. will provide a measure of fire-stopping). Snakes and other vermin entering substations present both a health and safety risk to personnel and potentially reduce the reliability of the supply (seeking a dark / warm environment they might short-circuit terminals or busbars). The risk of water ingress is aggravated by missing/broken trench covers and open trenches in some instances. Where evidence of rat activity was found, increased pest control measures should be adopted and the frequency of visual inspections of affected enclosures increased until the rat infestation has abated.

(a) An opening viewed from inside (Stone) (b) Sealing concerns (Amantoni)

Figure 4-3 : Substation Sealing Concerns (Example Photos)

General maintenance in the outdoor yards includes items such as topping up the crushed stone layer, repairing fencing, repairing soil erosion, and weeding and weed-control treatment.

Missing or damaged minisub roof bolts poses the risk of a minisub roof being lifted by excessive winds. Although this risk is not assessed with a very high likelihood, the impact could be severe and the risk can be readily mitigated by replacing roof bolts as required.

Earthing installations at outdoor switchgear were visually assessed and no continuity tests were conducted. In general, the earthing installations were found to be adequate and in a good condition. It is recommended that the isolated instances of poor or damaged earthing installations be repaired.

5. SYSTEM PLANNING AND FUTURE NETWORK LOAD FLOW STUDY

Following the load forecast and load flow study of the existing network, this section aims to develop a suitable future network to alleviate the constraints identified in the current network and to cater for the forecast network load.

5.1 Proposed Future Network

The proposed network is based on supporting the high growth scenario at the study horizon. Additions that will not be required in the realistic and low growth scenarios will be identified in the corresponding project schedule presented in Section 6.1.

The proposed network is represented in the following drawings, which have been included in Appendix D[11] and Appendix E:

DRAWING NUMBER	TITLE
I01.CPT.000127/E10	Plan Layout of Network: Stellenbosch (2034)
I01.CPT.000127/E11	Plan Layout of Network: Franschhoek (2034)
I01.CPT.000127/E20	Stellenbosch Network Overview, current network
I01.CPT.000127/E21	Main Substation SLD, Current network
I01.CPT.000127/E22	Markotter Substation SLD, Current network
I01.CPT.000127/E23	University Stellenbosch Substation SLD, Current network
I01.CPT.000127/E24	Jan Marais Substation SLD, current network
I01.CPT.000127/E25	Golf Club Substation SLD, Current network
I01.CPT.000127/E26	Cloetesville Substation SLD, Current network
I01.CPT.000127/E28	Franschhoek Substation SLD, Current network
I01.CPT.000127/E30	Stellenbosch Network Overview, High growth
I01.CPT.000127/E31-E38	Substation SLD's, High growth
I01.CPT.000127/E40	Stellenbosch Network Overview, Realistic growth
I01.CPT.000127/E41-48	Substation SLD's, Realistic Growth

Table 5-1 : Drawing Register

It is noted that the light yellow, semi transparent line style in the current network drawings (I01.CPT.000127/E2x series) denote the proposed expansions, which is shown in solid colours after proposed implementation (I01.CPT.000127/E3x and E4x series).

[11] Drawings in the E2x, E3x and E4x series are screenshots from the DIgSILENT PowerFactory® model of the electrical network.

5.1.1 Kayamandi 66/11 kV Substation

As can be seen in the growth profile of Table 3-6 there is a requirement to construct a new HV/MV substation in the Kayamandi area. The location of the substation is proposed to be close to the 66 kV OHL to the north of Stellenbosch as indicated in Figure 5-1.

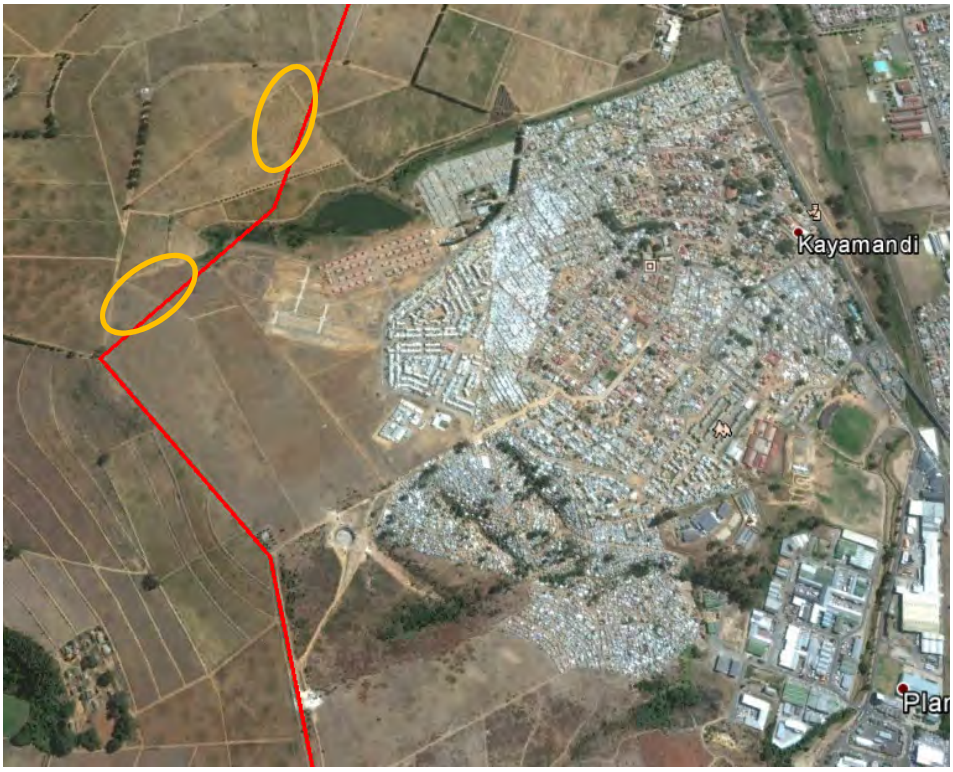


Figure 5-1 : Possible locations for the proposed Kayamandi Substation

The following table indicates possible key aspects of the substation.

Table 5-2 : Proposed key aspects of the Kayamandi Substation

Aspect	**Proposal**
Owner and Operator of HV yard	Eskom
Municipal Supply Voltage	11kV
Arrangement into Eskom network	Spur feed from the Koelenhof/Stellenbosch 66 kV line (similar to the Cloetesville Substation arrangement).
Transformer arrangement	Three 20MVA transformers to a firm capacity of 40MVA.

This substation will supply all new developments in the Kayamandi area and will incorporate the existing network on the western side of the R304.

Having the Kayamandi substation owned and operated by Eskom will have the least impact on capital expenditure as the rural OHL is, and shall remain Eskom property. The substation could either be constructed by Eskom themselves, or by the Municipality under a HV Self-build contract. The latter might have benefits to the Municipality in terms of project lead time and capital cost.

5.1.2 Upgrade of Langstraat Suid Substation

To supply the developments in the Langstraat Suid area an upgrade to the substation is required. The following is proposed:

1. Create a new, brick built substation adjacent to the current substation.
2. Equip the substation with new switchgear.
3. Install bulk 11kV feed from Curry substation by means of two 185mm² Cu cables.
4. Transfer the current feeders to the new substation.
5. Transfer the incomers from Tennant substation to the new substation.
6. Demolish the current substation building.

This upgrade will build on the strong network in the Cloetesville area and afford sufficient capacity for the proposed developments.

5.1.3 New Kwarentyn 11kV substation

To supply the proposed developments on the southern side of Polkadraai road, opposite the industrial area, a substation is required. Due to the following reasons this substation is planned to be fed directly from the Stellenbosch Main substation:

- Substantial capacity required (9.4MVA) that would require four (4) bulk in-feed cables.
- Strengthening of the Distell network is required and will be included with this upgrade.

In the low growth scenario this upgrade could be implemented in phases with the first phase being the installation of the cables into Polkadraai Substation. The subsequent phases will build on this expansion to create the cable feeds into Kwarentyn Substation.

5.1.4 Upgrade of the Stellenbosch Main Substation 66/11kV transformers

Due to the increase in load to the Kwarentyn substation, firm capacity at Stellenbosch Main substation will be exceeded. As the transformers are 7.5 MVA and are aging (manufactured in 1971) an upgrade to these these transformers is proposed. An upgrade to three 15 MVA units will be sufficient for current growth predictions. The option to upgrade to 20 MVA units for standardisation purposes could also be considered.

5.1.5 Upgrade of the Jan Marais Substation

Currently the load on the Jan Marais substation exceeds the contingency capacity. Further to this, expansion is planned for the area, and hence an upgrade is required. The proposed upgrade entails the upgrade of the installed 10 MVA transformers to 20 MVA. This will increase the firm capacity to 20 MVA. To achieve the high growth study horizon rating of 27 MVA a third transformer bay will have to be constructed and equipped. This will increase the contingency capacity of the substation to 27 MVA (limited by in-feed cable size).

An alternative to create an Idas Valley 66/11kV Substation was investigated; this was however not seen as cost efficient as this substation with typical capacities between 20 and 40 MVA will be created to supply the envisaged 6.6 MVA. It is however seen that the Idas Valley HV substation will be required out of the study horizon. When this substation is created an additional HV infeed into Jan Marais is possible, unlocking the full transformer capacity of 40 MVA.

5.1.6 Install Third Transformers

The installation of a third 20 MVA transformer at HV/MV substations is seen as a cost effective way to double the contingency capacity. This is proposed for Golf Club, Cloetesville and Franschhoek substations. The installation of the third transformer will entail an increase to the substation platform footprint, the extension of 66 kV bus-bars, and a possible MV switchboard extension or upgrade.

5.1.7 Increased Capacity at Groendal

To increase the capacity at the Groendal Substation the installation of a third and fourth 185mm² cable is proposed. As the unit protection scheme is installed on the incomers this

will be a suitable arrangement. This will increase the capacity at Groendal to 14 MVA against the study window of 17MVA. During this time growth needs to be monitored and if required an additional MV/MV substation could be installed to create required capacity. The final placement of the MV/MV substation is to be confirmed. It is proposed that the new MV/MV substation, for interim purposes deemed Groendal 2, is directly fed from the Franshhoek Substation.

5.1.8 Additional cables to Uniepark, Hugenote and Engineering faculty

To alleviate the overloading at Uniepark, Hugenote and Engineering Faculty Substations the installation of additional cables as indicated in Table 5-3 is proposed.

Substation	Requirements	Notes
Uniepark	Install a second bulk feeder into Unipark	Extension of switchgear will be required
Hugenote	Install third and fourth cables to Hugenote substation	The use of unit protection to be included in the new cables to enable parallel operation.
Engineering Faculty	Install larger cables	The installation of 185mm² Cu to replace the 150 mm² Al cables

Table 5-3 : Details of various cable upgrades

5.2 Future Network – 2032 Loading (Year 20)

The network as described in Section 5.1 was modelled in detail and is comprehensively captured in the series of SLD drawings as attached (I01.CPT.000127/E3x and E4x). These networks afford the required capacity in the normal and contingency state.

The next table summarizes the proposed firm transformer capacity of the HV to MV substations at the study horizon.

SUBSTATION	PROPOSED FIRM CAPACITY		
	HG	RG	LG
Main Substation	40 MVA	40 MVA	15 MVA
Markotter	15 MVA	15 MVA	15 MVA
University	30 MVA	30 MVA	30 MVA
Jan Marais	40(27) MVA[12]	40(27) MVA	20 MVA
Golf Club	40 MVA	20 MVA	20 MVA
Cloetesville	40 MVA	20 MVA	20 MVA
Franschhoek	40 MVA	20 MVA	20 MVA
Kayamandi	40 MVA	20 MVA	20 MVA

Table 5-4 : Proposed substation firm transformer capacity at study horizon

5.3 Future Land-Use

It is assumed that all MV cables will be installed in road reserves, and sites for the new switching substations will be made available as part of the development and are therefore not listed below.

5.3.1 New Kayamandi Substation

The proposed site was purely selected on proximity to the load and access to the 66 kV OHL. The area needs to be investigated in detail and site selection to be made according to various factors (geographically, accessibility, availability etc.).

[12] 40 MVA firm transformer capacity, limited to 27 MVA based on cable capacity.

5.3.2 Additional Transformer bay's

The following list indicates the impact on current substations that will have to be enlarged to accommodate the third transformer bay.

Substation	Direction of Expansion	Notes
Jan Marais	West	Possibly encroaching on the Jan Marais Park Nature Reserve.
Cloetesville	North	
Golf Club	Unknown	Substation third bay to be equipped in line with original design.
Franschhoek	South	Southern side of incoming feeder

Table 5-5 : Land implication of the installation of the third transformer

5.4 Future NMD for each Point of Supply

The notified maximum demand for each Eskom point of supply, in accordance with the recommendations for the future network development, are summarised below in Table 5-6.

HIGH GROWTH			
Point of Supply	**2014**	**2024**	**2034**
Stellenbosch Main	60 MVA	71 MVA	100 MVA
Cloetesville	16 MVA	17 MVA	24 MVA
Franschhoek	9 MVA	15.5 MVA	27 MVA
Kayamandi	- MVA	10 MVA	24 MVA
REALISTIC GROWTH			
Point of Supply	**2012**	**2022**	**2032**
Stellenbosch Main	60 MVA	68 MVA	77 MVA
Cloetesville	16 MVA	15 MVA	18 MVA
Franschhoek	9 MVA	14 MVA	22 MVA
Kayamandi	- MVA	6 MVA	12.5 MVA

Table 5-6 : Envisaged NMD at Eskom Supply points

6. COSTING AND SCHEDULING OF PROJECTS

6.1 Project Schedules

Section 5.1 reports on the required network upgrades for the high growth scenario at the study horizon (i.e. 2034). This section of the report provides the associated project schedules, which cater for each of the three growth scenarios.

6.1.1 Schedules to provide N-1 Redundancy

Section 3.4 provides a summary of all instances where N-1 redundancy in the existing network is not provided. All the efforts to alleviate these constraints, with the future expansion ambitions in mind, were scheduled in year 2 (2016). Thereafter the upgrades were driven by the load growth.

The dates in the schedules that follow indicate the date at which the specific project is to be commissioned. Equipment and procurement lead times have not been included.

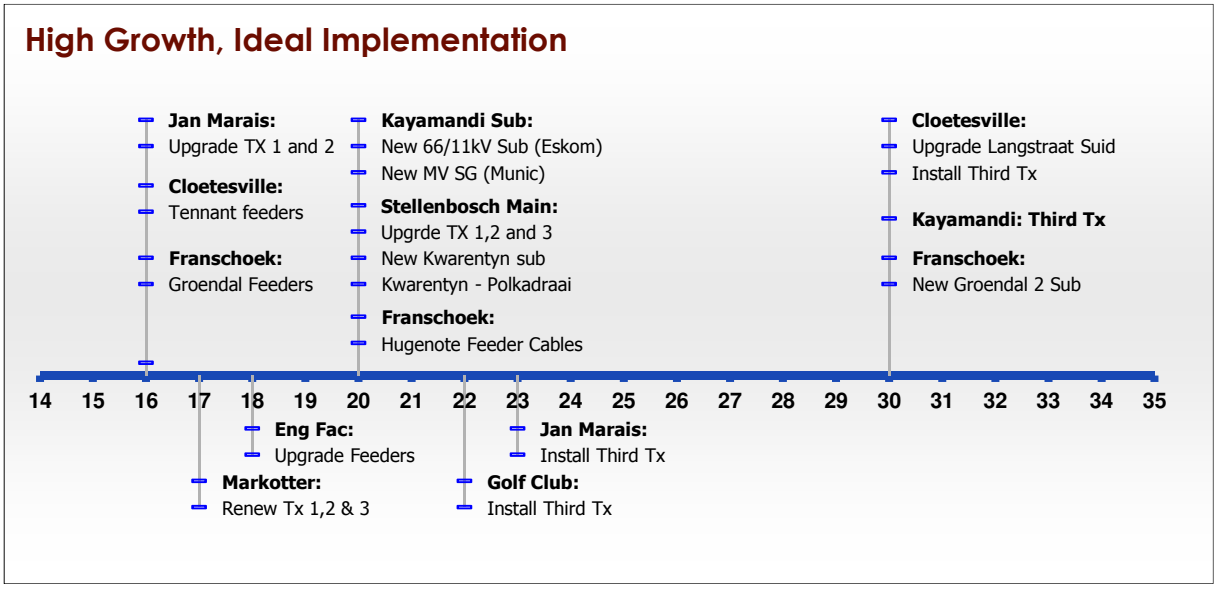


Figure 6-1 : Project Schedule - High Growth with N-1 Redundancy

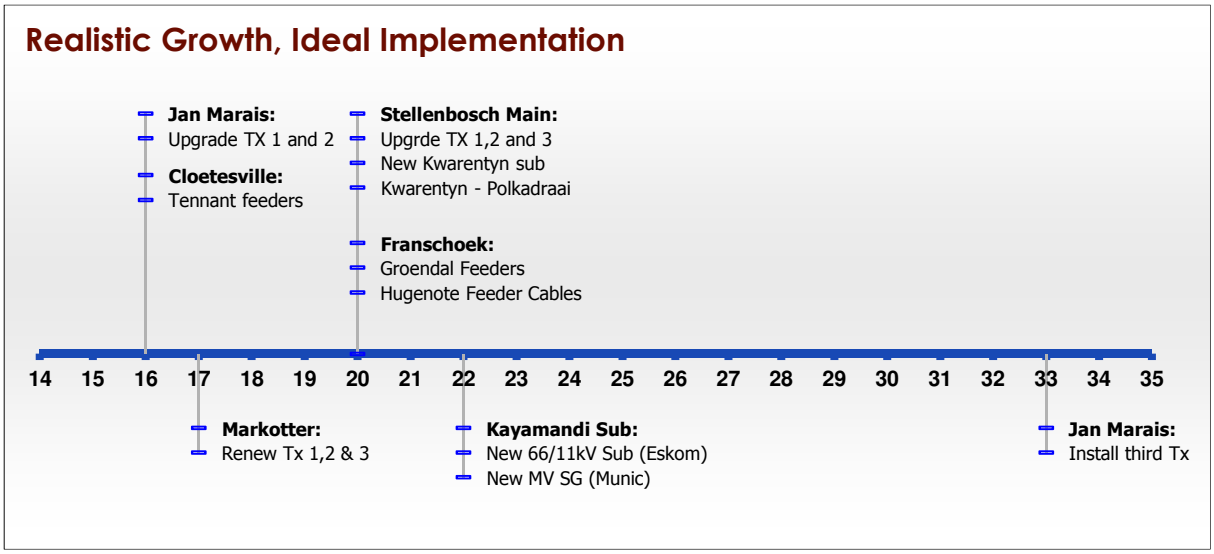


Figure 6-2 : Project Schedule - Realistic Growth with N-1 Redundancy

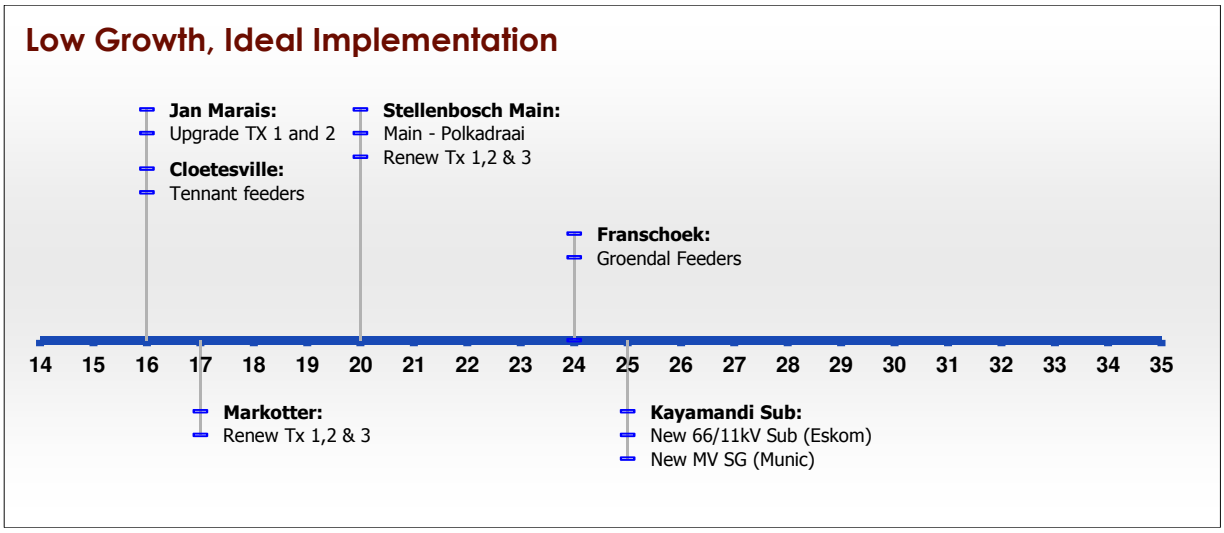


Figure 6-3 : Project Schedule - Low Growth with N-1 Redundancy

6.2 Cost Estimate Introduction

Provisional cost estimates are shown in Table 6-1 and Table 6-2. The estimates have been based on RHDHV database prices for recent projects.

IMPORTANT!

The cost estimates *do not* include:

- Any costs associated with upgrading Eskom substations or equipment, nor any upstream network strengthening requirements; and
- Any costs associated with property acquisition or obtaining servitude rights or costs associated with amending existing servitude rights.

Table 6-1 shows the current cost estimates (2015). The costs shown are for the supply and installation of the equipment only. Professional engineering designs fees would typically be between 7 % and 11 % of the total cost of works; although for projects less than R 10 million fees could reach 15 % (Engineering Council of South Africa, 2015).

Table 6-2 shows the costs escalated at 6 % per annum from 2015 until the year in which the specific project is scheduled. The escalation rate has been based on South Africa's average inflation rate since 2000.

6.3 Basis of Cost Estimate

The following sections aim to provide insight into how the provisional cost estimates have been prepared. The basis notes are presented as a series of bullets categorised for each element of the estimate. In certain instances a qualification or caution is added where, in RHDHV's experience, the provisional costs presented are subject to change considerably.

6.3.1 Substations

- HV Substation pricing has been based on recent similar projects.
- Indoor MV switchgear prices are based on estimates received from ABB for the Unigear range of air-insulated switchboards.

Substation costs vary considerably with the actual site, ground (geological) and hydrologic conditions. Bulk civil quantities, foundation designs, drainage and earth mat requirements are dependent on initial site and soil test work. These estimates are subject to vary considerably and should be firmed up once a few site options have been identified.

6.3.2 Power Transformers

- Power transformer prices have been based on budget prices received from Actom Transformers.
- The prices were for power transformers meeting Eskom standard specifications.
- The price includes transport and offloading.
- An allowance was made to cater for the procurement of slimline transformers to cater for the limited space afforded in the substations.

Transformer pricing is subject to fairly considerable variations based on factory workload. It is noted that currently demand for the larger transformers is low.

6.3.3 Cables

- Cable prices were received from Aberdare Cables.

Cable installation rates were obtained from recent contract prices for work in the Western Cape.

6.4 Provisional Cost Estimate: 2015 Base Prices

The following assists understanding the layout and format of the estimate:

- A short description of each planned development is provided.
- The total estimated value is placed in the column corresponding to the relevant scenario (on the right) in the row representing the year in which the development needs to take place.
- Some developments are repeated in more than one scenario and in different years. The first time a development is listed, it is provided with a description and the title is underlined. Thereafter only the title is shown with a short caption to refer to the previous description of that particular development.

			ESTIMATED 2015 PRICES		
YEAR	DESCRIPTION	UNIT	HIGH GROWTH	MOST-LIKELY GROWTH	LOW GROWTH
2016	**Jan Marais Upgrade** Remove Existing Tx 1 and 2 and replace with 20MVA units	**Sum**	**R 15 593 755**	**R 15 593 755**	**R 15 593 755**
	Comission Tennant feeders Install MV switchgear and comission sub with previously installed cables	**Sum**	**R 4 250 000**	**R 4 250 000**	**R 4 250 000**
	Upgrade Groendal feeders 11kV 3 core 185mmsq PILC(Table19) copper cabling, 2km	**Sum**	**R 2 164 129**		
2017	**Markotter Upgrade** Remove Aged Existing Tx 1, 2 and 3 and replace with New units	**Sum**	**R 22 011 000**	**R 22 011 000**	**R 22 011 000**
2018	**Upgrade Engineering Fac feeders** 11kV 3 core 185mmsq PILC(Table19) copper cabling, 0.5km	**Sum**	**R 476 108**		
2019					
2020	**Kayamandi Sub - HV** Create 66/11 kV substation complete	**Sum**	**R 45 900 000**		
	Kayamandi Sub - Munic MV/MV Substation building and switchgear	**Sum**	**R 5 450 000**		
	Stellenbosch Main - Tx upgrade Remove Existing Tx 1, 2 and 3 and replace with 20MVA units	**Sum**	**R 22 011 000**	**R 22 011 000**	
	Stellenbosch Main - Kwarentyn sub Substation building and switchgear	**Sum**	**R 5 450 000**	**R 5 450 000**	
	Kwarentyn Sub cables 11kV 3 core 185mmsq PILC(Table19) copper cabling, 3.8km	**Sum**	**R 4 111 845**	**R 4 111 845**	
	Franshoek - Hugentoe feeder cables 11kV 3 core 185mmsq PILC(Table19) copper cabling, 5.2km	**Sum**	**R 5 626 735**	**R 5 626 735**	
	Franshoek: Upgrade Groendal feeders 11kV 3 core 185mmsq PILC(Table19) copper cabling, 2km	**Sum**		**R 2 164 129**	
	Stellenbosch Main Upgrade Renew Transformers 1, 2 and 3. 11kV 3 core 185mmsq PILC(Table19) copper cabling from Stellenbosch Main to Polkadraai, 1km.	**Sum**			**R 23 038 961**
2021					
2022	**Kayamandi Sub - HV** Create 66/11 kV substation complete	**Sum**		**R 45 900 000**	
	Kayamandi Sub - Munic MV/MV Substation building and switchgear	**Sum**		**R 5 450 000**	
	Golf Club Third Tx Add third 20MVA transformer	**Sum**	**R 7 337 000**		
2023	**Jan Marais- Third Tx** Add third 20MVA transformer bay	**Sum**	**R 14 475 000**		
2024	**Franshoek - Groendal feeders** 11kV 3 core 185mmsq PILC(Table19) copper cabling, 2km	**Sum**			**R 2 164 129**

			ESTIMATED 2015 PRICES		
YEAR	**DESCRIPTION**	**UNIT**	**HIGH GROWTH**	**MOST-LIKELY GROWTH**	**LOW GROWTH**
2025	**Kayamandi Sub - HV**	**Sum**			**R 45 900 000**
	Create 66/11 kV substation complete				
	Kayamandi Sub - Munic MV/MV	**Sum**			**R 5 450 000**
	Substation building and switchgear				
2026					
2027					
2028					
2029					
2030	**Cloetesville: Upgrade Langstraat suid**	**Sum**	**R 7 614 129**		
	New Substation building, switcgear and feeder cables				
	Cloetesville: Third Tx	**Sum**	**R 7 337 000**		
	Add third 20MVA transformer				
	Franschoek: New Groendal 2 Sub	**Sum**	**R 7 614 129**		
	Substation building, switchgear and				
	Kayamandi: Third Tx	**Sum**	**R 7 337 000**		
	Add third 20MVA transformer				
2031					
2032					
2033	**Jan Marais**	**Sum**		**R 14 475 000**	
	Add third 20MVA transformer bay				
2034					
2035					
		Total	**R 184 800 000**	**R 147 100 000**	**R 118 500 000**

Table 6-1 : Provisional Cost Estimate (2013 Base Prices)

6.5 Provisional Cost Estimate: Escalated Prices

The estimate below is similar to that provided in Section 6.4. The developments and the year in which each is planned remains the same. However, the estimated cost of the development has been escalated at 6 % per annum from the 2013 base year to the year in which the development is planned.

Please refer to the introductory notes of Section 6.4 if clarity on the layout and format of the estimate is required.

			Escalatated 2015 PRICES		
YEAR	**DESCRIPTION**	**UNIT**	**HIGH GROWTH**	**MOST-LIKELY GROWTH**	**LOW GROWTH**
2016	**Jan Marais Upgrade** Remove Existing Tx 1 and 2 and replace with 20MVA units	**Sum**	**R 16 529 380**	**R 16 529 380**	**R 16 529 380**
	Comission Tennant feeders Install MV switchgear and comission sub with previously installed cables	**Sum**	**R 4 505 000**	**R 4 505 000**	**R 4 505 000**
	Upgrade Groendal feeders 11kV 3 core 185mmsq PILC(Table19) copper cabling, 2km	**Sum**	**R 2 293 977**		
2017	**Markotter Upgrade** Remove Aged Existing Tx 1, 2 and 3 and replace with New units	**Sum**	**R 24 731 560**	**R 24 731 560**	**R 24 731 560**
2018	**Upgrade Engineering Fac feeders** 11kV 3 core 185mmsq PILC(Table19) copper cabling, 0.5km	**Sum**	**R 567 053**		
2019					
2020	**Kayamandi Sub - HV** Create 66/11 kV substation complete	**Sum**	**R 61 424 554**		
	Kayamandi Sub - Munic MV/MV Substation building and switchgear	**Sum**	**R 7 293 329**		
	Stellenbosch Main - Tx upgrade Remove Existing Tx 1, 2 and 3 and replace with 20MVA units	**Sum**	**R 29 455 683**	**R 29 455 683**	
	Stellenbosch Main - Kwarentyn sub Substation building and switchgear	**Sum**	**R 7 293 329**	**R 7 293 329**	
	Kwarentyn Sub cables 11kV 3 core 185mmsq PILC(Table19) copper cabling, 3.8km	**Sum**	**R 5 502 576**	**R 5 502 576**	
	Franshoek - Hugentoe feeder cables 11kV 3 core 185mmsq PILC(Table19) copper cabling, 5.2km	**Sum**	**R 7 529 841**	**R 7 529 841**	
	Franshoek: Upgrade Groendal feeders 11kV 3 core 185mmsq PILC(Table19) copper cabling, 2km	**Sum**		**R 2 896 093**	
	Stellenbosch Main Upgrade Renew Transformers 1, 2 and 3. 11kV 3 core 185mmsq PILC(Table19) copper cabling from Stellenbosch Main to Polkadraai, 1km.	**Sum**			**R 30 831 327**
2021					
2022	**Kayamandi Sub - HV** Create 66/11 kV substation complete	**Sum**		**R 69 016 629**	
	Kayamandi Sub - Munic MV/MV Substation building and switchgear	**Sum**		**R 8 194 785**	
	Golf Club Third Tx Add third 20MVA transformer	**Sum**	**R 11 032 135**		

			Escalatated 2015 PRICES		
YEAR	**DESCRIPTION**	**UNIT**	**HIGH GROWTH**	**MOST-LIKELY GROWTH**	**LOW GROWTH**
2023	**Jan Marais- Third Tx**	**Sum**	**R 23 070 951**		
	Add third 20MVA transformer bay				
2024	**Franshoek - Groendal feeders**	**Sum**			**R 3 656 250**
	11kV 3 core 185mmsq PILC(Table19) copper cabling, 2km				
2025	**Kayamandi Sub - HV**	**Sum**			**R 82 199 909**
	Create 66/11 kV substation complete				
	Kayamandi Sub - Munic MV/MV	**Sum**			**R 9 760 120**
	Substation building and switchgear				
2026					
2027					
2028					
2029					
2030	**Cloetesville: Upgrade Langstraat suid**	**Sum**	**R 18 247 703**		
	New Substation building, switcgear and feeder cables				
	Cloetesville: Third Tx	**Sum**	**R 17 583 547**		
	Add third 20MVA transformer				
	Franschoek: New Groendal 2 Sub	**Sum**	**R 18 247 703**		
	Substation building, switchgear and				
	Kayamandi: Third Tx	**Sum**	**R 17 583 547**		
	Add third 20MVA transformer				
2031					
2032					
2033	**Jan Marais**	**Sum**		**R 41 316 559**	
	Add third 20MVA transformer bay				
2034					
2035					
		Total	**R 272 900 000**	**R 217 000 000**	**R 172 300 000**

Table 6-2 : Provisional Cost Estimate (Escalated Prices)

6.6 Cash Flow Forecast

The cash flow forecast, for projects recommended to ensure at least one level of redundancy (N-1) at all substations is fairly evenly spaced (refer to Figure 6-4). This would represent an ideal scenario, that is, to be in a position to almost immediately address the lack of redundancy at substations. It is recommended to build on the current strong network (i.e. most of the networks do have firm capacity) to achieve redundancy by motivating the capital expenditure. The graph in Figure 6-4 has been moderated by dividing the expenditure on significant projects (Kayamandi Substation, Stellenbosch Main upgrades) into two years. This moderation is seen as practical as it is unlikely that these projects will be completed in one financial year. Further moderation (e.g. producing a levelled cash flow implementation) was also not seen as value adding as it will stretch the significant projects for extended periods to achieve.

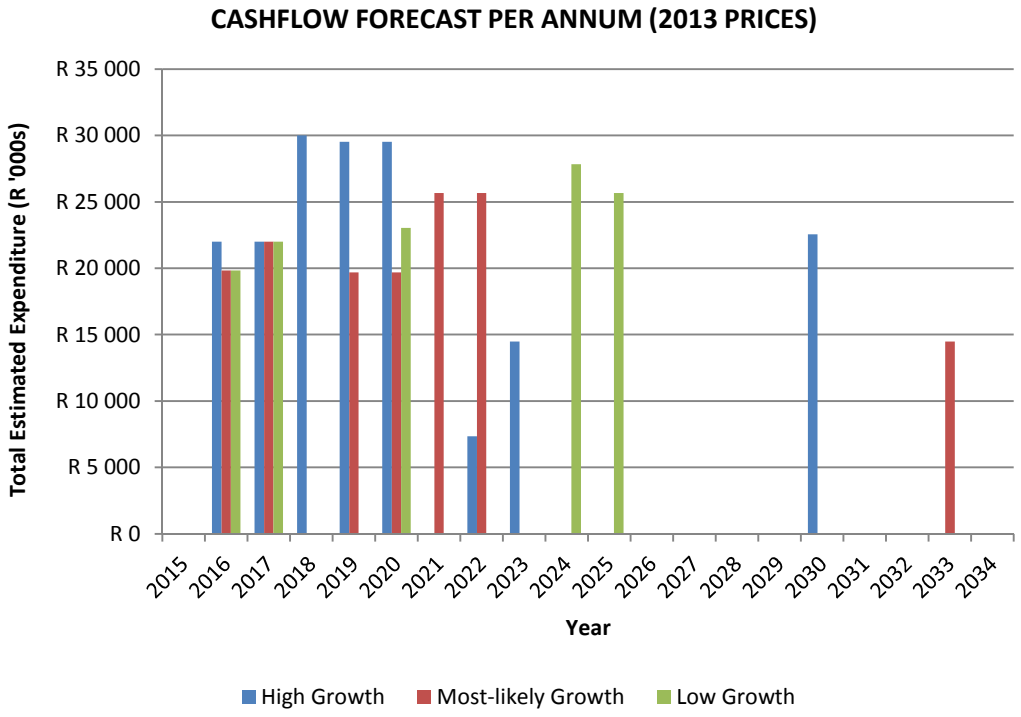


Figure 6-4 : Cash Flow Forecast of Estimated Expenditure

7. CONCLUSION

Stellenbosch Municipality appointed Royal HaskoningDHV for professional services, under contract no. B/SM 50/14 - PO295678, to prepare a 20 year electrical infrastructure master plan for the Municipality. This report presents the master plan.

RHDHVs approach to completing the task is outlined as follows:

- Data Collection and Verification: Review of all relevant technical data provided for the study including the previous master plan, network information, drawings, IDP report, and town planning documentation. This task included meetings with the Electrical Department, town planners, Housing Department and Stellenbosch University to gain further insight into the development plans and priorities for the Municipal area.
- Load Forecast Development: Prepare low, most-likely and high growth scenario forecasts based on the information gathered. These forecasts took into consideration historic growth in energy demand, population growth statistics, town planning and housing objectives, and known future developments. Key electricity consumers were contacted to confirm their respective expansion (or contraction) plans.
- Supply areas were divided into three categories; Main, Secondary and Rural. Main supply areas (e.g. Stellenbosch) will be subjected to load forecast and network modelling as the bulk infrastructure resides with the Municipality. Secondary supplies (e.g. Jamestown) will only be subjected to load forecasting with no network modelling.
- Load Flow Study: Perform a load flow study of the existing network utilising DIgSILENT PowerFactory® to assess the capacity of the network to meet the different growth scenarios. A network model was prepared and used to study the network under various operational and contingency scenarios.
- Condition Assessment of Existing Infrastructure: Visual inspection of all HV/MV and MV/MV substations to assess the condition of the electrical equipment and the potential for expansion (if required). During the inspections equipment nameplate information was recorded for use in the network model. Condition assessment was incorporated into the future network development plans.

- Future Network Design: Prepare conceptual designs of a future network considering the load forecast scenarios and constraints of the existing system. This included further load flow modelling incorporating “expansion stages” to simulate the time sequence of network upgrades. Land-use requirements were considered and briefly reported on together with the likely notified maximum demands at each Eskom point of supply for year-10 and year-20.
- Network Development Timelines: Project schedules were prepared to schedule network developments into the correct year.
- Provisional Cost Estimate Preparation: Based on the future network development plans and schedules, provisional cost estimates were prepared using RHDHV database prices and cost estimating tools together with the occasional budgeted prices from suppliers for high cost items. These costs are presented in 2015 monetary terms and as escalated prices from 2015 to the date scheduled in the proposed project timeline.
- Cashflow Forecast: A cashflow forecast was prepared on the basis of the project schedules and provisional cost estimates.

In Stellenbosch the existing 11 kV distribution network is supplied from a 66 kV HV network which has adequate capacity and provides good operational flexibility under contingency conditions. The Stellenbosch Substation is a significant node and is supplied at 132kV. Internally a 66kV supply is derived to feed into the Stellenbosch Municipal network, as well as to feed the Eskom Rural 66 kV Network. The Eskom 66 kV rural network supplies Cloetesville, and further loads in the Upper Berg River Valley inclusive of the Franschhoek Substation (a HV/MV substation). There is sufficient transformer capacity at most HV/MV substations, the exception being Jan Marais Substation load which currently exceeds the contingency capacity limit. Voltage regulation in the network is within accepted norms. A few of the 11 kV cables to switching / distribution substations are loaded beyond their contingency capacity limit. However, since the 11 kV network is fairly flexible this is not cause for immediate concern.

The growth in electricity demand for the past 9 years has been 3.0 and 4.1 % per annum for Stellenbosch and Franschhoek respectively. The combined demand reached a peak of just over 75 MVA and 9 MVA for Stellenbosch and Franschhoek respectively. The population

growth rate for the period 2001-2011 was 2.7 %, which was higher than the Western Cape growth rate for the same period.

The Municipality has made good progress providing access to electricity. The 2011 census indicated that 98.8 % of households had access to electricity. Therefore electrification projects are unlikely to be a significant contributor to future demand growth. The provision of housing remains a challenge for the Municipality, with 20 000 persons on the waiting list as at 2014.

The integrated development plan identifies a number of properties for future housing and industrial developments. Kayamandi and Groendal expansions are notable low income housing developments with 4600 and 1500 units planned for each. The Municipality has also successfully attracted developers of high income housing projects which is widespread in the municipal area. These residential property developments are a significant contributor to the future load. The Polkadraai commercial/industrial property is also of note at 11 ha.

The load forecast followed from an analysis of the available historic electricity use for the Municipality. Low, most-likely and high growth scenarios were based on percentage growth rates selected using primarily judgemental methods after studying the various population, town planning, and housing statistics. The growth rates were applied from the 2014 trendline electricity demand and a future development forecast used to cross-check the scenario growth rates.

The future development forecast was prepared in consultation with the Municipality and aimed to cater for all future development plans (residential, commercial and industrial). Residential loads were estimated using a typical ADMD value, whilst industrial and commercial loads were estimated based on the particular development. The number of units built per year and the priority of these respective developments correlated well with the future development forecast.

RHDHV made use of the future development forecast to apportion the scenario growth at year-20 to the respective substations (i.e. to guide the geographic placement of future load). This approach is considered appropriate and the associated risk is at the secondary substation level, where network development plans may be a little late in the situation where a specific development receives a higher priority than originally anticipated.

The forecast accuracy should be reasonably good for the first few years and will progressively decay as time progresses and unforeseen external factors come to bear. The low, most-likely and high growth scenarios aim to take account of this uncertainty to a certain extent. The resulting impact of forecast error will materialise primarily in the timing of the network development projects. The network development recommendations will remain valid but they may need to be delayed or brought forward based on the timing of actual future demand. This provides motivation for continued focus on the electricity metering systems at substation level to obtain reliable metering information and inform future decision making in accordance with this master plan. This is especially critical for the internal 66 kV cabled network as this is approaching the capacity limit at the study horizon.

At year-10 (2024) the combined demand is forecast to be in the range 97-107 MVA and this increases to a range of 127-157 MVA in year-20 (2034). As the load increases Cloetesville, Stellenbosch Main, Golf Club, Jan Marais and Franschhoek Substations will have insufficient capacity. Load growth at Watergang (Kayamandi residential), Groendal (Franschhoek residential) and Kwarentyn (Stellenbosch commercial) will warrant the construction of one, or multiple, switching substations to distribute the total load requirements in these areas. Whilst at Engineering Faculty, Uniepark, Langstraat Suid and Hugenote the load will marginally exceed the current capacity by an extent that requires attention but does not warrant new substations.

A new, HV/MV substation will be required to unlock the expansion of the current Kayamandi area. The proximity of this development to the rural 66 kV Eskom feed makes the placement of a substation similar to the Cloetesville Substation in the area ideal. This Substation, initially deemed Kayamandi Substation, is envisaged to supply most of the consumers to the west of the R304.

The upgrade of Stellenbosch Main and Jan Marais Substation will constitute the replacement of current transformers to bigger units to increase the firm capacity. Upgrade to Cloetesville, Golf Club, Franschhoek and further upgrades to Jan Marais Substations to be the addition of a third HV/MV transformer. New HV Switching Substations is proposed to cater for the loads at Kwarentyn, Langstraat Suid and Groendal, and cable upgrades to the balance of the overloaded substations.

The future network model was built in DIgSILENT PowerFactory® and used for further load flow studies and simulations. The network meets the loading requirements and provides N-1 redundancy at all substations[13]. The model was used to prepare network development timelines or schedules.

Land will be required for the new, HV/MV substation (Kayamandi) along with the new distribution substations which presumably will be included in the development plans.

A point of supply demand forecast has been prepared, including the new Kayamandi Substation point of supply, for assisting the Municipality in discussions with Eskom and to guide the notified maximum demand requirements. The Municipality is strongly encouraged to continue engaging with Eskom on a regular basis to ensure that Eskom's upstream infrastructure planning complements the Municipality's network development plans and strategy.

The condition assessment of the electrical infrastructure was limited to visual inspections, from the ground, under energised conditions. Overall the electrical assets appear in a good condition. RHDHV recommends the planned replacement of power transformers no later than 40 years after manufacture. This includes the transformers at Markotter Substation. More detailed transformer tests and analysis might indicate otherwise and such tests should be considered. The indoor 11 kV switchboards have gradually been replaced by the Municipality and RHDHV recommends that priority be given to replacing the remaining oil-filled switchgear.

RHDHV has made further recommendations which fall outside the scope of the master plan but have been included for information and inclusion in routine maintenance and adhoc, smaller projects. The main concern noted being the vermin and moisture sealing of substation rooms.

[13] Note that redundancy is provided at all substations but that at Cloetesville and Franschhoek no redundancy will be provided on the 66 kV supply to the substation.

To conclude, a number of promising developments have been planned which aim to promote economic growth and provide additional employment and formal housing within the municipal boundaries. The investment in the electrical infrastructure will enable this growth and take pressure off the Electrical Department to provide, and guarantee, a suitably secure and reliable supply of electricity to all consumers.

8. RECOMMENDATIONS

This section aims to provide a concise summary of the key recommendations made in this report in no specific order. For further details, refer to the executive summary or the main body of the report.

i. Engage with Eskom to discuss the load forecast and future network development plans to ensure that upstream network planning is well aligned with the Municipality's objectives and strategy. The discussions will further provide the opportunity to discuss any network strengthening or upgrades that will be required to Eskom's network and the associated costs and project lead times.

ii. Prepare for the new, HV/MV Kayamandi Substation. Allow sufficient lead time for these projects in order that suitable locations may be identified and compared to one another as part of the early phases of the design.

iii. Plan for the upgrade and/or expansion of HV/MV transformation capacity at the Stellenbosch Main, Cloetesville, Golf Club, Jan Marais and Franschhoek Substations.

iv. Replace the older power transformers as they approach 40 years. In the interim, adhere to a strict programme of continual assessment and monitoring of the units, especially transformer oil purification and testing.

v. Plan for a new Kwarentyn, Langstraat Suid and Groendal Substations.

vi. Prepare the necessary motivations to secure capital budgets for the network developments. It would be advantageous if multi-year budget allocations could be motivated for the larger network developments.

Include the various small items identified during the condition assessment but falling outside the scope of the master plan, into routine maintenance or smaller projects. A number of fairly important, albeit small, items have been identified that should be addressed as soon as possible.

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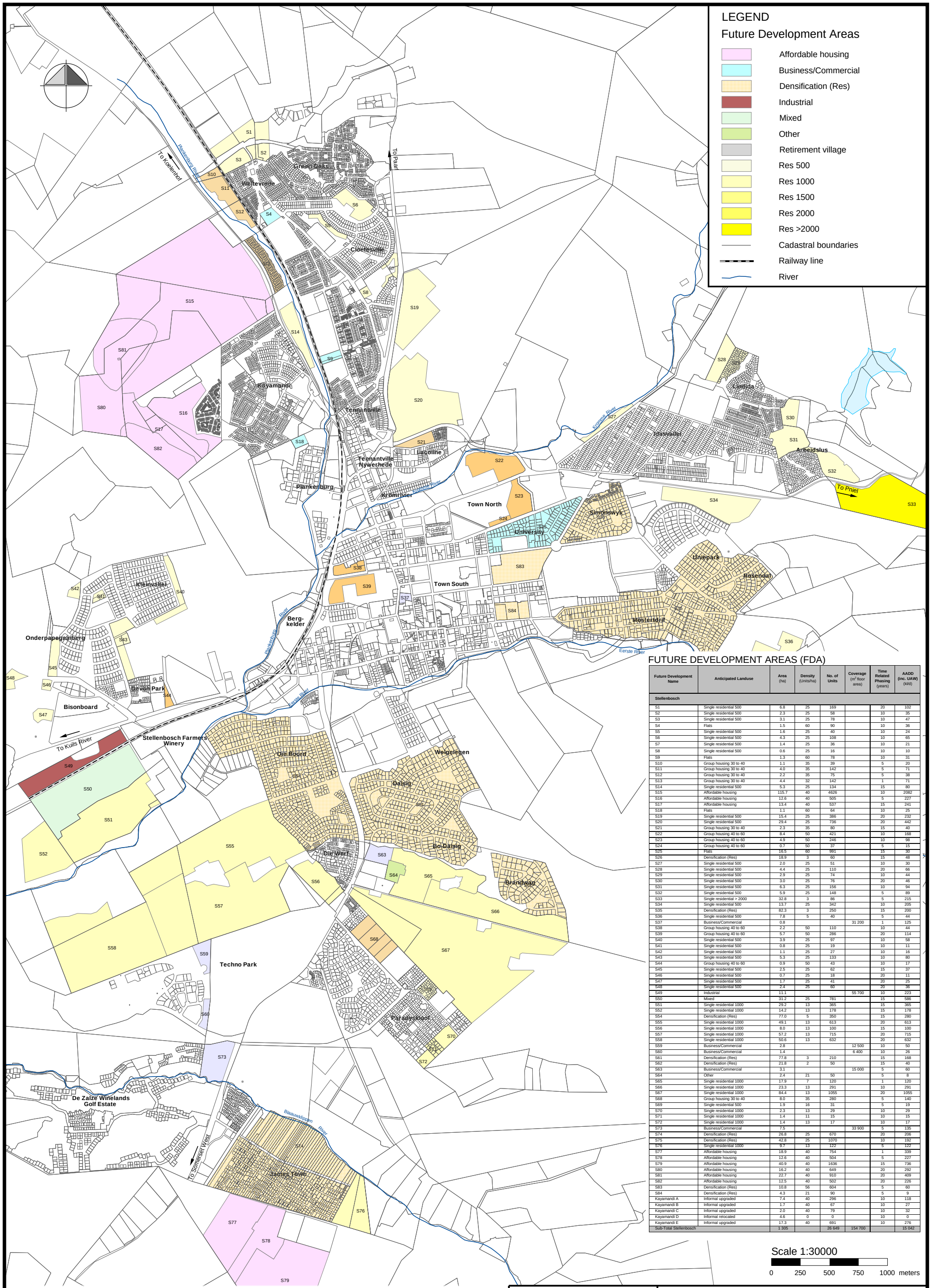
APPENDIX A : DEVELOPMENT PLAN



FUTURE DEVELOPMENT AREAS (FDA)

Future Development Name	Anticipated Landuse	Area (ha)	Density (Units/ha)	No. of Units	Coverage (m^2 floor area)	Time Related Phasing (years)	AADD (inc. UAW) (kl/d)
Stellenbosch							
S1	Single residential 500	6.8	25	169		20	102
S2	Single residential 500	2.3	25	58		10	35
S3	Single residential 500	3.1	25	78		10	47
S4	Flats	1.5	60	90		10	36
S5	Single residential 500	1.6	25	40		10	24
S6	Single residential 500	4.3	25	108		10	65
S7	Single residential 500	1.4	25	36		10	21
S8	Single residential 500	0.6	25	16		10	10
S9	Flats	1.3	60	78		10	31
S10	Group housing 30 to 40	1.1	35	39		5	20
S11	Group housing 30 to 40	4.0	35	142		5	71
S12	Group housing 30 to 40	2.2	35	75		5	38
S13	Group housing 30 to 40	4.4	32	142		1	71
S14	Single residential 500	5.3	25	134		15	80
S15	Affordable housing	115.7	40	4626		10	2082
S16	Affordable housing	12.6	40	505		5	227
S17	Affordable housing	13.4	40	537		15	241
S18	Flats	1.1	60	64		10	25
S19	Single residential 500	15.4	25	386		20	232
S20	Single residential 500	29.4	25	736		20	442
S21	Group housing 30 to 40	2.3	35	80		15	40
S22	Group housing 40 to 60	8.4	50	421		10	168
S23	Group housing 40 to 60	4.9	50	246		10	98
S24	Group housing 40 to 60	0.7	50	37		5	15
S25	Flats	16.5	60	991		15	30
S26	Densification (Res)	18.9	3	60		15	48
S27	Single residential 500	2.0	25	51		10	30
S28	Single residential 500	4.4	25	110		20	66
S29	Single residential 500	2.9	25	74		10	44
S30	Single residential 500	3.0	25	76		20	46
S31	Single residential 500	6.3	25	156		10	94
S32	Single residential 500	5.9	25	148		5	89
S33	Single residential > 2000	32.8	3	86		5	215
S34	Single residential 500	13.7	25	342		10	205
S35	Densification (Res)	82.3	3	250		15	200
S36	Single residential 500	7.8	5	40		5	44
S37	Business/Commercial	0.8			31 200	1	125
S38	Group housing 40 to 60	2.2	50	110		10	44
S39	Group housing 40 to 60	5.7	50	286		20	114
S40	Single residential 500	3.9	25	97		10	58
S41	Single residential 500	0.8	25	19		10	11
S42	Single residential 500	1.1	25	27		10	16
S43	Single residential 500	5.3	25	133		10	80
S44	Group housing 40 to 60	0.9	50	43		10	17
S45	Single residential 500	2.5	25	62		15	37
S46	Single residential 500	0.7	25	18		20	11
S47	Single residential 500	1.7	25	41		20	25
S48	Single residential 500	2.4	25	60		20	36
S49	Industrial	11.1			55 700	10	223
S50	Mixed	31.2	25	781		15	586
S51	Single residential 1000	29.2	13	365		15	365
S52	Single residential 1000	14.2	13	178		15	178
S54	Densification (Res)	77.0	5	350		15	280
S55	Single residential 1000	49.1	13	613		20	613
S56	Single residential 1000	8.0	13	100		15	100
S57	Single residential 1000	57.2	13	715		20	715
S58	Single residential 1000	50.6	13	632		20	632
S59	Business/Commercial	2.8			12 500	10	50
S60	Business/Commercial	1.4			6 400	10	26
S61	Densification (Res)	77.8	3	210		15	168
S62	Densification (Res)	21.8	2	50		15	40
S63	Business/Commercial	3.1			15 000	5	60
S64	Other	2.4	21	50		5	8
S65	Single residential 1000	17.9	7	120		1	120
S66	Single residential 1000	23.3	13	291		10	291
S67	Single residential 1000	84.4	13	1055		20	1055
S68	Group housing 30 to 40	8.0	35	280		5	140
S69	Single residential 500	1.9	16	31		5	19
S70	Single residential 1000	2.3	13	29		10	29
S71	Single residential 1000	1.4	11	15		10	15
S72	Single residential 1000	1.4	13	17		10	17
S73	Business/Commercial	7.5			33 900	5	135
S74	Densification (Res)	26.8	25	670		20	206
S75	Densification (Res)	42.8	25	1070		10	192
S76	Single residential 1000	9.7	13	122		5	122
S77	Affordable housing	18.9	40	754		1	339
S78	Affordable housing	12.6	40	504		5	227
S79	Affordable housing	40.9	40	1636		15	736
S80	Affordable housing	16.2	40	649		20	292
S81	Affordable housing	22.7	40	910		20	409
S82	Affordable housing	12.5	40	502		20	226
S83	Densification (Res)	10.8	56	604		5	60
S84	Densification (Res)	4.3	21	90		5	9
Kayamandi A	Informal upgraded	7.4	40	296		10	118
Kayamandi B	Informal upgraded	1.7	40	67		10	27
Kayamandi C	Informal upgraded	2.0	40	79		10	32
Kayamandi D	Informal relocated	4.6	0	0		10	0
Kayamandi E	Informal upgraded	17.3	40	691		10	276
Sub-Total Stellenbosch		1 305		26 649	154 700		15 042

Scale 1:30000

0 250 500 750 1000 meters

December 2011

STELLENBOSCH WATER MASTER PLAN

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Figure SW 4.1a

Potential future developments - Stellenbosch

LEGEND

Future Development Areas

- Affordable housing
- Business/Commercial
- Densification (Res)
- Industrial
- Mixed
- Other
- Retirement village
- Res 500
- Res 1000
- Res 1500
- Res 2000
- Res >2000
- Cadastral boundaries
- Railway line
- River

FUTURE DEVELOPMENT AREAS

Future Development Name	Anticipated Landuse	Area (ha)	Density (Units/ha)	No. of Units	Coverage (m^2 floor area)	Time Related Phasing (years)	AADD (inc. UAW) (kl/d)
Dwars River							
DR1	Single residential 1000	6.0	13	74		5	74
DR2	Single residential 500	2.1	25	54		5	32
DR3	Single residential 500	22.6	25	565		10	339
DR4	Affordable housing	20.8	40	830		10	374
DR5	Single residential > 2000	3.2	4	12		10	30
DR6	Single residential 500	14.6	25	365		5	219
DR7	Single residential 500	14.0	25	349		10	209
DR8	Single residential 500	6.1	25	152		15	91
DR9	Affordable housing	16.9	40	675		5	304
DR10	Single residential > 2000	19.4	1	19		10	48
DR11	Single residential > 2000	8.0	1	7		10	18
DR12	Single residential 1500	9.0	8	68		15	102
DR13	Single residential 1500	3.9	8	29		15	44
DR14	Single residential 1500	7.2	8	54		15	81
DR15	Single residential 1500	6.0	8	45		15	68
DR16	Single residential 1500	14.1	8	106		15	159
DR17	Single residential 1500	12.0	8	90		15	135
DR18	Business/Commercial	10.5			9 000	15	36
DR19	Business/Commercial	25.0	45	1126		15	450
DR20	Mixed	15.1	25	377		20	282
DR21	Business/Commercial	18.8	45	848		20	339
DR22	Retirement village	10.8	15	158		15	79
DR23	Retirement village	18.6	15	273		15	137
DR24	Retirement village	4.9	14	70		15	35
DR25	Industrial	2.1	50	107		10	43
DR26	Other	7.2	17	120		10	33
DR27	Single residential 1000	16.3	13	203		20	203
DR28	Single residential 1500	14.9	8	112		20	168
DR29	Single residential 2000	23.7	5	118		20	237
Sub-Total Dwars River		354		7 006	9 000		4 368

To Paarl

To Franschhoek

To Stellenbosch

Dwars River

Pniël

Lanquedoc

Johannesdal

Kylemore

Scale 1:30000

0 250 500 750 1000 meters

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STELLENBOSCH WATER MASTER PLAN

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Figure SW 4.1b

Potential future developments - Dwars River

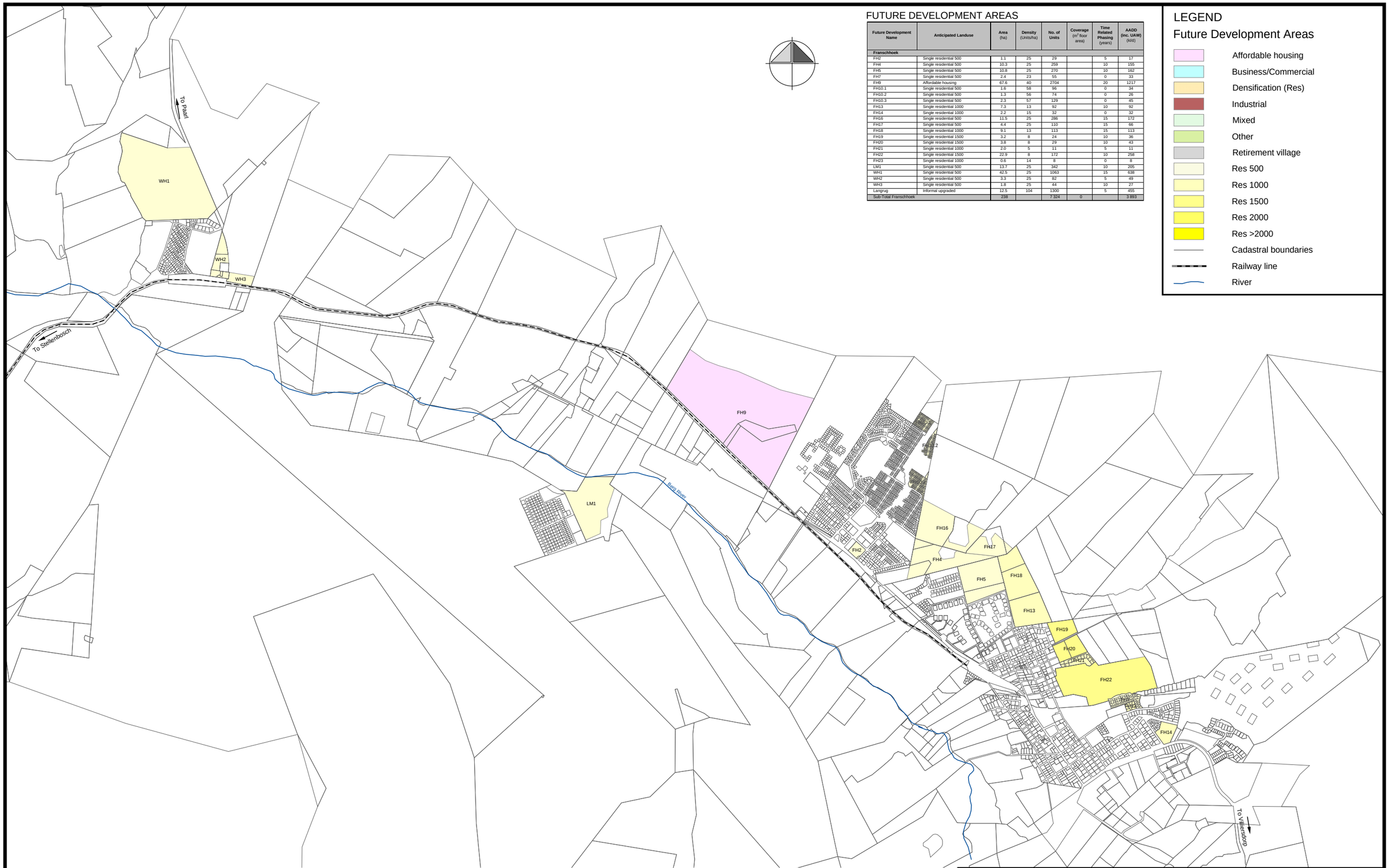
FUTURE DEVELOPMENT AREAS

Future Development Name	Anticipated Landuse	Area (ha)	Density (Units/ha)	No. of Units	Coverage (m^2 floor area)	Time Related Phasing (years)	AADD (inc. UAW) (kl/d)
Franschhoek							
FH2	Single residential 500	1.1	25	29		5	17
FH4	Single residential 500	10.3	25	259		10	155
FH5	Single residential 500	10.8	25	270		10	162
FH7	Single residential 500	2.4	23	55		0	33
FH9	Affordable housing	67.6	40	2704		20	1217
FH10.1	Single residential 500	1.6	58	96		0	34
FH10.2	Single residential 500	1.3	56	74		0	26
FH10.3	Single residential 500	2.3	57	129		0	45
FH13	Single residential 1000	7.3	13	92		10	92
FH14	Single residential 1000	2.2	15	32		0	32
FH16	Single residential 500	11.5	25	286		15	172
FH17	Single residential 500	4.4	25	110		15	66
FH18	Single residential 1000	9.1	13	113		15	113
FH19	Single residential 1500	3.2	8	24		10	36
FH20	Single residential 1500	3.8	8	29		10	43
FH21	Single residential 1000	2.0	5	11		5	11
FH22	Single residential 1500	22.9	8	172		10	258
FH23	Single residential 1000	0.6	14	8		0	8
LM1	Single residential 500	13.7	25	342		10	205
WH1	Single residential 500	42.5	25	1063		15	638
WH2	Single residential 500	3.3	25	82		5	49
WH3	Single residential 500	1.8	25	44		10	27
Langrug	Informal upgraded	12.5	104	1300		5	455
Sub-Total Franschhoek		238		7 324	0		3 893

LEGEND

Future Development Areas

- Affordable housing
- Business/Commercial
- Densification (Res)
- Industrial
- Mixed
- Other
- Retirement village
- Res 500
- Res 1000
- Res 1500
- Res 2000
- Res >2000
- Cadastral boundaries
- Railway line
- River



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STELLENBOSCH WATER MASTER PLAN

Scale 1:30000

0 250 500 750 1000 meters

gls consulting

Figure SW 4.1c

Potential future developments - Franschhoek

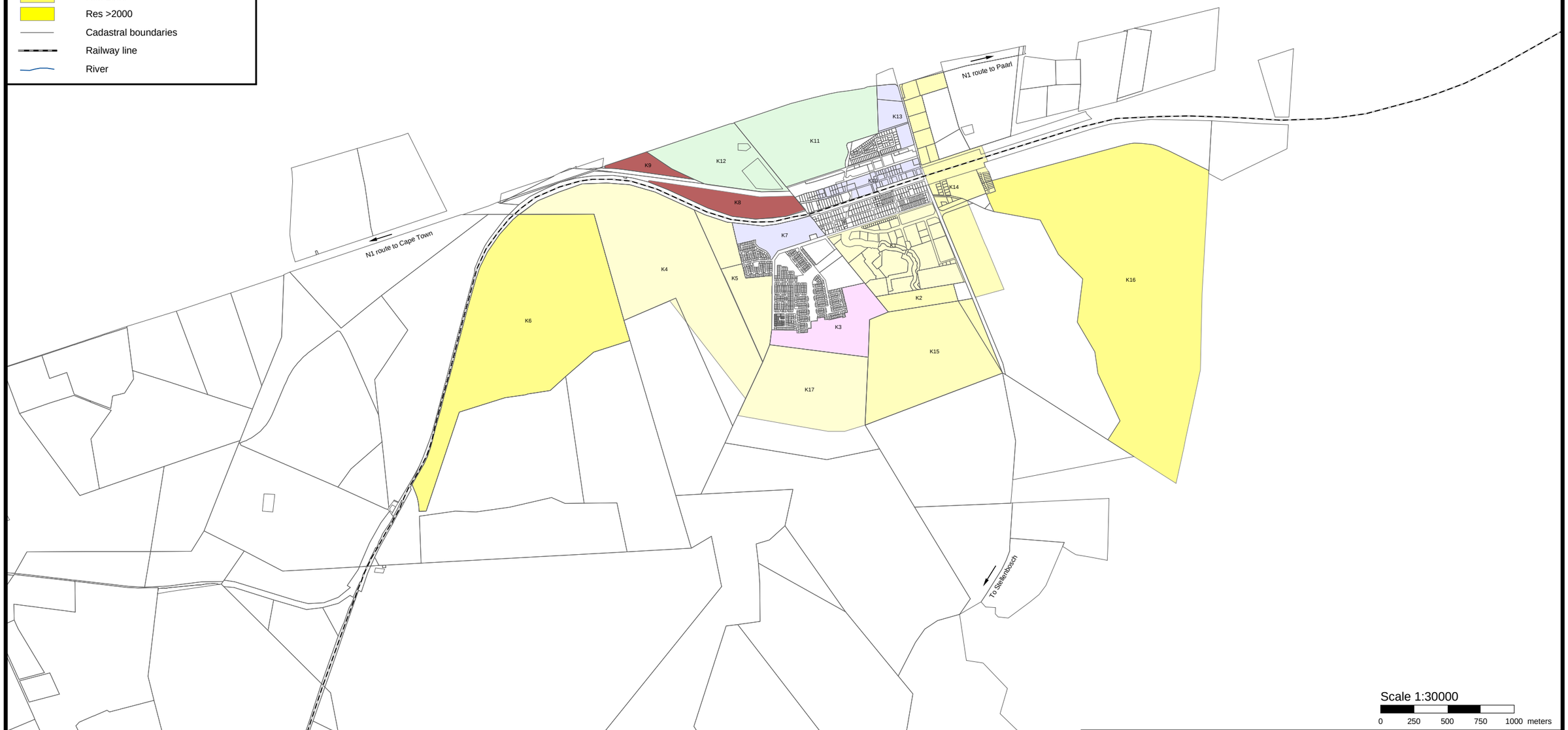
LEGEND

Future Development Areas

- Affordable housing
- Business/Commercial
- Densification (Res)
- Industrial
- Mixed
- Other
- Retirement village
- Res 500
- Res 1000
- Res 1500
- Res 2000
- Res >2000
- Cadastral boundaries
- Railway line
- River

FUTURE DEVELOPMENT AREAS

Future Development Name	Anticipated Landuse	Area (ha)	Density (Units/ha)	No. of Units	Coverage (m^2 floor area)	Time Related Phasing (years)	AADD (inc. UAW) (kl/d)
Klapmuts							
K1	Single residential 500	43.8	38	1665		5	1011
K2	Single residential 1000	7.3	20	145		10	145
K3	Affordable housing	21.5	51	1100		1	495
K4	Single residential 500	100.8	15	1480		15	888
K5	Single residential 500	21.8	16	339		5	203
K6	Single residential 1500	145.1	2	305		10	458
K7	Business/Commercial	11.0			21 500	15	86
K8	Industrial	14.3			22 300	15	89
K9	Industrial	5.1			13 800	20	55
K10	Business/Commercial	9.1			30 300	10	121
K11	Mixed	47.7	17	821		15	616
K12	Mixed	29.2	11	309		20	232
K13	Business/Commercial	8.1			34 300	10	137
K14	Single residential 1000	43.1	5	223		20	223
K15	Single residential 1000	64.2	7	468		15	468
K16	Single residential 1500	222.7	0	80		20	120
K17	Single residential 500	48.1	13	615		20	369
Sub-Total Klapmuts		843		7 570	122 200		5 716



Scale 1:30000

0 250 500 750 1000 meters

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STELLENBOSCH WATER MASTER PLAN

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Figure SW 4.1d

Potential future developments - Klapmuts

PROPOSED EXPANSION RECEIVED FROM UNIVERSITY OF STELLENBOSCH FOR THE 20 YEAR FORECAST

11kV Supply	Existing Nominated Max Demand (KVA)	New Nominated Max Demand (KVA)
Biologie (JC Smuts)	1 000	1 500
BJ Voster (Lettere)	2 000	2 000
DF Malan (Schuman)	1 000	1 500
Erica	2 000	2 000
Helderberg	500	500
Ingenieurs	4 000	4 500
Instandhouding	1 000	2 000
Konservatorium	1 000	2 000
Monica	1 000	1 500
Neelsie (LSS)	4 000	5 000
Simonsberg	1 500	2 500
Welgevallen	1 000	2 000
Coetzenburg	1 000	3 000
TOTAL	**21 000**	**30 000**

APPENDIX B : LIST OF FUTURE DEVELOPMENTS & ASSOCIATED LOADS

LIST OF FUTURE DEVELOPMENTS AND ASSOCIATED LOADS - STELLENBOSCH TOWN

																															Base	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
								PLANNED HOUSING NUMBERS																								LOAD ESTIMATE																				
		Map Ref	Supply Substation	Units (Qty)	Closest Substation	Notes	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29	'30	'31	'32	'33	'34	>'35	Total Units	ADMD (kVA)	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total kVA
			Cloetesville Substation																																																	
Known Developments	High Income	S1	Single Residential Development	169	Cloetesville 1	(1)								30	30	30	30	30	19										169	5.30		0	0	0	0	0	0	159	159	159	159	159	101	0	0	0	0	0	0	0	0	896
																													0	5.30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																													0	5.30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																														5.30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Medium Income	N/A	New 32 Unit Development (Nooitgedacht, Block C, Tay	32	Cloetesville 1	(3)	32																	32					32	4.72	151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	151	0	0	0	151
																													0	4.72		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		S2	Single Residential Development	58	Cloetesville 1	(1)								58															58	4.72		0	0	0	0	0	0	274	0	0	0	0	0	0	0	0	0	0	0	0	0	274
		S3	Single Residential Development	78	Cloetesville 1	(1)								78															78	4.72		0	0	0	0	0	0	368	0	0	0	0	0	0	0	0	0	0	0	0	0	368
		S4	Flats	90	Cloetesville 1	(1)								90															90	4.72		0	0	0	0	0	0	425	0	0	0	0	0	0	0	0	0	0	0	0	0	425
		S5	Single Residential Development	40	Cloetesville 1	(1)								40															40	4.72		0	0	0	0	0	0	189	0	0	0	0	0	0	0	0	0	0	0	0	0	189
		S6	Single Residential Development	108	Cloetesville 1	(1)								108															108	4.72		0	0	0	0	0	0	510	0	0	0	0	0	0	0	0	0	0	0	0	0	510
		S7	Single Residential Development	36	Langstraat Suid	(1)								36															36	4.72		0	0	0	0	0	0	170	0	0	0	0	0	0	0	0	0	0	0	0	0	170
		S8	Single Residential Development	16	Langstraat Suid	(1)								16															16	4.72		0	0	0	0	0	0	76	0	0	0	0	0	0	0	0	0	0	0	0	0	76
		S9	Flats	78	Langstraat Suid	(1)																							0	4.72		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		S10	Group Housing	39	Cloetesville 1	(1)				39																			39	4.72		0	0	184	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	184
		S11	Group Housing	142	Cloetesville 1	(1)	142																						142	4.72	670	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	670
		S12	Group Housing	75	Cloetesville 1	(1)		75																					75	4.72		354	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	354
		S13	Group Housing	142	Cloetesville 1	(1)		142																					142	4.72		670	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	670
		S14	Single Residential Development	134	Cloetesville 1	(1)													134										134	4.02		0	0	0	0	0	0	0	0	0	0	0	539	0	0	0	0	0	0	0	0	539
		S18	Flats	64	Tennant	(1)								64															64	4.72		0	0	0	0	0	0	302	0	0	0	0	0	0	0	0	0	0	0	0	0	302
		S19	Single Residential Development	386	Langstraat Suid	(1)																		386					386	4.72		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 822	0	0	0	1 822
		S20	Single Residential Development	736	Langstraat Suid	(1)																		380	356				736	4.72		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 794	1 680	0	0	3 474
		S21	Group Housing	80	Tennant	(1)													15										15	4.02		0	0	0	0	0	0	0	0	0	0	0	60	0	0	0	0	0	0	0	0	60
																													0	4.72		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Low Income	N/A	Kayamandi (A to E)	1 133	Watergang	(1)							300	300	300	233													1 133	2.65		0	0	0	0	0	796	796	796	618	0	0	0	0	0	0	0	0	0	0	0	3 007
		S80	Affordable Housing	649	Watergang	(1)																	300	349					649	2.65		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	796	926	0	0	0	1 723
		S81	Affordable Housing	910	Watergang	(1)																		300	300	310			910	2.65		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	796	796	823	0	2 416
		S82	Affordable Housing	502	Watergang	(1)																				502			502	2.65		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 333	0	1 333
		S15	Affordable Housing	4 626	Watergang	(1)								300	300	300	300	300	300	300	300	300	300	300	300	300	300	426	4 626	2.65		0	0	0	0	0	0	796	796	796	796	796	796	796	796	796	796	796	796	796	796	11 148
		S16	Affordable Housing	505	Watergang	(1)		300	205																				505	2.65		796	544	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 340
		S17	Affordable Housing	537	Watergang	(1)													300	237									537	2.65		0	0	0	0	0	0	0	0	0	0	0	796	629	0	0	0	0	0	0	0	1 425
																													0	2.65		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Commercial																												0	2.65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																													0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																													0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Total for Cloetesville substation					517	205	39	0	0	300	1120	630	563	330	330	768	537	300	300	600	1747	956	1112	300	426	11222		821	1 821	544	184	0	0	796	4 064	1 752	1 574	955	955	2 292	1 425	796	796	1 593	6 286	3 273	2 952	796	33 526
			Jan Marias Substation																																																	
	High Income	S32	Single Residential Development	148	Stone	(1)			30	30	30	30	28																148	5.30		0	159	159	159	159	148	0	0	0	0	0	0	0	0	0	0	0	0	0	0	784
																													0	5.30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																													0	5.30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																													0	5.30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																													0	5.30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Medium Income	S26	Densification of Residential Area	60	Jan Marais 1	(1)													60										60	4.72		0	0	0	0	0	0	0	0	0	0	0	283	0	0	0	0	0	0	0	0	283
		S27	Single Residential Development	51	Tindal	(1)								51															51	4.72		0	0	0	0	0	0	241	0	0	0	0	0	0	0	0	0	0	0	0	0	241
		S28	Single Residential Development	110	Stone	(1)																							0	4.72		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																													0	4.72		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		S30	Single Residential Development	76	Stone	(1)																	76						76	4.72		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	359	0	0	0	0	359
		S31	Single Residential Development	156	Stone	(1)								156															156	4.72		0	0	0	0	0	0	736	0	0	0	0	0	0	0	0	0	0	0	0	0	736
																													0	4.72		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		S33	Single Residential Development	86	Stone	(1)																							0	4.72		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		S34	Single Residential Development	342	Uniepark	(1)								342															342	4.72		0	0	0	0	0	0	1 614	0	0	0	0	0	0	0	0	0	0	0	0	0	1 614
		S35	Densification of Residential Area	250	Uniepark	(1)													250										250	4.72		0	0	0	0	0	0	0	0	0	0	0	1 180	0	0	0	0	0	0	0	0	1 180
		S36	Single Residential Development	40	Karendal	(1)			40																				40	4.72		0	189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	189
																													0	4.72		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																													0	4.72		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Low Income	S29	Single Residential Development	74	Stone	(1)								200															200	2.65		0	0	0	0	0	0	531	0	0	0	0	0	0	0	0	0	0	0	0	0	531
																													0	2.65		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																													0	2.65		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																													0	2.65		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Commercial	N/A	Upgrade of TFD Trust (Erf 2290), Cluver Street	1	Jan Marais 1	(3)	1																						0	120	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		N/A	Urban Stone Development (Erf 15819, 21 VERREWEI	1	Jan Marais 1	(3)	1																						0	488	488	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		S37	Business/commercial	1	Jan Marais 1	(3)	1																						0	2 496	2 496	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	US																														0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Simonsberg	667	Jan Marais 1																											67	67	67	67	67	67	67	67	67	67	0	0	0	0	0	0	0	0	0	0	
																																0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Total for Jan Marais substation					0	70	30	30	30	28	749	0	0	0	0	310	0	0	0	76	0	0	0	0	0	1323		3 104	67	414	226	226	226	215	3 189	67	67	67	0	1 463	0	0	0	359	0	0	0	0	5 917
			Markotter Substation																																																	
	High Income	S61	Densification of Residential Block	210	Dalsig oos	(1)													30	30	30	30	30	30	30				210	5.30		0	0	0	0	0	0	0	0	0	0	0	159	159	159	159	159	159	159	0	0	1 113
																													0	5.30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																													0	5.30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																													0	5.30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																													0	5.30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																													0	4.72		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Medium Income	S62	Densification of Residential Block	50	Dalsig oos	(1)													50										50	4.72		0	0	0	0	0	0	0	0	0	0	0	236	0	0	0	0	0	0	0	0	236
		S38	Group Housing	110	Hofman	(1)								110															110	4.72		0	0	0	0	0	0	519	0	0	0	0	0	0	0	0	0	0	0	0	0	519
		S39	Group Housing	286	Blakes estate	(1)																		286					286	4.72		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 350	0	0	0	1 350
																													0	4.72		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																													0	4.72		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	US																												0	2.65		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																													0	2.65		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																													0	2.65		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Welgevallen	667	Coetzenburg																											67	67	67	67	67	67	67	67	67	67	0	0	0	0	0	0	0	0	0	0	
	Commercial																												0	2.65		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																													0	2.65		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																													0	215	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Upgrade to Rhenish Girls High	1	Dalsig oos	(3)	1																							52.00	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																																				0
			Total for Markotter Substation					0	0	0	0	0	0	110	0	0	0	0	50	0	0	0	0	286	0	0	0	0	446	308.592	52	67	67	67	67	67	67	586	67	67	67	0	395	159	159	159	159	1 509	159	0	0	3 218
			University Substation																																																	
	Medium Income	S84	Densification of Residential Block	90	Denneoord	(1)			90																				90	0.00		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		S83	Densification of Residential Block	604	Jan Marais 1	(1)			300	304																			604	0.00		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		S22	Group Housing	421	Engineering Fac	(1)								300	121														421	4.72		0	0	0	0	0	0	1 416	571	0	0	0	0	0	0	0	0	0	0	0	0	1 987
		S23	Group Housing	246	Engineering Fac	(1)								246															246	4.72		0	0	0	0	0	0	1 161	0	0	0	0	0	0	0	0	0	0	0	0	0	1 161
		S24	Group Housing	37	Engineering Fac	(1)			37																				37	4.72		0	175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	175
		S25	Flats	991	Jan Marais 1	(1)												300	300	391									991	4.72		0	0	0	0	0	0	0	0	0	0	1 416	1 416	1 846	0	0	0	0	0	0	0	4 678
																													0	4.72		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																													0	4.72		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Low Income																												0	2.65		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
																													0	2.65		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	University		Biologie (JC Smuts)	333	Langenfoven (Neelsie)																											33	33	33	33	33	33	33	33	33	33	0	0	0	0	0	0	0	0	0	0	333
			BJ Voster (Lettere)	0	Langenfoven (Neelsie)																											0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			DF Malan (Schuman)	333	Langenfoven (Neelsie)																											33	33	33	33	33	33	33	33	33	33	0	0	0	0	0	0	0	0	0	0	333
			Erica	0	Langenfoven (Neelsie)																											0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Helderberg	0	Langenfoven (Neelsie)																											0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Ingenieurs	333	Engineering Fac																											33	33	33	33	33	33	33	33	33	33	0	0	0	0	0	0	0	0	0	0	333
			Instandhouding	667	Engineering Fac																											67	67	67	67	67	67	67	67	67	67	0	0	0	0	0	0	0	0	0	0	667
			Konservatorium	667	Langenfoven (Neelsie)																											67	67	67	67	67	67	67	67	67	67	0	0	0	0	0	0	0	0	0	0	
			Monica	333	Langenfoven (Neelsie)																											33	33	33	33	33	33	33	33	33	33	0	0	0	0	0	0	0	0	0	0	
			Neelsie (LSS)	667	Langenfoven (Neelsie)																											67	67	67	67	67	67	67	67	67	67	0	0	0	0	0	0	0	0	0	0	
			Simonsberg	0																												0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			Welgevallen	0																												0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			Coetzenburg	1 333	Coetzenburg																											133	133	133	133	133	133	133	133	133	133	0	0	0	0	0	0	0	0	0	0	
																																0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Industrial																															0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																														-6 000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																													0	1 000		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																																0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Total for University Substation					0	427	304	0	0	0	546	121	0	0	300	300	391	0	0	0	0	0	0	0	0	2389		0	467	641	467	467	467	467	3 044	1 038	467	467	1 416	1 416	1 846	0	0	0	0	0	0	0	9 667
			Industrial Substation (Main S/S)																																																	
	High Income																												0	5.30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																													0	5.30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		S54	Densification of Residential Block	350	Boord 1	(1)								30	30	30	30	30	30	30	30	30	30	30	20				350	5.30		0	0	0	0	0	0	159	159	159	159	159	159	159	159	159	159	159	106	0	0	1 855
																													0	5.30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																													0	5.30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																													0	5.30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																													0	4.72		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Medium Income	S40	Single Residential	97	Tortelduif	(1)								97															97	4.72		0	0	0	0	0	0	458	0	0	0	0	0	0	0	0	0	0	0	0	0	458
		S41	Single Residential	19	Tortelduif	(1)								19															19	4.72		0	0	0	0	0	0	90	0	0	0	0	0	0	0	0	0	0	0	0	0	90
		S42	Single Residential	27	Tortelduif	(1)								27															27	4.72		0	0	0	0	0	0	127	0	0	0	0	0	0	0	0	0	0	0	0	0	127
		S43	Single Residential	133	Tortelduif	(1)								133															133	4.72		0	0	0	0	0	0	628	0	0	0	0	0	0	0	0	0	0	0	0	0	628
		S44	Group Housing	43	Distell	(1)								43															43	4.72		0	0	0	0	0	0	203	0	0	0	0	0	0	0	0	0	0	0	0	0	203
		S45	Single Residential	62	Industrial Sub	(1)													62										62	4.72		0	0	0	0	0	0	0	0	0	0	0	293	0	0	0	0	0	0	0	0	293
		S46	Single Residential	18	Industrial Sub	(1)																		18					18	4.72		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	85	0	0	0	85

LIST OF FUTURE DEVELOPMENTS AND ASSOCIATED LOADS - STELLENBOSCH TOWN

PLANNED HOUSING NUMBERS

Category	Code	Description	Size	Location	Notes	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29	'30	'31	'32	'33	'34	>'35	Total Units	ADMD (kVA)
Me	S47	Single Residential	41	Industrial Sub	(1)																		41						4.72
Me	S48	Single Residential	60	Industrial Sub	(1)																		60						4.72
Me	S51	Single Residential Development	365	Polkadraai	(1)												365												4.72
Me	S52	Single Residential Development	178	Polkadraai	(1)												178												4.72
Me	S50	Single Residential Development	781	Polkadraai	(1)													300	300	181									4.72
Low Income																												0	2.65
Low Income																													
Low Income																												0	2.65
Low Income																													
Commercial	S59	Business/commercial	2.8ha	Tegnopark 1	(2)								2.8																220
Commercial	S60	Business/commercial	1.4Ha	Tegnopark 1	(2)								1.4																220
Commercial	S49	Business/Industrial	11.1Ha	Polkadraai	(2)								11.1																220
Commercial																													
Industrial																													
Industrial																												0	
Industrial																													
		Total for Industrial Substation (Main S/S)					0	0	0	0	0	0	334.3	0	0	0	543	362	300	181	0	0	119	0	0	0	0	399	
		Golf Club Substation																											
High Income	S72	Single Residential Complex (Paradyskloof)	17	Paradyskloof 1	(1)							17																17	5.30
High Income	S71	Single Residential Complex (Paradyskloof)	15	Paradyskloof 1	(1)							15																15	5.30
High Income	S70	Single Residential Complex (Paradyskloof)	29	Paradyskloof 1	(1)								29															29	5.30
High Income	S69	Single Residential Complex (Paradyskloof)	31	Paradyskloof 1	(1)			31																				31	5.30
High Income	S67	Single Residential Development	1 055	Paradyskloof 1	(1)																		30	30	30	30	935	1 055	5.30
High Income	S66	Single Residential Development	291	Paradyskloof 1	(1)							30	30	30	30	30	30	30	30	30	21							291	5.30
High Income	S65	Single Residential Development	121	Paradyskloof 1	(1)			30	30	30	31																	121	5.30
High Income	S55	Single Residential Development	613	Boord 1	(1)																		30	30	30	30	493	613	5.30
High Income	S56	Single Residential Development	100	Boord 1	(1)												30	30	30	10								100	5.30
High Income	S57	Single Residential Development	715	Tegnopark 1	(1)																		30	30	30	30	595	715	5.30
High Income	S58	Single Residential Development	632	Tegnopark 1	(1)																		30	30	30	30	512	632	5.30
High Income	S68	Group Housing	280	Paradyskloof 1	(1)			280																				280	5.30
High Income																												0	
Medium Income																												0	
Low Income																												0	
Commercial	S64	Other (Usage undefined currently)	2.5 Ha	Paradyskloof 1	(2)			2.5																					220.00
Commercial	S63	Business/commercial	3.1 Ha	Paradyskloof 1	(2)			3.1																					220.00
Commercial	N/A	Upgrade of DAE Solutions (Erf 13501)	1	Paradyskloof 1	(3)	1																							104.00
Commercial	S73	Business/commercial	7.5Ha	Paradyskloof 1				7.5																					220.00
Commercial																													
		Total for Golf Club Substation					0	684.1	264	60	63	62	359	330	100	30	560	560	696	40	21	0	420	420	420	290	2535		
		Combined Totals:				**Units ----**	517	1 386	637	90	93	390	3 218	1 081	663	360	1 733	2 350	1 924	521	321	676	2 572	1 376	1 532	590	2 961		**kVA ---->**

LOAD ESTIMATE

Category	Code	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total kVA
		Base	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	
Me	S47		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	194	0	0	0	194
Me	S48		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	283	0	0	0	283
Me	S51		0	0	0	0	0	0	0	0	0	0	1 723	0	0	0	0	0	0	0	0	0	1 723
Me	S52		0	0	0	0	0	0	0	0	0	0	840	0	0	0	0	0	0	0	0	0	840
Me	S50		0	0	0	0	0	0	0	0	0	0	0	1 416	1 416	854	0	0	0	0	0	0	3 686
Low Income			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Income			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Low Income			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Income			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial	S59		0	0	0	0	0	0	616	0	0	0	0	0	0	0	0	0	0	0	0	0	616
Commercial	S60		0	0	0	0	0	0	308	0	0	0	0	0	0	0	0	0	0	0	0	0	308
Commercial	S49		0	0	0	0	0	0	2 442	0	0	0	0	0	0	0	0	0	0	0	0	0	2 442
Commercial			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Industrial		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Industrial			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Industrial			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total for Industrial Substation (Main S/S)	0	0	0	0	0	0	0	5 031	159	159	159	2 722	1 868	1 575	1 013	159	159	721	106	0	0	13 830
	Golf Club Substation																						
High Income	S72		0	0	0	0	0	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	90
High Income	S71		0	0	0	0	0	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80
High Income	S70		0	0	0	0	0	0	154	0	0	0	0	0	0	0	0	0	0	0	0	0	154
High Income	S69		0	164	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	164
High Income	S67		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	159	159	159	159	636
High Income	S66		0	0	0	0	0	159	159	159	159	159	159	159	159	159	111	0	0	0	0	0	1 542
High Income	S65		0	159	159	159	164	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	641
High Income	S55		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	159	159	159	159	636
High Income	S56		0	0	0	0	0	0	0	0	0	0	159	159	159	53	0	0	0	0	0	0	530
High Income	S57		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	159	159	159	159	636
High Income	S58		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	159	159	159	159	636
High Income	S68		0	1 484	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 484
High Income			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Medium Income			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Income			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial	S64		0	550	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	550
Commercial	S63		0	682	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	682
Commercial	N/A	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial	S73		0	1 650	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 650
Commercial			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total for Golf Club Substation	104	0	4 689	159	159	164	329	313	159	159	159	318	318	318	212	111	0	636	636	636	636	10 111
	Combined Totals: kVA ---->	4 081	2 215	5 393	944	771	776	1 653	14 037	2 897	2 250	1 669	4 641	6 741	4 614	1 911	1 109	2 066	8 316	3 833	3 309	1 283	67 419

20 year plan	22 030	units	or	1102	units per year on average
10 year plan	8 435	units	or	844	units per year on average

Total Load:

5 year	9 212 kVA		
10 year	29 436 kVA	12 436	-----> less factory closures, cross-check to Pivot Tables
20 year	67 266 kVA	50 266	-----> less factory closures, cross-check to Pivot Tables

2 712
4 456

Adjusted to align with NRS 034-1

ADMD Values	kVA
High Income	5.30
Medium Income	4.72
Low Income	2.65
Mix Housing	4.02

Pre-Electrification Tool Modifier:

7 yrs	15 yrs	Diff.
1.84	2.65	0.82
2.80	4.02	1.22

Notes

(1) Estimate based on house connects done per year in Drakenstein, 20 to 30 houses connections for high income houses, 400 to 500 house connections for medium income.

(3) - Information on latest applications received from Nombulelo Zwane on 13th October via e-mail.
(4) - Information from the 2014 capital budget. Demand for new sports centre and library 75kVA, based on COCT guidelines.

Distell site = 18ha, 4.6MVA 0.26 MVA/ha
Tegnopark= 32ha, 5MVA 0.16 MVA/ha
Use 220kVA per ha for business/commercial
Diversity number for stellenbosch 0.84 pu
Diversity number for Cloetesville 0.94 pu

Revision Notes
Rev 0

LIST OF FUTURE DEVELOPMENTS AND ASSOCIATED LOADS - FRANSHHOEK AREA

Royal HaskoningDHV
Enhancing Society Together

Known Developments

	Map Ref	Supply Substation	Units (Qty)	Closest Substation	Notes	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29	'30	'31	'32	'33	'34	>'35	Total Units	ADMD (kVA)	Base 2014	1 2015	2 2016	3 2017	4 2018	5 2019	6 2020	7 2021	8 2022	9 2023	10 2024	11 2025	12 2026	13 2027	14 2028	15 2029	16 2030	17 2031	18 2032	19 2033	20 2034	Total kVA
		Dwars River, Pniel, etc.																																															
	DR5	Single Residential	12	Kylemore SS	(1)								12															12	5.30		0	0	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	64
	DR10	Single Residential	19	Kylemore SS	(1)								19															19	5.30		0	0	0	0	0	0	101	0	0	0	0	0	0	0	0	0	0	0	0	101
	DR11	Single Residential	7	Kylemore SS	(1)								7															7	5.30		0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0	0	37
	DR12	Single Residential	68	Kylemore SS	(1)													30	38									68	5.30		0	0	0	0	0	0	0	0	0	0	0	159	201	0	0	0	0	0	0	360
	DR13	Single Residential	29	Kylemore SS	(1)													29										29	5.30		0	0	0	0	0	0	0	0	0	0	0	154	0	0	0	0	0	0	154
	DR14	Single Residential	54	Kylemore SS	(1)													30	24									54	5.30		0	0	0	0	0	0	0	0	0	0	0	159	127	0	0	0	0	0	0	286
	DR15	Single Residential	45	Kylemore SS	(1)													30	15									45	5.30		0	0	0	0	0	0	0	0	0	0	0	159	80	0	0	0	0	0	0	239
	DR16	Single Residential	106	Kylemore SS	(1)													30	30	30	16							106	5.30		0	0	0	0	0	0	0	0	0	0	0	159	159	159	85	0	0	0	0	562
	DR17	Single Residential	90	Kylemore SS	(1)													30	30	30								90	5.30		0	0	0	0	0	0	0	0	0	0	0	159	159	159	0	0	0	0	0	477
	DR27	Single Residential	203	Kylemore SS	(1)																		30	30	30	30	83	203	5.30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	159	159	159	159	636
	DR28	Single Residential	112	Kylemore SS	(1)																		30	30	30	22		112	5.30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	159	159	159	117	594
	DR29	Single Residential	118	Kylemore SS	(1)																		30	30	30	28		118	5.30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	159	159	159	148	625
	DR2	Single Residential	54	Kylemore SS	(1)			54																				54	4.72		0	255	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	255
	DR3	Single Residential	565	Kylemore SS	(1)								300	265														565	4.72		0	0	0	0	0	0	1 416	1 251	0	0	0	0	0	0	0	0	0	0	0	2 667
	DR6	Single Residential	365	Kylemore SS	(1)			365																				365	4.72		0	1 723	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 723
	DR7	Single Residential	349	Kylemore SS	(1)								349															349	4.72		0	0	0	0	0	0	1 647	0	0	0	0	0	0	0	0	0	0	0	0	1 647
	DR8	Single Residential	152	Kylemore SS	(1)													152										152	4.72		0	0	0	0	0	0	0	0	0	0	0	717	0	0	0	0	0	0	0	717
	DR22	Retirement Home	158	Kylemore SS	(1)														158									158	4.72		0	0	0	0	0	0	0	0	0	0	0	0	746	0	0	0	0	0	0	746
	DR23	Retirement Home	273	Kylemore SS	(1)														273									273	4.72		0	0	0	0	0	0	0	0	0	0	0	0	1 289	0	0	0	0	0	0	1 289
	DR24	Retirement Home	70	Kylemore SS	(1)														70									70	4.72		0	0	0	0	0	0	0	0	0	0	0	0	330	0	0	0	0	0	0	330
	DR1	Single Residential	74	Kylemore SS	(1)			74																				74	4.72		0	349	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	349
																													4.72		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																													4.72		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																															0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DR4	Affordable Housing	830	Kylemore SS	(1)								300	300	230													830	2.65		0	0	0	0	0	0	796	796	611	0	0	0	0	0	0	0	0	0	0	2 203
	DR9	Affordable Housing	675	Kylemore SS	(1)			375	300																						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																												0	2.65		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																															0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DR18	Business/Commercial	10.5Ha	Kylemore SS	(2)													1										1	720		0	0	0	0	0	0	0	0	0	0	0	720	0	0	0	0	0	0	720
	DR19	Business/Commercial	1 126	Kylemore SS	(2)													300	300	300	226						1 126	5		0	0	0	0	0	0	0	0	0	0	0	1 500	1 500	1 500	1 130	0	0	0	0
	DR21	Business/Commercial	848	Kylemore SS	(2)																		848				848	5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4 240	0	0	0	4 240
	DR20	Mixed Use	377	Kylemore SS	(2)																		377				377	5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 998	0	0	0	1 998
																												0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DR25	Industrial Use	107	Kylemore SS									107															107	9		0	0	0	0	0	0	963	0	0	0	0	0	0	0	0	0	0	0	0	963
	DR26	Other (Usage undefined currently)	120	Kylemore SS									120															120	4		0	0	0	0	0	0	480	0	0	0	0	0	0	0	0	0	0	0	0	480
																																																0
		Total for Dwars River, Pniel, etc.					0	868	300	0	0	0	1214	565	230	0	0	632	938	360	242	0	1315	90	90	80	83	6258		0	0	2 327	0	0	0	0	5 504	2 047	611	0	0	3 886	4 591	1 818	1 215	0	6 715	477	477	424	24 461
		Franschhoek (Main S/S)																																														
	FH19	Single Residential	24	Hugenote	(1)								24															24	5.30		0	0	0	0	0	0	127	0	0	0	0	0	0	0	0	0	0	0	0	127
	FH20	Single Residential	29	Hugenote	(1)								29															29	5.30		0	0	0	0	0	0	154	0	0	0	0	0	0	0	0	0	0	0	0	154
	FH21	Single Residential	11	Hugenote	(1)			11																				11	5.30		0	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58
	FH22	Single Residential	172	Hugenote	(1)								30	30	30	30	30	22										172	5.30		0	0	0	0	0	0	159	159	159	159	159	117	0	0	0	0	0	0	912
	FH2	Single Residential	29	Groendal	(1)			29																				29	4.72		0	137	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	137
	FH4	Single Residential	259	Groendal	(1)								259															259	4.72		0	0	0	0	0	0	1 222	0	0	0	0	0	0	0	0	0	0	0	0	1 222
	FH5	Single Residential	270	Groendal	(1)									270														270	4.72		0	0	0	0	0	0	0	1 274	0	0	0	0	0	0	0	0	0	0	0	1 274
	FH7	Single Residential	55	Hugenote	(1)	55																						0	4.72	260	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	260
	FH13	Single Residential	92	Hugenote	(1)								92															92	4.72		0	0	0	0	0	0	434	0	0	0	0	0	0	0	0	0	0	0	0	434
	FH14	Single Residential	32	Hugenote	(1)	32																						0	4.72	151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	151
	FH16	Single Residential	286	Groendal	(1)														286									286	4.72		0	0	0	0	0	0	0	0	0	0	0	0	1 350	0	0	0	0	0	0	1 350
	FH17	Single Residential	110	Groendal	(1)												110											110	4.72		0	0	0	0	0	0	0	0	0	0	519	0	0	0	0	0	0	0	519
	FH18	Single Residential	113	Groendal	(1)												113											113	4.72		0	0	0	0	0	0	0	0	0	0	533	0	0	0	0	0	0	0	533
	FH23	Single Residential	8	Hugenote	(1)	8																						0	4.72	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38
	LM1	Single Residential	342	Groendal	(1)																							0	4.72		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	WH2	Single Residential	82	Wemmershoek	(1)			82																				82	4.72		0	387	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	387
	WH3	Single Residential	44	Wemmershoek	(1)								44															44	4.72		0	0	0	0	0	0	208	0	0	0	0	0	0	0	0	0	0	0	0	208
	FH9	Affordable Housing	2 704	Groendal	(1)																		300	300	300	300	1504	2 704	2.65		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	796	796	796	796	3 185
	Langrug	Informal Area	1 300	Groendal	(1)			300	300	300	300	100																1 300	2.65		0	795	795	795	795	265	0	0	0	0	0	0	0	0	0	0	0	0	0	3 445
	FH10.1	Single Residential	96	Groendal	(1)	96																						0	2.65	255	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	255
	FH10.2	Single Residential	78	Groendal	(1)	78																						0	2.65	207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	207
	FH10.3	Single Residential	129	Groendal	(1)	129																						0	2.65	342	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	342
																																																0
																																																0
																																																0
																																																0
																																																0
	N/A	New Sports Club Centre	1	Groendal	(4)			1																				1	75		0	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75
	N/A	New Library in La Motte	1	Groendal	(4)			1																				1	75		0	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75
	N/A	New Library in Langrug	1	Groendal				1																				1	75		0	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75
		Franschhoek (Main S/S)					0	425	300	300	300	100	478	300	30	30	253	22	286	0	0	0	300	300	300	300	1504			1 252	0	1 602	795	795	795	265	2 304	1 433	159	159	1 212	117	1 350	0	0	0	796	796	796	796	15 423

		Combined Totals:		**Units ----**	0	1 293	600	300	300	100	1 692	865	260	30	253	654	1 224	360	242	0	1 615	390	390	380	1 587	**kVA ---->**	1 252	0	3 929	795	795	795	265	7 808	3 481	770	159	1 212	4 003	5 941	1 818	1 215	0	7 511	1 273	1 273	1 220	39 885
				20 year plan	10 948 units		or	547	units per year on average																																								
				10 year plan	5 440 units		or	544	units per year on average																																								

Total Load: 5 year 6 314 kVA
10 year 18 797 kVA
20 year 44 263 kVA

Adjusted to align with NRS 034-1

ADMD Values	kVA
High Income	5.30
Medium Income	4.72
Low Income	2.65
Mix Housing	4.02

Pre-Electrification Tool Modifier:

7 yrs	15 yrs	Diff.
1.84	2.65	0.82
2.80	4.02	1.22

Notes
(1) Estimate based on house connects done per year in Drakenstein, 20 to 30 houses connections for high income houses, 400 to 500 house connections for medium income.
(2) - ADMD estimated at 80VA per m sq, working on 80% leesable space
(3) - Information on latest applications received from Nombulelo Zwane on 13th October via e-mail.
(4) - Information from the 2014 capital budget. Demand for new sports centre and library 75kVA, based on COCT guidelines.

Revision Notes
Rev 0

LIST OF FUTURE DEVELOPMENTS AND ASSOCIATED LOADS - KLAPMUTS

Royal HaskoningDHV
Enhancing Society Together

PLANNED HOUSING NUMBERS (Known Developments)

Category	Map Ref	Supply Substation	Units (Qty)	Closest Substation	Notes	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29	'30	'31	'32	'33	'34	>'35	Total Units	ADMD (kVA)
		Klapmuts (Main S/S)																											
High Income	K6	Single Residential	305	Klapmuts Main SS	(1)								30	30	30	30	30	30	30	30	30	35						305	5.30
High Income	k14	Single Residential	223	Klapmuts Main SS	(1)																		30	30	30	30	103	223	5.30
High Income	K15	Single Residential	468	Klapmuts Main SS	(1)												30	30	30	30	30	30	30	30	30	30	168	468	5.30
Medium Income	K1	Single Residential	1 685	Klapmuts Main SS	(1)				300	300	300	300	300	185														1 685	4.72
Medium Income	K2	Single Residential	145	Klapmuts Main SS	(1)								145															145	4.72
Medium Income	K4	Single Residential	1 480	Klapmuts Main SS	(1)												300	300	300	300	180							1 380	4.72
Medium Income	K5	Single Residential	339	Klapmuts Main SS	(1)				339																			339	4.72
Medium Income	K16	Single Residential	80	Klapmuts Main SS	(1)																		80					80	4.72
Medium Income	K17	Single Residential	615	Klapmuts Main SS	(1)																		300	315				615	4.72
Medium Income																												0	
Medium Income																												0	
Medium Income																												0	
Medium Income																												0	
Medium Income																												0	
Medium Income																												0	
Medium Income																												0	
Medium Income																												0	
Low Income	K3	Affordable Housing	1 100	Klapmuts Main SS	(1)	800	300																					300	2.65
Commercial	K7	Business/Commercial	11Ha	Klapmuts Main SS	(1)												1											1	1 720
Commercial	K10	Business/Commercial	9.1Ha	Klapmuts Main SS	(1)																		1					1	2 424
Commercial	K13	Business/Commercial	8.1Ha	Klapmuts Main SS	(1)								1															1	2 744
Commercial	K11	Mixed	821	Klapmuts Main SS	(1)												821											821	9
Commercial	K12	Mixed	309	Klapmuts Main SS	(1)																		309					309	4
Industrial	K8	Industrial	14.3Ha	Klapmuts Main SS	(1)												1												2 230
Industrial	K9	Industrial	5.1Ha	Klapmuts Main SS	(1)																		1					1	1 380
		Klapmuts (Main S/S)					300	0	639	300	300	300	476	215	30	30	1183	360	360	360	240	65	751	375	60	60	271	6674	
		Combined Totals:			**Units ----**		300	0	639	300	300	300	476	215	30	30	1 183	360	360	360	240	65	751	375	60	60	271		**kVA ---->**

LOAD ESTIMATE

Map Ref	2014 (Base)	2015 (1)	2016 (2)	2017 (3)	2018 (4)	2019 (5)	2020 (6)	2021 (7)	2022 (8)	2023 (9)	2024 (10)	2025 (11)	2026 (12)	2027 (13)	2028 (14)	2029 (15)	2030 (16)	2031 (17)	2032 (18)	2033 (19)	2034 (20)	Total kVA
K6		0	0	0	0	0	0	159	159	159	159	159	159	159	159	159	186	0	0	0	0	1 617
k14		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	159	159	159	159	636
K15		0	0	0	0	0	0	0	0	0	0	159	159	159	159	159	159	159	159	159	159	1 590
K1		0	0	1 416	1 416	1 416	1 416	1 416	873	0	0	0	0	0	0	0	0	0	0	0	0	7 953
K2		0	0	0	0	0	0	684	0	0	0	0	0	0	0	0	0	0	0	0	0	684
K4		0	0	0	0	0	0	0	0	0	0	1 416	1 416	1 416	1 416	850	0	0	0	0	0	6 514
K5		0	0	1 600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 600
K16		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	378	0	0	0	378
K17		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 416	1 487	0	0	2 903
K3		796	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	796
K7		0	0	0	0	0	0	0	0	0	0	1 720	0	0	0	0	0	0	0	0	0	1 720
K10		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2 424	0	0	0	2 424
K13		0	0	0	0	0	0	2 744	0	0	0	0	0	0	0	0	0	0	0	0	0	2 744
K11		0	0	0	0	0	0	0	0	0	0	7 389	0	0	0	0	0	0	0	0	0	7 389
K12		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 242	0	0	0	1 242
K8		0	0	0	0	0	0	0	0	0	0	2 230	0	0	0	0	0	0	0	0	0	2 230
K9		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 380	0	0	0	1 380
Klapmuts (Main S/S)	0	796	0	3 016	1 416	1 416	1 416	5 003	1 032	159	159	13 073	1 734	1 734	1 734	1 168	345	7 158	1 805	318	318	43 800
Combined Totals: kVA ---->	0	796	0	3 016	1 416	1 416	1 416	5 003	1 032	159	159	13 073	1 734	1 734	1 734	1 168	345	7 158	1 805	318	318	43 800

20 year plan 6 404 units or 320 units per year on average
10 year plan 2 590 units or 259 units per year on average

Adjusted to align with NRS 034-1

ADMD Values	kVA
High Income	5.30
Medium Income	4.72
Low Income	2.65
Mix Housing	4.02

Pre-Electrification Tool Modifier:

7 yrs	15 yrs	Diff.
1.84	2.65	0.82
2.80	4.02	1.22

Notes
(1) Estimate based on house connects done per year in Drakenstein, 20 to 30 houses connections for high income houses, 400 to 500 house connections for medium income.
(2) - ADMD estimated at 80VA per m sq, working on 80% leesable space
(3) - Information on latest applications received from Nombulelo Zwane on 13th October via e-mail.
(4) - Information from the 2014 capital budget. Demand for new sports centre and library 75kVA, based on COCT guidelines.

Revision Notes
Rev 0

APPENDIX C : CONDITION ASSESMENT SHEETS

STELLENBOSCH CONDITION ASSESMENT - SUBSTATION SUMMARY TABLE

Substation Name	OUTDOOR HV YARD					INDOOR HV CONTROL ROOM				INDOOR MV SWITCHROOM										
								Relays							Switchgear					Relays		
	Trench cover - Acceptable or Not Acceptable, Missing	Yard - Erosion, Vegetation, Good	Transformer - Discolouring, Rust, Bird Nest, Oil leakage , Good	Transformer- Year of Manufacture	Corrosion: outdoor steelwork - Not Visible, Minor surface, Severe	Trench cover - Acceptable or Not Acceptable, Missing	House keeping- Good or Bad	Type	Manufacturer	Trench cover - Acceptable or Not Acceptable, Missing	House keeping- Good or Bad	Vermin and Water Protection - Acceptable or Not Acceptable	Fire Extinguisher - Available or Not Available, Condition (Good or Bad)	Battery Tripping Unit - Condition (Good or Bad), Electrolyte levels (Below Minimum)	Type	Manufacturer	Year	Interrupting Medium - Oil, SF6, Vacuum	Switchgear - Acceptable or Not Acceptable, Obsolete	Type	Manufacturer	Arc Protection - Available or Not Available
1. Jan Marais	–	G	G	1979 (T1 &T2)	No	Acc	B	NA20MM000	Thytronic	Acc	B	Acc	Av, B	G	LMT/X31/QM	Reyrolle	Not Av	O	Acc	NA10MM000	Thytronic	Not Av
2. Uniepark	–	–	–	–	–	Mi	B	–	–	Mi	B	Acc	Av, G	G	Safeplus V	ABB	2011	SF6	Acc			Not Av
3. Karindal	–	–	–	–	–	Mi	B	–	–	Mi	B	Not Acc	Av, G	G	Safeplus V	ABB	2013	SF6	Acc			Not Av
4. Bosman	–	–	–	–	–	Mi	B	–	–	Mi	G	Acc	Av, G	G	LMS/X2/QM; JS/X1/JO	Reyrolle	1976;1955	O	Not Acc			Not Av
5. Suidwal	–	–	–	–	–	–	–	–	–	Acc	G	Acc	Av, G	G	BD4	ABB	2011	SF6	Acc			Not Av
6. Markotter	–	G	G	1971(T1) 1973 (T3)	No	Mi	B	SEL387L&SEL351A	Schweitzer Eng. Labs	–	–	–	–	–	–	–	–	–	–	–	–	–
7. Helshoogte	–	–	–	–	–	–	–	–	–	Acc	B	Acc	Av, G	G	Safeplus V	ABB	2013	SF6	Acc	REJ603	ABB	Not Av
8. Mairais Park	–	–	–	–	–	–	–	–	–	Mi	G	Acc	Av, G	G	Safeplus V	ABB	2011	SF6	Acc			
9. Sonneblom	–	–	–	–	–	–	–	–	–	Mi, Not Acc	B	Acc	Av, G	G	Safeplus V	ABB	2014	SF6	Acc			Not Av
10. Stone	–	–	–	–	–	–	–	–	–	Not Acc	B	Not Acc	Av, G	G	LMS/X2/QM	Reyrolle Parsons	Not Av	O	Acc	FP04	Strike Technologies	Not Av
11. Tindal	–	–	–	–	–	–	–	–	–	Mi	G	Acc	Av, B	-	JS/X1/JO; J4	Reyrolle-England; Long & Crawford	-	O	Acc			Av
12. University	–	G	Bi	1978 (T1) 1978 (T2) - (T3)	Min	–	B	4C21; TJM10; TAAII	Reyrolle	Acc	B	Acc	Av, G	G	LMS/X2/QM; VD4LMT	Reyrolle Parsons; ABB	Not Av	O	Acc	FP04; 351A; SPAJ140C;	Strike Technologies; SEL; Reyrolle	Not Av
13. Tennant	–	–	–	–	–	–	–	–	–	Mi	G	Acc	Av, G	G	LMS/X2/QM	Reyrolle Parsons	1955	O	Acc			Not Av
14. Infruitec / Droogbaan	–	–	–	–	–	–	–	–	–	Acc	G	Acc	Av, G	G	T1; T1/OF	GEC Power Distribution	1989	O	Acc			Not Av
15. Cannerie	–	–	–	–	–	–	–	–	–	Mi	G	Acc	Av, G	-	T1/OF	GEC Power Distribution		O	Acc	CDG		Not Av
16. Helderfontein	–	–	–	–	–	–	–	–	–	Not Acc, Mi	G	Not Acc	Av, G	G	LMS/X2/QM,LMR/X1/QM,LMR/X2/QM,LMT2/X31/QM; T3GF3	Reyrolle; Long&Crawford	1976,1987,1987,1976; 1955	O	Acc			Not Av
17. Curry	–	–	–	–	–	–	–	–	–	Mi	B	Not Acc	Av, G	G	LMR/X1/QM	Reyrolle	1987	O	Acc			Not Av
18. Cloetesville	–	G	Oil le	–	No	–	–	587; SPAJ115C	SEL; ABB	Acc	B	Acc	Av, G	G	SBV4/800/25/S1, K14AF	Alstom	2000	Va	Acc	551A	SEL	Not Av
19. Welgevonden	–	–	–	–	–	–	–	–	–	Acc	G	Acc	Av, G	G	LMS/X2/QMRO	Reyrolle	1987	O	Acc			Not Av
20. Rhode	–	–	–	–	–	–	–	–	–	Mi	G	Acc	Av, G	-	JS/X1/JO	Reyrolle	1955	O	Not Acc			Not Av
21. Fir	–	–	–	–	–	–	–	–	–	Mi	G	Acc	Av, G	-	JX/X1/IO	Reyrolle	1955	O	Not Acc			Not Av
22. Langer Suid	–	–	–	–	–	–	–	–	–	Mi	B	Acc	Av, G	G&B	Safeplus V	ABB	2011	SF6	Acc			Not Av
23. Kayamandi	–	–	–	–	–	–	–	–	–	Mi	B	Acc	Not Av	G	VD4LMT	ABB	Not Av	Va	Acc	–	–	Not Av
24. Watergang	–	–	–	–	–	–	–	–	–	Acc	B	Acc	Av, G&B	G	–	TAMCO	Not Av	–	Acc			Not Av
25. Simonswyk	–	–	–	–	–	–	–	–	–	Mi	G	Acc	Av, B	-	ROKSS/CC	Reyrolle		O	Not Acc			Not Av
26. Soeteweide	–	–	–	–	–	–	–	–	–	Mi	B	Acc	Av, G	-	T3GF3 RMU	Long & Crawford		O	Not Acc			Not Av
27. Merriman Z	–	–	–	–	–	–	–	–	–	Mi	B	Acc	Av, G	-	VD4LMT	ABB		SF6	Acc			Not Av
28. Merriman Bird	–	–	–	–	–	–	–	–	–	Acc	G	Acc	Av, G	-	JS/X1/JO	Reyrolle-England	1955	O	Acc			Not Av
29. Denneoord	–	–	–	–	–	–	–	–	–	Mi	B	Not Acc	Av, G&B	-	JS/X1/JO	Reyrolle-England	1956	O	Acc			Not Av
30. Waterkant	–	–	–	–	–	–	–	–	–	Mi	B	Acc	Av, G	-	T4GF3	Long & Crawford	1955	O	Acc			Not Av
31. Gymnasium	–	–	–	–	–	–	–	–	–	Acc	G	Acc	Av, G	-	JS/X1/JO; GF3	Reyrolle-England Long & Crawford	1955; 1967	O	Not Acc			Not Av
32. Welgevallen	–	–	–	–	–	–	–	–	–	Mi	B	Not Acc	Av, B	-	SafeRing C,CCV,V	ABB	2011	SF6	Acc	–	–	Not Av
33. Coetzenberg	–	–	–	–	–	–	–	–	–	Mi	G	Acc	Av, G & B	G	IMS/X2/JOE; VD4/LMT; JS/X1/JO	Reyrolle Parsons; ABB; Reyrolle-England	1955; -; 1955	O; SF6; O	Acc	–	–	Not Av
34. Zambesi	–	–	–	–	–	–	–	–	–	Acc	B	Acc	Av, G	-	T3GF3 RMU	Long & Crawford	1967	O	Not Acc	–	–	Not Av
35. Hofman	–	–	–	–	–	–	–	–	–	Acc	B	Acc	Av, G	B & G	Safeplus V,Sv, SvBr	ABB	2013	SF6	Acc	–	–	Not Av
36. Blakes Estate	–	–	–	–	–	–	–	–	–	Mi	B	Not Acc	Av, G	G	Safeplus V	ABB	2009	SF6	Acc	–	–	Not Av
37. Lower Dorp	–	–	–	–	–	–	–	–	–	Mi	G	Not Acc	Av, G	G	LMS/X2/QM	Reyrolle Parsons	1976	O	Not Acc	–	–	Not Av
38. Distell	–	–	–	–	–	–	–	–	–	Acc	G	Acc	Av, G	G	Safeplus V; Safeplus SIBe	ABB	2009;2010	SF6	Acc	–	–	Not Av
39. Begraafplass / Cemetery	–	–	–	–	–	–	–	–	–	Not Acc	G	Acc	Av, G	G	Safeplus V; Safeplus SI	ABB	2011	SF6	Acc	–	–	Not Av
40. Tortelduif	–	–	–	–	–	–	–	–	–	Mi & Not Acc	B	Not Acc	Av, G	G	Safeplus V	ABB	2011	SF6	Acc	–	–	Not Av
41. Mondi	–	–	–	–	–	–	–	–	–	Not Acc	B	Acc	Av, B	G	OSA	Yorkshire Switchgear	1990	O	Not Acc	–	–	Not Av
42. Devon Valley	–	–	–	–	–	–	–	–	–	Mi & Not Acc	B	Not Acc	Av, G	G	LMS/X2/QM; JS/X1/JO; J8/X1/JO	Reyrolle Parsons	1976; 1955; 1952	O	Not Acc	–	–	Not Av
43. Main	Acc	G	Ru, Oil le	1971	Min	-	G	–	–	Acc	G	Acc	Av, G	G						–	–	Not Av
44. Industry	–	–	–	–	–	–	–	–	–	Acc	G	Acc	Av, G	G						–	–	Not Av
45. Polkadraai	–	–	–	–	–	–	–	–	–	Mi	B	Not Acc	Av, G	G	JS/X1/JO	Reyrolle Parsons	1955	O	Not Acc	–	–	Not Av
46. Medi-Clinic	–	–	–	–	–	–	–	–	–	Acc	G	Acc	Av, G	G	LMS/X2/QM	Reyrolle Parsons	1976	O	Acc	–	–	Not Av
47. Boord	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Substation Name	OUTDOOR HV YARD					INDOOR HV CONTROL ROOM				INDOOR MV SWITCHROOM										
	Trench cover - Acceptable or Not Acceptable, Missing	Yard - Erosion, Vegetation, Good	Transformer - Discolouring, Rust, Bird Nest, Oil leakage , Good	Transformer- Year of Manufacture	Corrosion: outdoor steelwork - Not Visible, Minor surface, Severe	Trench cover - Acceptable or Not Acceptable, Missing	House keeping- Good or Bad	Relays		Trench cover - Acceptable or Not Acceptable, Missing	House keeping- Good or Bad	Vermin and Water Protection - Acceptable or Not Acceptable	Fire Extinguisher - Available or Not Available, Condition (Good or Bad)	Battery Tripping Unit - Condition (Good or Bad), Electrolyte levels (Below Minimum)	Switchgear				Switchgear- Acceptable or Not Acceptable, Obsolete	Relays		
								Type	Manufacturer						Type	Manufacturer	Year	Interrupting Medium - Oil, SF6, Vacuum		Type	Manufacturer	Arc Protection - Available or Not Available
48. Stellenbosch Golf Club	Acc	G	Ru	1987	Min	Acc	G	SEL387L&SEL351A	Schweitzer Eng. Labs	Acc	G	Acc	Av, G	–	SBV4	Alstom	2006	Va	Acc	–	–	Av
49. Paradyskloof	–	–	–	–	–	–	–	–	–	Acc	G	Acc	Av, G	–	LMR/X1/QM; IMS/X2/JOE	Reyrolle; Reyrolle Parsons	1987; 1955;	O	Not Acc	–	–	Not Av
50. Blaauklipen	–	–	–	–	–	–	–	–	–	Acc	G	Acc	Av, G&B	–	X1	Hawker Sidderly	1995	O	Not Acc	–	–	Not Av
51. Techno Park	–	–	–	–	–	–	–	–	–	Mi	G	Acc	Av, G	–	HD4/W/17.12.32; LMR/X1/QM; LMS/X1/QM	ABB; Reyrolle; Reyrolle Parsons	-; 1976; 1987	SF6; O; O	Acc	–	–	Not Av
52. Capital Place	–	–	–	–	–	–	–	–	–	Mi	B	Not Acc	–	–	FBX-C/17-20/C-C-T2	Areva	2003	SF6	Acc	–	–	Not Av
53. Data Voice	–	–	–	–	–	–	–	–	–	Acc	B	Acc	Av, G	–	T3/OF	GEC Power Distribution	1987	O	Not Acc	–	–	Not Av
54. Schumann	–	–	–	–	–	–	–	–	–	Not Acc	G	Acc	Av, G	–	J4; GF3	Long & Crawford	1995	O	Not Acc	–	–	Not Av
55. Neelsie	–	–	–	–	–	–	–	–	–	Acc	G	Acc	Av, G	G	Safeplus V	ABB	2013	SF6	Acc	–	–	Av
56. Monica	–	–	–	–	–	–	–	–	–	Mi	G	Acc	Av, G	–	JS/X1/JO	Reyrolle-England	1955	O	Not Acc	–	–	Not Av
57. Sambou	–	–	–	–	–	–	–	–	–	Mi	G	Acc	Av, G	–	Tyke T/8806	Yorkshire Switchgear	–	O	Acc	–	–	Not Av
58. SA Perm	–	–	–	–	–	–	–	–	–	Mi	G	Acc	Av,B	–	JS/X1/JO	Reyrolle-England	1955	O	Not Acc	–	–	Not Av
59. Stadsaal	–	–	–	–	–	–	–	–	–	Not Acc	G	Acc	Av, G	G	HD4-LMT; LMS/X2/QM	ABB; Reyrolle Parsons	-; 1976	SF6; O	Acc	–	–	Not Av
60. Drama	–	–	–	–	–	–	–	–	–	Mi	B	Acc	Av, G	–	JS/X1/JO; JK/X3/QM	Reyrolle-England	1955	O	Not Acc	–	–	Not Av
61. Braak	–	–	–	–	–	–	–	–	–	Mi	B	Acc	Av, G	G	LMT2/X31/QM; JMS/X2/JOE	Reyrolle Parsons	1976; 1995	O	Acc	–	–	Not Av
62. Meuplein	–	–	–	–	–	–	–	–	–	Mi	B	Acc	Av, G	–	JS/X1/JO	Reyrolle-England	1955	O	Not Acc	–	–	Not Av
63. Kerk	–	–	–	–	–	–	–	–	–	Mi	G	Acc	Av, G	–	IMS/X2/JOE	Reyrolle Parsons	1955	O	Not Acc	–	–	Not Av
64. Koch	–	–	–	–	–	–	–	–	–	Mi	G	Acc	Av, G	–	JS/X1/JO; JK/X3/JO	Reyrolle-England	1955	O	Not Acc	–	–	Not Av
65. Welgelegen	–	–	–	–	–	–	–	–	–	Mi	G	Acc	Av, G	–	JS/X1/JO; JK/X3/QM	Reyrolle-England	1955	O	Not Acc	–	–	Not Av
66. Dalsig Oos	–	–	–	–	–	–	–	–	–	Mi	G	Acc	Av, G	G	Safeplus V	ABB	2009	SF6	Acc	–	–	Not Av
67. Dalsig Wes	–	–	–	–	–	–	–	–	–	Mi	B	Acc	Not Av	–	T3GF3 RMU	Long & Crawford	1955	O	Not Acc	–	–	Av
68. Brandwacht	–	–	–	–	–	–	–	–	–	Acc	G	Acc	Av, Not Legible	–	JK/X3/QM & JSS/X1/JO	Reyrolle-England	1955	O	Not Acc	–	–	Not Av
69. Krige	–	–	–	–	–	–	–	–	–	Mi	B	Acc	Av, G	–	GF3; J4; J3	Long & Crawford	1955; 1967	O	Not Acc	–	–	Not Av
70. Pappegairand	–	–	–	–	–	–	–	–	–	Mi	B	Acc	Av, Not Legible	G	LMT2/X31/QM; LMR/X1/QM; LMSX2/QM; JS/X1/JO; JK/X3/JO; J8/X1/JO	Reyrolle-England	1952; 1955	O	Not Acc	–	–	Not Av
71. Vrugtepakkers	–	–	–	–	–	–	–	–	–	Mi	B	Acc	Av, G	–	T1/OF	GEC Power Distribution	1988	O	Not Acc	–	–	Not Av
72. La Coline	–	–	–	–	–	–	–	–	–	Mi	G	Acc	Av, G	G	Safeplus V	ABB	2011	SF6	Acc	–	–	Not Av
73. Cascade	–	–	–	–	–	–	–	–	–	Mi	G	Acc	Not Av	G	LMS/X2/QM; IMS/X2/JOE	Reyrolle Parsons; Reyrolle	1976 ; 1955	O	Acc	–	–	Not Av
74. Afdelingsraad	–	–	–	–	–	–	–	–	–	Acc	B	Acc	Av,B	–	TG3F3RMU	Long &Crawford	1955	O	Acc	–	–	Not Av
75. Adelingsraad Kliniek	–	–	–	–	–	–	–	–	–	Mi	B	Acc	Av,G	–	JS/X1/JO	Reyrolle-England	1955	O	Acc	–	–	Not Av
76. BJ Voster	–	–	–	–	–	–	–	–	–	Acc	B	Acc	Av, G	–	ROK Fuse Switch & ROS/X1	Reyrolle-England	–	O	Acc	–	–	Not Av
77. Twee Pieke	–	–	–	–	–	–	–	–	–	Mi	G	Acc	Av, G	–	0KSS. GEAR	Reyrolle-England	–	O	Acc	–	–	Not Av
78. Du Toit	–	–	–	–	–	–	–	–	–	Mi	B	Acc	Av, G	–	J8/X1/JO & JS/X1/JO	Reyrolle England	1952	O	Acc	–	–	Not Av
79. Costa	–	–	–	–	–	–	–	–	–	–	B	Not Acc	–	–	SafeRing C, CCVV, V	ABB	2008	SF6	Not Acc	–	–	Av
80. Trumali	–	–	–	–	–	–	–	–	–	–	B	Not Acc	–	–	JK/X3/QM & JS/X1/JO	Reyrolle England	1955	O	Ob	–	–	Av
81. JC Smuts	–	–	–	–	–	–	–	–	–	Acc	B	Acc	Av, G	–	T1 & T1/OF	GEC Power Distribution	1980	O	Acc	–	–	Not Av
82. University Engineering Workshop	–	–	–	–	–	–	–	–	–	Mi	B	Acc	Av, G	Locked	LMT/X2/JO	Reyrolle	–	O	Not Acc	–	–	Not Av
83. Kromriver	–	–	–	–	–	–	–	–	–	Mi	B	Acc	Av, G	G	Safeplus V	ABB	2009	SF6	Acc	–	–	Not Av
84. Bergzight Plaza	–	–	–	–	–	–	–	–	–	Acc	G	Acc	Av, B	–	–	Hawker Sidderly	–	O	Acc	–	–	Not Av
85. Dros	–	–	–	–	–	–	–	–	–	Acc	B	Not Acc	Av, G	–	SafeRing C, CCV, V	ABB	2011	SF6	Acc	–	–	Not Av
86. Bison Board	–	–	–	–	–	–	–	–	–	–	B	Acc	Av, G & B	B, Be	Safeplus V	ABB	2009	SF6	Acc	–	–	Not Av
87. Glen Elly	–	–	–	–	–	–	–	–	–	–	G	Acc	–	–	FRMU MK1A	W. Lucy&Co.Ltd. Oxford	2005	O	Acc	–	–	Av
88. Postkantoor																						
89. Waterwerke	–	–	–	–	–	–	–	–	–	–	B	Acc	Av, G	–	panel locked				Acc	–	–	Not Av
90. Oude Hoek																						
91. Polisie	–	–	–	–	–	–	–	–	–	Mi	G	Acc	Not Av	–	T3/OF	GEC Power Distribution	1979	O	Not Acc	–	–	Not Av
92. De Wets	–	–	–	–	–	–	–	–	–	–	B	Acc	Av, G	–	IMS/X2/JOE	Reyrolle Parsons	Not Av	O	Acc	–	–	Not Av
93. Hagerhof	–	–	–	–	–	–	–	–	–	Mi	B	Not Acc	Av, B	–	Safeplus V	ABB	2011	SF6	Acc	–	–	Not Av
94. De kelder																						
95. Amantoni	–	–	–	–	–	–	–	–	–	Mi	B	Not Acc	Not Av	–	T3/OF	GEC Power Distribution	1988	O	Not Acc	–	–	Not Av
96. East Lynne	–	–	–	–	–	–	–	–	–	Mi	B	Not Acc	Not Av	–	–	–	–	–	–	–	–	–
97. Rowan	–	–	–	–	–	–	–	–	–	Mi	G	Acc	Av,G	–	JS/X1/JO	Reyrolle-England	-	O	Acc	–	–	Not Av

Basis Notes

1. The condition assessment was only a visual assessment from the ground (ie no tests were conducted nor samples taken) under energised conditions.
2. Obsolete MV switchgear is due to the manufacturer no longer manufacturing the product range.

Abbreviations

Acc - Acceptable
Ad - Adequate
Av - Available
Not Acc - Not Acceptable
Not Av - Not Available
"-" - Not Applicable

Substation Name	OUTDOOR HV YARD					INDOOR HV CONTROL ROOM				INDOOR MV SWITCHROOM										
	Trench cover - Acceptable or **Not** Acceptable, **M**issing	**Yard** - **E**rosion, **Veg**etation, **G**ood	**Transformer** - **Dis**colouring, **Rust**, **Bi**rd Nest, **Oil** leakage , **G**ood	**Transformer**- Year of Manufacture	**Corrosion: outdoor steelwork** - **No**t Visible, **Mi**nor surface, **Se**vere	**Trench cover** - Acceptable or **Not** Acceptable, **M**issing	**House keeping**- **G**ood or **Bad**	**Relays**		**Trench cover** - Acceptable or **Not** Acceptable, **M**issing	**House keeping**- **G**ood or **Bad**	**Vermin and Water Protection** - Acceptable or **Not** Acceptable	**Fire Extinguisher** - **A**vailable or **Not A**vailable, Condition (**G**ood or **Bad**)	**Battery Tripping Unit** - Condition (**G**ood or **Bad**), Electrolyte levels (Below Minimum)	**Switchgear**				**Switchgear**- Acceptable or **Not** Acceptable, **Ob**solete	**Relays**		
								Type	**Manufacturer**					**Type**	**Manufacturer**	**Year**	**Interrupting Medium - Oil, SF6, Vacuum**		**Type**	**Manufacturer**	**Arc Protection** - Available or **Not** Available

B - Bad	Ob- Obsolete
Be - Below Minimum	Oil le- Oil leakage
Bi - Bird Nest	Ru- Rust
Dis - Discolouring	Veg- Vegetation
Er - Erosion	Va - Vacuum
G - Good	No - Not Visible
Inad - Inadequate	* - Not commissioned
Mi - Missing	** - Remote switching facility available

STELLENBOSCH MINIATURE SUBSTATION CONDITION ASSESMENT - SUMMARY TABLE

	Address/Location	Mini Ring Network	Make	Serial Number	Type	Rating	Overall Signage and Warning Notices (Y/N)	Phase Colour Coding Tags	Condition of all Doors	Condition and Availability of Locks	Condition of Cooling Fins	Grass and Vermin Proofing in Good Condition (Y/N)	Roof Bolts in Good Condition and No Open Gaps	Operating Handle on Site (Y/N)	SF6 Gas Pressure (Where Applicable) 9Y/N)	Overall Earthing in Contact (Y/N)	LV Breakers Mounted Properly	Safety Barriers in Place and No Live Connections Exposed	Loose Connections on LV Breakers (Y/N)	MV Safety Barrier Fitted (Y/N)	Phase Barrier Boards are Fitted Between Phases	Repaint Inside (Y/N)	Repaint Outside (Y/N)	Grass to be Removed from Inside/Outside Minisub (Y/N)	Backfilling need Attention (Y/N)
166 LILLIE MS	89	-	GEC POWER DIST.	16582	T3-OF	-	MISSING BACK	-	RUSTY NEED PAINT	Y	PAINT	GRASS INSIDE	-	Y	N	Y	Y		N	Y	Y	RUSTED	N	N	N
167 BERZIGT MS	94	-	NOT LEGIBLE	NOT LEGIBLE	NOT LEGIBLE	-	Y	-	-	Y	DIRTY	Y	-	Y	-	Y	Y	N	N	Y	Y	N	N	-	-
168 CLUVER MS	106	-	NO LABEL	NO LABEL	NO LABEL	-	N	-	RUSTY, PAINT PEELING	Y	PAINT CHIPPED	COCKROAHES,POISONOUS SPIDERS	-	Y	-	Y	Y	N	N	Y	-	RUSTED	RUST	N	N
169 ENDLER MS	107	-	HAWKER SIDDLEY	FG 1672/3	NX3F	400 MVA	MISSING ON DOOR	LV	RUSTY	Y	-	SPIDERS	-	N	-	Y	Y	-	N	Y	-	Y	Y	Y	N
170 UNIELAAN MS	108	-	REYROLLE	3F/OKSS/X2/369	OKSS.GEAR	350 MVA	ALL MISSING	-	RUSTY	Y	PAINT CHIPPED	Y	-	Y	-	Y	Y	-	N	Y	-	Y	N	Y	N
172 PROTON MS	110	-	GEC POWER DIST.	NOT LEGIBLE	NOT LEGIBLE	-	DANGER SIGNS	-	WEEDS AROUND	Y	RUSTED	Y	-	Y	-	Y	Y	-	N	-	-	RUSTED	N	Y	Y
173 TERMO MS	111	-	HAWKER SIDDLEY	FG3352/1	NX3F	400 MVA	DANGER SIGNS	-	-	Y	-	SPIDERS	-	Y	-	Y	-	-	-	-	-	SAND	GRASS	Y	Y
174 QUANTUM MS	113	-	HAWKER SIDDLEY	FG3503/1	NX3F	400 MVA	FADED DANGER SIGNS	-	RUBBER COMING OFF	RUSTY	RUSTED	Y	-	Y	-	Y	Y	N	N	Y	-	Y	PAINT	Y	-
175 QUANTUM 3 MS	114	-	W.LUCY	JC 1633/1	FRMA MK 1	-	FADED DANGER SIGNS	-	-	-	REPAINT	GRASS INSIDE	-	Y	-	Y	Y	N	N	Y	-	Y	Y	Y	-
176 QUANTUM 2 MS (LABEL MISSING)	115	-	HAWKER SIDDLEY	FG3672/1	NX3F	400 MVA	ALL MISSING	-	-	Y	PAINT CHIPPED	SAND INSIDE	-	Y	-	Y	Y	-	N	N	-	Y	Y	Y	-
177 TIME SQUARE MS	116	-	HAWKER SIDDLEY	-	NX3F	400 MVA	FADED DANGER SIGNS	-	-	Y	PAINT CHIPPED	SPIDERS	-	Y	-	Y	Y	N	N	Y	-	Y	Y	N	-
178 ELECTRON 3 MS	117	-	HAWKER SIDDLEY	-	NX3F	400 MVA	FADED DANGER SIGNS	-	-	Y	PAINT CHIPPED	SPIDERS AND RUSTY	-	Y	-	Y	Y	N	N	Y	-	Y	Y	N	-
171 TECHNOPARK 2 MS	118	-	GEC POWER DIST.	22220	T3-OF	350 MVA	DANGER SIGNS	-	RUBBER COMING OFF	Y	-	Y	-	Y	-	Y	Y	N	N	Y	-	Y	Y	N	Y
179 POLYTWINE MS (LABEL MISSING)	120	-	NO LABEL	NO LABEL	NO LABEL	-	FADED DANGER SIGNS	-	-	Y	-	SPIDERS	-	Y	-	Y	Y	N	N	N	-	Y	Y	N	-
180 ELECTRO HOUSE RMU	121	-	ABB	2007231730008 B130CCV	CCV SAFE KING	16 KVA	Y	-	RUSTY	Y	RUSTED	SPIDERS AND GRASS	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	-	Y	Y	Y	-
181 ELECTRON 2 MS (LABEL MISSING)	122	-	HAWKER SIDDLEY	FG 3628/13	NX3F	400 MVA	FADED DANGER SIGNS	-	-	Y	-	SPIDERS	-	Y	-	Y	Y	-	-	N	-	Y	Y	N	-
182 REUTECH MS	123	-	NOT LEGIBLE	NOT LEGIBLE	NOT LEGIBLE	-	Y	LV	ONE STUCK	Y	PAINT	SPIDERS AND SAND	-	N	-	Y	Y	N	N	Y	-	Y	Y	N	-
183 TECHNOPARK 1 MS	124	-	NO LABEL	NO LABEL	NO LABEL	-	FADED DANGER SIGNS	-	RUBBER COMING OFF	Y	-	Y	-	Y	-	Y	Y	Y (LV EXPOSED)	N	Y	-	Y	Y	N	-
184 ELECTRON HOUSE MS	125	-	NOT LEGIBLE	NOT LEGIBLE	NOT LEGIBLE	-	Y	-	RUSTY	Y	-	Y	-	Y	-	Y	Y	Y (LV EXPOSED)	N	N	-	Y	Y	Y	-
185 NOK MS	126	-	NO LABEL	NO LABEL	NO LABEL	-	DANGER SIGNS	-	-	Y	-	Y	-	Y	-	Y	Y	N	N	Y	-	N	Y	N	-
186 PROVINSIE MS (LABEL MISSING)	127	-	REYROLLE	3G/OKSS/X2/17	OKSS.GEAR	350 MVA	FADED DANGER SIGNS	-	PAINT	OLD	-	Y	-	Y	-	Y	Y	Y (LV EXPOSED)	N	Y	-	Y	Y	Y	-
187 AP VENTER MS	128	-	REYROLLE	3F/OKSS/379	OKSS.GEAR	350 MVA	Y	-	RUSTY, PAINT PEELING	Y	PAINT CHIPPED	Y	-	Y	-	Y	Y	Y (LV EXPOSED)	N	Y	N	Y	Y	Y	-
188 PROTIA MS	129	-	REYROLLE	3G/OKSS/X2/43	OKSS.GEAR	350 MVA	DANGER SIGNS	-	RUBBER COMING OFF	OLD	PAINT CHIPPED	Y	-	Y	-	Y	N	Y (LV EXPOSED)	N	Y	-	Y	Y	N	-
189 BLOEKOM MS (LABEL MISSING)	130	-	GEC POWER DIST.	77/T3F2608	T3/OF	350 MVA	ALL MISSING	-	RUSTY, RUBBER COMING OFF	OLD	REPAINT	GRASS INSIDE	-	Y	-	Y	Y	Y (LV EXPOSED)	N	Y	-	Y	Y	Y	-
190 IDASVALLEI MS	131	-	NO LABEL	NO LABEL	NO LABEL	-	ALL MISSING	-	REPAINT	OLD	REPAINT	Y	-	-	-	Y	Y	N	N	Y	N	Y	Y	N	-
191 IDASVALLEI RMU	132	-	HAWKER SIDDLEY	FG463/1	NX3F	400 MVA	DANGER SIGNS	-	-	Y	-	GRASS INSIDE	-	Y	-	-	-	N	-	-	-	N	N	Y	-
192 BLOEKOM ADENDORFF MS	133	-	HAWKER SIDDLEY	FG 722/1	NX3F	400 MVA	DANGER SIGNS	MV	RUBBER COMING OFF	Y	REPAINT	Y	-	Y	-	Y	Y	Y (LV EXPOSED)	N	Y	N	Y	Y	N	-
193 STONE MS	134	-	GEC POWER DIST.	25582	T3/OF	350 MVA	WEARING OFF	-	RUBBER COMING OFF	Y	DIRTY	GAP	-	Y	-	Y	Y	N	N	Y	-	N	Y	N	-
194 WOODMAN MS (NOT LEGIBLE	135	-	GEC POWER DIST.	38/T3F/13259	T3/OF	350 MVA	ALL MISSING	LV	RUSTY	OLD	REPAINT	Y	-	Y	-	Y	Y	Y (LV EXPOSED)	N	Y	N	Y	Y	N	-
195 HECTOR MS	136	-	NO SWITCHGEAR	NO SWITCHGEAR	NO SWITCHGEAR	-	ALL MISSING	LV	N	OLD	REPAINT	Y	-	-	-	N (LV)	Y	N	N	Y	-	Y	Y	Y	-
196 LINDIDA MS	137	-	NO LABEL	NO LABEL	NO LABEL	-	ALL MISSING	-	RUSTY	Y	PAINT CHIPPED	Y	-	-	-	Y	Y	N	N	Y	-	N	Y	Y	-
197 GORIDON MS	138	-	REYROLLE	3F/OKSS/X2/239	OKSS.GEAR	350 MVA	ALL MISSING	LV	RUBBER COMING OFF	OLD	REPAINT	ROOTS	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	-	Y	Y	Y	-
198 PENDORING	139	-	GEC POWER DIST.	23328	T3/OF	350 MVA	DANGER SIGNS	LV	Y	OLD	REPAINT	SPIDERS	-	Y	-	Y	Y	N	N	Y	-	Y	Y	N	-
199 ASSEGAAI MS	140	-	GEC POWER DIST.	25240	T3/OF	350 MVA	DANGER SIGNS	LV	REPAINT	OLD	DIRTY	GRASS	-	Y	-	Y	Y	N	N	Y	-	N	Y	Y	-
200 PROTIA 2 MS	142	-	GEC POWER DIST.	82/T3F/10518	T3/OF	350 MVA	ALL MISSING	LV	RUBBER COMING OFF	OLD	DIRTY	Y	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	-	N	Y	N	-
202 JONKERSHOEK MS (NO LABEL)	143	-	GEC POWER DIST.	81/73F8064	T3/OF	350 MVA	ALL MISSING	LV	RUBBER COMING OFF	OLD	REPAINT	Y	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	-	N	Y	Y	-
203 DE PLESSIS MS	144	-	REYROLLE	3G/OKSS/X2/17	OKSS.GEAR	350 MVA	ONE MISSING	LV	PAINT PEELING, RUBBER COMING OFF	Y	REPAINT	Y	-	Y	-	Y	Y		N	Y	-	Y	Y	Y	-
201 MORKEL MS	145	-	ELECTRO-INDUCTIVE	07381615F	NEDI	21 KA	Y	LV	RUBBER COMING OFF	OLD	Y	Y	-	Y	-	Y	Y	N	-	Y	-	N	N	N	-
204 JANNASCH 2 MS	146	-	NO LABEL	NO LABEL	NO LABEL	-	ONE MISSING	LV	REPAINT	OLD	-	Y	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	-	N	Y	Y	-
205 JANNASCH 1 MS	147	-	REYROLLE	3F/OKSS/X2/242	OKSS.GEAR	350 MVA	ONE MISSING	LV	PAINT PEELING, RUBBER COMING OFF	Y	REPAINT	Y	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	-	Y	Y	N	-
206 WATERWEG MS (WWG) [NO LABEL]	148	-	ENGLISH ELECTRIC	71/3002	T3/OF	250 MVA	ALL MISSING	-	RUSTED	OLD	RUSTED	N	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	-	Y	Y	Y	-
207 UITSIG MS (NO LABEL)	149	-	ENGLISH ELECTRIC	71/5000	T3/OF	250 MVA	ALL MISSING	-	RUSTED	OLD	CANT ACCESS	RATS	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	-	N	N	Y	-
208 ROZENDAL POMP (LABEL NOT OUTSIDE	150	-	LONG AND CRAWFORD	-	-	350 MVA	DANGER SIGNS	-	Y	Y	-	SPIDERS	-	Y	-	-	-	N	-	Y	-	N	N	N	-
209 VERREWYDE MS	151	-	SCHNEIDER ELECTRIC RM6	SB/2011/W09/2/0038	RM6 NE OI	21KA	Y	LV	Y	OLD	CANT ACCESS	Y	-	Y	-	Y	Y	N	N	Y	-	N	N	Y	-
210 PADSTAL	152	-	LUCY SWITCHGEAR	JG 1795/13	FRMA MK 1A	21 KA	FADED DANGER SIGNS	LV	Y	OLD	PAINT CHIPPED	Y	-	Y	-	Y	Y	N	N	Y	-	N	N	N	-
211 CANTERBURY MS	153	-	ABB	201311357720001	SUPERPLUS C,CCV,V	800 KVA	Y	LV	Y	Y	PAINT CHIPPED	ROOTS	-	Y	-	Y	Y	N	N	Y	-	N	N	Y	-
212 REPENS MS	154	-	GEC POWER DIST.	17556	T3/OF	350 MVA	Y	LV	RUSTY, RUBBER COMING OFF	OLD	DIRTY	Y	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	-	N	Y	Y	-
213 SERRURIA MS	155	-	GEC POWER DIST.	17560	T3/OF	350 MVA	Y	LV	RUSTY	OLD	Y	N	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	-	N	Y	Y	Y
214 SCHUILPLAATS MS	156	-	GEC POWER DIST.	22287	T3/OF	350 MVA	ALL MISSING	LV	RUBBER COMING OFF	Y	DIRTY	Y	-	Y	-	Y	Y	N	N	Y	-	N	Y	Y	-
215 STELLENBOSCH 101 MS	157	-	HAWKER SIDDLEY	FG 3487/3	NX3F	400 MVA	FADED DANGER SIGNS	LV	RUBBER COMING OFF	OLD	REPAINT	-	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	Y	N	Y	Y	-
216 PARADYSKLOOF MS	158	-	GEC POWER DIST.	25584	T3/OF	350 MVA	ALL MISSING	LV	REPAINT	OLD	DIRTY	SNAILS	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	-	N	N	Y	-
217 PARADYSKLOOF VILLAS MS (NO LABEL)	159	-	GEC POWER DIST.	21857	T3/OF	350 MVA	FADED DANGER SIGNS	LV	RUBBER COMING OFF	OLD	REPAINT	GRASS	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	-	N	N	N	-
218 LE MONTIER MS	160	-	HAWKER SIDDLEY	FG 3192/3	NX3F	400 MVA	ALL MISSING	LV	DIRTY	OLD	DIRTY	Y	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	-	Y	Y	N	-
219 STIAS MS	161	-	ABB	20062255360014 B130CCV	SAFERING CCV	21 KA	Y	LV	RUBBER COMING OFF	OLD		GRASS	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	-	N	Y	Y	-
220 CRISTIAN BROTHERS MS	162	-	HAWKER SIDDLEY	NOT LEGIBLE	NX3F	400 MVA	FADED DANGER SIGNS	LV	N	Y	CANT ACCESS	Y	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	-	N	Y	Y	-
221 MONT BLANC MS	163	-	HAWKER SIDDLEY	FG 3087/1	NX3F	400 MVA	FADED DANGER SIGNS	LV	RUSTY	Y	PAINT CHIPPED	Y	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	-	N	Y	N	-
222 PARADYSKLOOF RM	164	-	MEI TRANSFORMER ??	TGF3751515	TGF3	250 MVA	DANGER SIGNS	-	RUBBER COMING OFF	Y	-	Y	-	-	-	-	-	-	-	-	-	N	Y	N	-
223 LAPASTRORALE MA	165	-	HAWKER SIDDLEY	FG 2632/6	NX3F	400 MVA	DANGER SIGNS	-	RUBBER COMING OFF	OLD	PAINT CHIPPED	LIZARDS AND SPIDERS	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	-	Y	Y	Y	-
224 L'HERMITAGE	166	-	HAWKER SIDDLEY	FG 3185/26	NX3F	400 MVA	FADED DANGER SIGNS	LV	RUSTY	OLD	-	-	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	-	N	Y	N	-
225 EDEN MS	167	-	GEC POWER DIST.	24055	T3/OF	350 MVA	DANGER SIGNS	LV	RUBBER COMING OFF	Y	REPAINT	Y	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	Y	N	Y	N	-
226 ANESTA MS	168	-	-	-	-	-	DANGER SIGNS	-	RUBBER COMING OFF	-	DIRTY	Y	-	Y	-	Y	Y	N	N	Y	-	N	Y	N	-
227 FLORIDA	169	-	W.LUCY	NOT LEGIBLE	FRMU MK1	21 KA	ALL MISSING	LV	RUBBER COMING OFF	Y	REPAINT	Y	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	-	Y	Y	N	-
228 CYNEROIDE S MS	170	-	HAWKER SIDDLEY	FG 2407/7	NX3F	400 MVA	ALL MISSING	LV	OLD	OLD	PAINT CHIPPED	GRASS	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	-	Y	Y	N	-
229 FABER MS	171	-	LUCY SWITCHGEAR	JC 1795/5	FRMU MK1A	21 KA	DANGER SIGNS	LV	RUBBER COMING OFF	Y	PAINT CHIPPED	Y	-	Y	-	Y	Y	N	N	Y	-	Y	Y	N	-
230 LE SEUR	172	-	REYROLLE	2D/OKSS/X2/317	OKSS.GEAR	350 MVA	Y	-	RUBBER COMING OFF	OLD	REPAINT	LIZARDS AND SPIDERS	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	-	N	Y	Y	-
231 BRANDWACHT 2 MS	173	-	REYROLLE	2D/OKSS/X2/263	OKSS.GEAR	350 MVA	Y	LV	RUBBER COMING OFF	OLD	REPAINT	Y	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	-	N	Y	Y	-
232 BRANDWACHT 1 MS	174	-	REYROLLE	2D/OKSS/X2/302	OKSS.GEAR	350 MVA	Y	-	RUSTED, RUBBER COMING OFF	OLD	PAINT PEELING	LIZARDS AND SPIDERS	-	N	-	Y	N	Y(LV EXPOSED)	Y		-	N	Y	Y	-
233 BINNEKRING MS	175	-	GEC POWER DIST.	18785	T3/OF	350 MVA	Y	LV	RUSTED, RUBBER COMING OFF	Y	Y	LIZARDS AND SPIDERS	-	Y	-	Y	N	Y(LV EXPOSED)	N	Y	-	N	N	N	-
234 OLYFMS	176	-	REYROLLE	3E/OKSS/X2/226	OKSS.GEAR	350 MVA	Y	LV	RUSTY	Y		GRASS	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	N	N	N	N	-
235 BARRY MS	177	-	GEC POWER DIST.	82/T3F/10752	T3/OF	350 MVA	Y	LV	RUSTY, REPAINT	Y	PAINT PEELING	Y	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	N	Y	Y	N	-
236 PARK SS	178	-	HAWKER SIDDLEY	FG 3087/9	NX3F	400 MVA	Y	LV	RUSTED	OLD	PAINT CHIPPED	Y	-	Y	-	Y	N	Y(LV EXPOSED)	N	Y	-	N	Y	N	-
237 RHODES MS	179	-	REYROLLE	3F/OKSS/X2/514	OKSS.GEAR	350 MVA	ALL MISSING	LV	REPAINT	OLD	PAINT PEELING	GRASS	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	-	Y	Y	Y	-
238 KLEINGELUK	180	-	GEC POWER DIST.	15383	T3/OF	350 MVA	FADED DANGER SIGNS	-	REPAINT	STUCK	REPAINT	Y	-	Y	-	Y	Y	-	N	Y	-	Y	Y	N	-
239 LOVELL 1 MS	181	-	REYROLLE	3G/OKSS/X2/40	OKSS.GEAR	350 MVA	Y	LV	REPAINT	OLD	REPAINT	GRASS	-	Y	-	Y	N	Y(LV EXPOSED)	N	Y	-	Y	Y	Y	-
240 WINGERD MS	182	-	-	-	-	-	FADED DANGER SIGNS	-	RUSTED	OLD	REPAINT	GRASS	RUSTED	-	-	-	-	-	-	-	-	N	N	Y	-
241 WERF RM	183	-	GEC POWER DIST.	23682	T3/OF	350 MVA	FADED DANGER SIGNS	-	RUSTY	OLD	-	SPIDERS	-	Y	-	RUSTED		N	N	Y	-	N	Y	Y	-
242 LOVELL MS	184	-	REYROLLE	3G/OKSS/X2/39	OKSS.GEAR	350 MVA	Y	LV	REPAINT	Y	REPAINT	GRASS	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	-	Y	Y	Y	-
243 ELBERTA MS	185	-	REYROLLE	2D/OKSS/2X/297	OKSS.GEAR	350 MVA	Y	LV	REPAINT, RUBBER TEARING	OLD	PAINT CHIPPED	Y	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	-	N	N	N	-
244 ROKEWOOD/MARING	186	-	REYROLLE	3G/OKSS/K2/15	OKSS.GEAR	350 MVA	ALL MISSING	LV	RUSTED	OLD	BEES NEST	GRASS	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	N	N	N	Y	-
245 ROKEWOOD PUMP	187	-	GEC POWER DIST.	26283	T3/OF	350 MVA	FADED DANGER SIGNS	LV	REPAINT, RUBBER TEARING	OLD	REPAINT	MV SHIFTED, GAP INSIDE	-	Y	-	Y	Y	Y(LV EXPOSED)	N	Y	Y	Y	Y	N	-

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246 LOVELL 3 MS	188	–	REYROLLE	3E/OKSS/X2/201	OKSS.GEAR	350 MVA	Y	LV	RUBBER COMING OFF	OLD	PAINT PEELING	Y	–	Y	–	Y	N	Y(LV EXPOSED)	N	Y	Y	Y	Y	N	-
247 ELESIA	189	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
248 NO LABEL	191	–	HAWKER SIDDLEY	FG 2496/30	NX3F	350 MVA	Y	–	RUBBER COMING OFF	OLD	Y	Y	–	Y	–	Y	Y	N	N	Y	–	N	N	N	-
249 VALERIDA MS	192	–	HAWKER SIDDLEY	FG 95/46	TIGER 350	350 MVA	FADED DANGER SIGNS	LV	RUBBER COMING OFF	OLD	REPAINT	LIZARDS AND SPIDERS	–	Y	–	Y	–	N	–	Y	–	Y	Y	N	-
250 CORRIDOR M	193	–	ABB	20062237400005	SUPERPLUS C,CCV,V	–	ALL MISSING	–	RUBBER COMING OFF	OLD	PAINT PEELING	Y	–	Y	Y	Y	Y	N	N	–	–	N	Y	Y	-
251 HANI MS	194	–	HAWKER SIDDLEY	FG 4702/3	NX3F	400 MVA	ALL MISSING	–	PAINT PEELING	OLD	REPAINT	SPIDERS	–	Y	–	Y	Y	N	N	Y	–	N	Y	Y	-
252 MDALA 2 MS	195	–	HAWKER SIDDLEY	FG 2441/7	NX3F	400 MVA	ALL MISSING	–	RUSTED	OLD	REPAINT	RATS AND SPIDERS	–	Y	–	Y	–	–	–	Y	–	Y	Y	Y	-
253 VD STEL/ V RIEBEEK MS (NO LABEL)	196	–	GEC POWER DIST.	82/T3F/90500	T3/OF	350 MVA	FADED DANGER SIGNS	LV	RUSTED, RUBBER COMING OFF	Y	PAINT PEELING	GRASS	–	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	–	N	N	N	-
254 13TH STREET MS (NO LABEL)	197	–	NOT LEGIBLE	NOT LEGIBLE	NOT LEGIBLE	–	ALL MISSING	–	HANDEL BROKEN, NOT LOCKABLE	OLD	REPAINT	GRASS	4 MISSING	Y	–	Y	Y	N	N	Y	–	N	Y	N	-
255 SCHOOL CRESCENT (NO LABEL)	198	–	NOT LEGIBLE	NOT LEGIBLE	NOT LEGIBLE	–	ALL MISSING	–	RUSTED	OLD	REPAINT	Y	–	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	–	Y	Y	N	-
256 10TH AVE MS (NO LABEL)	199	–	ISOLATORS	ISOLATORS	ISOLATORS	–	ALL MISSING	LV	RUSTED	OLD	NEED PAINT	Y	–	Y	–	Y	N	Y(LV EXPOSED)	N	Y	N	N	Y	N	-
257 VAN COPPENHAGEN MS (NO LABEL)	200	–	GEC POWER DIST.	17/2560	T3/OF MK11	250 MVA	ALL MISSING	–	RUSTED	OLD	CANT ACCESS	GRASS	–	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	–	N	N	Y	-
258 SNAKE VALLEY MS	201	–	NOT LEGIBLE	NOT LEGIBLE	NOT LEGIBLE	–	ALL MISSING	–	REPAINT, RUBBER TEARING	OLD	REPAINT	Y	–	Y	–	Y	Y	N	N	Y	–	N	Y	Y	-
259 EL VINEYARD ST MS (NO LABEL)	202	–	LUCY SWITCHGEAR	JC 1795/01	FRMU MK1A	–	ALL MISSING	–	RUSTED	OLD	REPAINT	Y	–	Y	–	–	N	N	N	Y	–	N	Y	Y	-
260 MERTON (NOT LEGIBLE	203	–	–	–	–	–	ALL MISSING	–	RUSTED, RUBBER COMING OFF	Y	PAINT CHIPPED	Y	–	–	–	–	Y	N	N	Y	–	Y	Y	Y	-
261 6TH AVE MS (NO LABEL)	204	–	ISOLATORS	ISOLATORS	ISOLATORS	–	ALL MISSING	LV	RUSTED	OLD	RUSTED	Y	–	Y	Y	Y	Y	Y(LV EXPOSED)	N	Y	–	N	N	N	-
262 7TH AVE B MS (NO LABEL)	205	–	–	–	–	–	ALL MISSING	–	DENTED	N	-	-	–	-	–	-	-	-	-	-	–	-	Y	N	-
263 MAKAPULA MS	207	–	HAWKER SIDDLEY	FG 2407/2	NX3F	400 MVA	ALL MISSING	–	RUSTED	OLD	REPAINT	Y	1 MISSING	Y	–	-	-	-	-	Y	–	N	N	Y	-
264 LUYOLO MS (NO LABEL)	208	–	ISOLATORS	ISOLATORS	ISOLATORS	–	ALL MISSING	LV	RUSTED	OLD	PAINT CHIPPED	SPIDERS	–	–	–	-	Y	Y(LV EXPOSED)	N	-	Y	N	N	Y	-
265 SOKUQALA MS (NO LABEL)	209	–	ABB	2013113586800007	SAFEPLUS CCV,V,C	21 KA	Y	–	Y	Y	PAINT CHIPPED	Y	4 MISSING	Y	Y	Y	Y	N	N	Y	–	N	N	Y	-
266 SESIBINI MS(NO LABEL)	210	–	NO LABEL	NO LABEL	NO LABEL	–	ALL MISSING	–	RUSTED	OLD	PAINT CHIPPED	GRASS	–	–	–	Y	Y	N	N	Y	–	N	Y	Y	-
267 JACARANDA MS (NO LABEL)	211	–	NOT LEGIBLE	NOT LEGIBLE	NOT LEGIBLE	–	DANGER SIGNS	–	RUSTED, RUBBER COMING OFF	OLD	REPAINT	Y	–	Y	–	Y	Y	N	N	Y	–	N	Y	Y	-
268 NOTHEND MS	212	–	HAWKER SIDDLEY	FG 89/12	TIGER 350	350 MVA	DANGER SIGNS	–	RUSTED, RUBBER COMING OFF	OLD	REPAINT	SPIDERS	1 MISSING	Y	–	Y	Y	N	N	Y	–	Y	Y	N	-
269 ORLEANS MS	213	–	NOT LEGIBLE	NOT LEGIBLE	NOT LEGIBLE	–	ALL MISSING	–	RUSTED	OLD	REPAINT	Y	–	Y	–	Y	Y	N	N	Y	–	N	N	Y	-
270 ANTHONY MS	214	–	GEC POWER DIST.	15494	T3/OF	350 MVA	DANGER SIGNS	–	REPAINT	OLD	REPAINT	ANTS	1 MISSING	Y	–	Y	Y	N	N	Y	–	Y	Y	Y	-
271 COMBI MS	215	–	GEC POWER DIST.	15498	T3/OF	350 MVA	DANGER SIGNS	LV	REPAINT	OLD	REPAINT	SPIDERS	1 MISSING	Y	–	Y	Y	N	N	Y	–	Y	Y	N	-
272 DANDE MS	216	–	GEC POWER DIST.	15386	T3/OF	350 MVA	DANGER SIGNS	LV	REPAINT, RUBBER TEARING	OLD	REPAINT	Y	–	Y	–	Y	Y	N	N	Y	–	N	Y	N	-
273 CUPIDO	217	–	GEC POWER DIST.	15492	T3/OF	350 MVA	DANGER SIGNS	LV	REPAINT, RUBBER TEARING	OLD	–	N	1 MISSING	Y	–	Y	Y	N	N	Y	–	Y	Y	N	-
274 OLIFANT MS	218	–	GEC POWER DIST.	15499	T3/OF	350 MVA	ALL MISSING	LV	REPAINT	OLD	OLD	Y	1 MISSING	Y	–	Y	Y	N	N	Y	–	N	Y	Y	-
211 STASIE MS	219	–	GEC POWER DIST.	83-T3F-14434	T3-OF	350 MVA	ALL MISSING	LV	REPAINT, RUBBER WORN, HANDLES RUST	OLD	REPAINT	SPIDERS	Y	Y	–	Y	N	Y(LV EXPOSED)	Y	N	N	Y	Y	N	-
212 MELKHOUT MS	220	–	ILLEGIBLE	ILLEGIBLE	ILLEGIBLE	-	ALL MISSING	–	REPAINT, RUSTY, RUBBER TORN OFF	OLD	REPAINT	SPIDERS	3 MISSING	Y	–	Y	Y	N	N	Y	–	Y	Y	N	-
213 SEGERS MS	221	–	GEC POWER DIST.	22374	T3/OF	350 MVA	FADED DANGER SIGNS	LV	RUBBER TORN OFF, REPAINT	OLD	REPAINT	PELETS	1 MISSING	Y	–	Y	Y	N	N	Y	–	Y	Y	N	-
214 BERGSIPRESS MS	222	–	GEC POWER DIST.	25693	T3-OF	350 MVA	ALL MISSING	–	RUSTY INSIDE, REPAINT	OLD	REPAINT	WASP AND SPIDERS	2 MISSING	Y	–	Y	Y	N	N	Y	–	Y	Y	N	-
215 WATERBOOM MS	223	–	HAWKER SIDDLEY	FG1788/1	NX3F	400 MVA	ALL MISSING	LV	REPAINT, RUBBER TEARING OFF	OLD	PAINT CHIPPED	ANTS AND SPIDERS	–	Y	–	Y	Y	N	N	Y	–	Y	Y	N	-
216 ESSENHOUT MS	224	–	HAWKER SIDDLEY	FG2407/04	NX3F	400 MVA	ALL MISSING	LV	REPAINT, RUBBER WEARING OFF	OLD	CANT ACCESS	ANTS AND BUGS	2 MISSING	Y	–	Y	Y	N	N	Y	–	N	Y	Y	-
217 WAARIERPALM	225	–	HAWKER SIDDLEY	FG2593/7	NX3F	400 MVA	FADED DANGER SIGNS	–	REPAINT, HANDLES RUSTY, NO PAINT INSID	OLD	RUSTED	GRASS AND WASP NEST	CLOSED OFF	Y	–	Y	Y	N	N	Y	–	Y	Y	Y	-
218 GABRIEL MS	226	–	HAWKER SIDDLEY	FG95/7	TIGER 350	350 MVA	DANGER SIGN	LV	BER TEARING OFF, HANDLES RUSTY, REPA	OLD	REPAINT	Y	2 MISSING	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	N	Y	Y	N	-
219 ORTELL MS	227	–	GEC POWER DIST.	17946	T3-OF	350 MVA	ALL MISSING	LV	RUSTY, RUBBER TEARING OFF	OLD	REPAINT	N	N	Y	–	Y	N	Y(LV EXPOSED)	–	Y	N	Y	Y	N	-
220 LANG WILLIAMS MS	228	–	HAWKER SIDDLEY	FG3685/8	NX3F	400 MVA	DANGER SIGNS CRACKED	LV	REPAINT, RUBBER WORN OFF	OLD	REPAINT	BUGS AND SNAILS	2 MISSING	Y	–	Y	Y	N	N	Y	–	Y	Y	N	-
221 LAST MS	229	–	GEC POWER DIST.	23071	T3/OF	350 MVA	DANGER SIGNS CRACKED	LV	RUBBER WEARING OFF	OLD	RUSTED	N	1 MISSING	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	N	N	N	Y	-
222 LANGSTRAAT WOONSTEL MS	230	–	SCHNEIDER ELECTRIC RM6	SB-2010-W06-4-0079	NED2ID	21 KA	Y	–	RUSTING AROUND AIRVENTS	OLD	PAINT CHIPPED	PELETS	N	Y	Y	Y	Y	N	N	Y	–	N	Y	N	-
223 LAKAY 1 MS	231	–	W.LUCY & CO. LTD OXFORD	NOT LEGIBLE	FRMU MK1	21.9 KA	ALL MISSING	LV	RUBBER WORN OFF, REPAINT	OLD	RUSTED	–	N	Y	–	N	Y	Y(LV EXPOSED)	N	Y	N	N	Y	N	-
224 LAKAY 2 MS	232	–	W.LUCY & CO. LTD OXFORD	NOT LEGIBLE	FRMU MK1	21.9 KA	ALL MISSING	LV	RUBBER WORN OFF, REPAINT	OLD	RUSTED	N	–	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	N	N	Y	N	-
226 BLERSCH MS	233	–	HAWKER SIDDLEY	FG3565/4	NX3F	400 MVA	Y	–	RUSTY EDGES	OLD	REPAINT	Y	2 MISSING	Y	–	Y	Y	N	N	Y	–	Y	Y	N	-
227 RUPERT MUSEUM MS	234	–	HAWKER SIDDLEY	NO LABEL	NX3F	400 MVA	Y	–	REPAINT, HANDLES RUSTED	OLD	PAINT CHIPPED	WASP NEST AND SNAILS	2 MISSING	Y	–	Y	Y	N	N	Y	–	N	Y	N	-
228 MILLENIA PARK MS	235	–	REYROLLE PARSONS	3N5A1MS159	1MS/X2/00E	250 MVA	OUTSIDE DOOR	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	-
229 DE WAGENWEG RMU	236	–	ABB	2002 2091480001 B131CCF	SAFERING CCF	21 KA	Y	–	RUSTED	OLD	–	Y	–	Y	Y	–	–	N	–	–	–	N	Y	Y	-
230 WPK MS	237	–	GEC POWER DIST.	76/T3F1995	T3/OF	350 MVA	Y	LV	T HANDLES, RUBBER WORN OFF, RUSTED	OLD	Y	Y	1 MISSING	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	N	Y	N	N	-
231 HOEP HOEP MS	238	–	REYNOLLE ENGLAND	3F/OKSS/X2/471	OKSS GEAR	350MVA	1 DANGER SIGN	–	PAINT PEELING INSIDE	OLD	PAINT CHIPPED	SPIDERS	Y	Y	–	Y	Y	N	N	Y	–	Y	Y	Y	-
232 SWAWEL MS	239	–	SCHNEIDER ELECTRIC RM6	SB-2009-W46-1-0006	NE2ID	21 KA	Y	–	HANDLES RUSTY	OLD	Y	Y	Y	Y	Y	Y	Y	N	N	Y	–	N	N	N	-
233 FLAMINGO MS	240	–	HAWKER SIDDLEY	FG3685/9	NX3F	400 MVA	Y	LV	ONE HANDLE SLIGHTLY RUSTY	Y	PAINT CHIPPED	Y	3 MISSING	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	–	N	Y	N	Y
234 KLEINVALLEI MS	241	–	ROYNOLLE ENGLAND	3G/OKSS/X2/4	OKSS GEAR	350 MVA	DANGER SIGN	LV	REPAINT, RUBBER WEARING OFF	OLD	PAINT CHIPPED	GRASS INSIDE	1 MISSING	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	N	Y	Y	Y	-
235 LOERIE MS	242	–	NO LABEL	NO LABEL	NO LABEL	–	DANGER SIGNS	N	RUSTED	OLD	RUSTED	–	–	–	–	–	Y	Y(LV EXPOSED)	N	Y	N	N	N	Y	-
236 JAN FREDRIK MS	243	–	NO LABEL	NO LABEL	NO LABEL	–	DANGER SIGN	LV	RUSTED	OLD	–	GRASS INSIDE	–	–	–	–	N	Y(LV EXPOSED)	N	Y	N	N	N	Y	-
237 HAMERKOP 1 MS	244	–	NO LABEL	NO LABEL	NO LABEL	–	DANGER SIGN	Y	RUSTED	OLD	–	Y	–	Y	–	–	Y	Y(LV EXPOSED)	N	Y	N	N	N	Y	-
238 HAMERKOP 2 MS	245	–	NO LABEL	NO LABEL	NO LABEL	–	DANGER SIGN	Y	RUSTED, MV FALLING OFF	OLD	RUSTING	GRASS INSIDE	–	–	–	–	Y	Y(LV EXPOSED)	N	Y	N	N	N	Y	-
239 SELFARDS MS	246	–	GEC POWER DIST.	23085	T3/OF	350 MVA	DANGER SIGN	LV	RUBBER WEARING OFF, DIRTY INSIDE	–	DIRTY	Y	Y	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	N	N	Y	Y	-
240 MARCEL'S MS	247	–	ABB	201010388790013	SAFERING C;CCV;V	21 KA	Y	–	Y	OLD	Y	Y	–	Y	Y	Y	Y	N	N	Y	–	N	Y	N	-
241 SANTHAGEN MS	248	–	GEC POWER DIST.	26515	T3/OF	350 MVA	DANGER SIGN	(LV)Y	REPAINT, RUBBER TEARING OFF	OLD	DIRTY	SPIDERS	BOLTS RUSTED	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	–	Y	Y	Y	-
243 STELLENOORD 1 MS	249	–	NO LABEL	NO LABEL	NO LABEL	–	FADED DANGER SIGNS	LV	RUSTED, SPONGE INSTEAD OF RUBBER	OLD	REPAINT	LIZARDS	–	Y	–	–	Y	Y(LV EXPOSED)	N	Y	–	N	Y	N	-
244 STELLENOORD 2 MS	250	–	HAWKER SIDDLEY	FG1665/3	NX3F	400 MVA	DANGER SIGNS	LV	REPAINT, RUBBER TEARING OFF	OLD	Y	GRASS	2 MISSING	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	–	Y	N	N	-
245 GELUKSOORD RM	251	–	ONG CRAWFORD MANCHESTE	T3GF3 762955	T3GF3	–	OUTSIDE GATE	–	–	OLD	–	–	–	Y	–	–	–	Y(LV EXPOSED)	–	N	–	–	–	–	-
246 BOSMAN CROSSING MS	252	–	HAWKER SIDDLEY	FG4861/3	NX3F	400 MVA	FADED DANGER SIGNS	–	REPAINT, HANDLES SLIGHTLY RUSTY	–	REPAINT	Y	Y	Y	–	Y	Y	N	N	Y	–	N	Y	N	-
KWV PARK	253	–	HAWKER SIDDELEY	FG 4193/4	NX3F	400 MVA	FADED DANGER SIGNS	–	REPAINT	OLD	REPAINT	SPIDERS	–	Y	–	Y	Y	N	N	Y		N	Y	N	–
SONOPWYNE RMU	254	–	LONG AND CRAWFORD	NOT LEGIBLE	T3GF3	–	DANGER SIGNS	–	Y	OLD	Y	Y	–	Y	–	–	–	N	–	–	–	N	Y	N	–
LIBERTE MS	256	–	HAWKER SIDDELEY	FG 4818/1	NX3F	400 MVA	FADED DANGER SIGNS	–	RUSTED	OLD	REPAINT	WASPS NEST, WEEDS	2 MISSING	Y	–	Y	Y	N	N	Y	–	Y	Y	Y	–
CARBENET MS	257	–	GEC PAWER DIST.	26511	T3/OF	350 MVA	DANGER SIGNS	LV	REPAINT	OLD	REPAINT	WASPS NEST	1 MISSING	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	–	N	Y	Y	–
VREDENBURG MS	258	–	SCHEIDER ELECTRIC RM6	SB/2009/W46/5/0090	NE2ID	21 KA	Y	–	REPAINT	OLD	REPAINT	Y	–	Y	–	Y	Y	N	N	Y	–	N	Y	N	–
RIOOLGEN RMY (GENERATOR)	259	–	LONG AND CRAWFORD	T4GF751512	T4GF3 RMU	–	Y	–	DOOR FALLING OFF	MISSING	–	Y	–	Y	–	Y	Y	N	N	Y	–	N	Y	N	–
KOMPOSTEERING RMU	260	–	HAWKER SIDDELEY	FG 463/2	NX3F	400 MVA	Y	–	DIRTY	MISSING	–	Y	–	Y	–	–	–	N	–	–	–	N	N	N	–
288 ROOLDAMME MS	261	–	ABB	201110889170009	SAFERING C,CCV,V	21 KA	DANGER SIGNS	–	DIRTY	Y	PAINT CHIPPED	SPIDERS	–	Y	Y	Y	Y	N	N	Y	–	N	N	N	–
289 RIOOLGEN HOUSING	262	–	GEC POWER DIST.	21015	T3/OF	350 MVA	Y	LV	REPAINT, RUBBER TEARING	Y	PAINT CHIPPED	Y	–	Y	–	Y	Y	N	N	Y	–	N	Y	N	–
290 OUDE LIEBERTAS	263	–	NOT LEGIBLE	NOT LEGIBLE	NOT LEGIBLE	–	FADED DANGER SIGNS	MV	REPAINT	OLD	REPAINT	SPIDERS	–	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	–	N	Y	Y	–
291 OUDE MOLEN RMU	264	–	LONG AND CRAWFORD	T3GF3724669	T3FG3 RMU	–	ALL MISSING	–	–	OLD	–	N	–	Y	–	–	–	N	–	–	–	–	–	–	–
292 OEWERPARK MS	265	–	GEC POWER DIST.	83/T3F/14601	T3/OF	350 MVA	FADED DANGER SIGNS		REPAINT	OLD	PAINT CHIPPED	LIZARDS AND SPIDERS		Y		Y	Y	N	N	Y	–	Y	Y	Y	
278 SHOPPING CENTER RMU (NO LABEL)	267	–	MERLING GERIN RM6	R06373515F	RM6	21 KA	ALL MISSING	–	REPAINT	OLD	Y	Y	–	Y	Y	Y	Y	N	N	Y	Y	N	Y	N	–
279 CULEMBURG MS	268	–	REYROLLE	3E/OKSS/X2/178	OKSS.GEAR	350 MVA	–	LV	PAINT PEELING	OLD	REPAINT	GRASS	–	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	–	N	N	N	–
280 BLENHEIM MS	269	–	REYROLLE		OKSS.GEAR	350 MVA	ALL MISSING	LV	RUSTED	OLD	REPAINT	GRASS	–	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	N	N	N	Y	–
281 ROKEWOOD MS	270	–	REYROLLE	3E/OKSS/X2/231	OKSS.GEAR	350 MVA	ALL MISSING	LV	RUSTED	OLD	RUSTED	GAP	–	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	–	N	N	N	–
282 DOORNBOSCH	271	–	GEC POWER DIST.	83/T3F/13459	T3/OF	350 MVA	Y	LV	REPAINT, RUBBER TEARING	OLD	PAINT PEELING	GRASS	–	Y	–	Y	N	Y(LV EXPOSED)	N	Y	Y	Y	Y	N	–
283 CLUVER CIRCLE MS (NO LABEL	272	–	SCHNEIDER ELECTRIC RM6	SB/2011/W07/6/0037	NE IDI	21 KA	Y	–	RUSTED	OLD	PAINT MARKS	Y	–	Y	Y	Y	Y	N	N	Y	–	N	Y	N	–
284 SOETEWEIDE MS	273	–	ABB	201010349400002	SAFERING C,CCV,V	21 KA	Y	–	DIRTY	OLD	DIRTY	Y	–	Y	Y	Y	Y	N	N	Y	–	N	N	Y	–
1. SKOOL MS	274	-	ABB	201010575210001	SAFERING C,CCV,V	21kA	Y	(LV) Y	RUSTY IN & OUT	OLD	REPAINT	Y	-	Y	Y	Y	Y	N	N	Y	-	Y	Y	Y	Y
2. MULBERRY PLACE MS	275	–	ABB	20062258820003	SAFERING CCV	21kA	Y	–	RUSTY LEVER, REPAINT	OLD	REPAINT	Y	-	Y	Y	y	Y	N	N	Y	N	Y	N	N	Y

	Address/Location	Mini Ring Network	Make	Serial Number	Type	Rating	Overall Signage and Warning Notices (Y/N)	Phase Colour Coding Tags	Condition of all Doors	Condition and Availability of Locks	Condition of Cooling Fins	Grass and Vermin Proofing in Good Condition (Y/N)	Roof Bolts in Good Condition and No Open Gaps	Operating Handle on Site (Y/N)	SF6 Gas Pressure (Where Applicable) gY/N)	Overall Earthing in Contact (Y/N)	LV Breakers Mounted Properly	Safety Barriers in Place and No Live Connections Exposed	Loose Connections on LV Breakers (Y/N)	MV Safety Barrier Fitted (Y/N)	Phase Barrier Boards are Fitted between Phases	Repaint Inside (Y/N)	Repaint Outside (Y/N)	Grass to be Removed from Inside/Outside Minisub (Y/N)	Backfilling need Attention (Y/N)
3. NOBLE MS	276	–	W.LUCY	84/2874/9	FRMU MK1	-	Y	LV	REPAINT	OLD	REPAINT	Y	-	-	Y	Y	Y	Y	N	Y	N	Y	Y	Y	Y
4. LAPAN 1 MS	277	–	W.LUCY	84/2874/14	FRMU MK1	-	N (SOME MISSING)	LV	REPAINT	OLD	REPAINT	Y	1 MISSING	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	-
5. LAPAN 2 MS	278	–	GEC POWER DIST.	21691	T3/OF	350 MVA	Y	LV	DIRTY	OLD	REPAINT	Y	-	Y	-	Y	Y	N	N	Y	–	Y	N	N	-
6. ALLY MS	279	-	W.LUCY	84/2874/7	FRMU MK1	-	FADED,DAMAGED	LV	REPAINT	OLD	REPAINT	N/GRASS	2 MISSING	Y	–	Y	Y	Y	N	Y	N	Y	Y	Y	-
7. TENNANT MS	280	–	W.LUCY	84/2874/4	FRMU MK1	–	FADED,DAMAGED	LV	REPAINT	OLD	REPAINT	Y	-	Y	-	Y	Y	Y	N	Y	N	Y	Y	Y	-
8. D-HOSPITAAL MS	281	–	W.LUCY	NOT LEGIBLE	FRMU MK1	–	Y	LV	DIRTY	OLD	DIRTY	Y	1 MISSING	Y	-	Y	Y	Y	N	Y	-	DIRTY	DIRTY	N	-
9. TAYLOR MS	282	–	HAWKER SIDDLEY	FG 4296-2	NX3F	400 MVA	FADED	-	REPAINT, LV DOOR DAMAGED	OLD	REPAINT	Y	2 MISSING	Y	-	Y	Y	N	N	Y	-	N	Y	N	-
10. MASTERTREADS	283	–	GEC POWER DIST.	83-T3F-13808	T3/OF	350 MVA	FADED	LV	REPAINT	OLD	REPAINT	Y	1 MISSING	Y	-	Y	Y	N	N	Y	Y	RUST	RUST	Y	-
11. BOKOMO MS	284	-	SCHNEIDER ELECTRIC RM6	5B-2010-W18-1-0067	NE 2 ID	-	Y	-	REPAINT,HANDLES RUSTED	OLD	REPAINT	Y	-	Y	-	Y	Y	Y	N	Y	-	Y	Y	WEEDS	-
12. LaREZ MS	285	–	HAWKER SIDDLEY	FG 4324/1	NX3F	400 MVA	FADED	–	REPAINT	OLD	REPAINT	Y	-	Y	-	Y	Y	N	N	Y	-	Y	Y	-	-
13. NOOITGEDACHT MS	286	–	ABB	20062252500010 B130CCV	SAFERING CCV	–	Y	–	REPAINT	OLD	REPAINT	Y	-	Y	-	Y	Y	N	N	Y	-	N	Y	Y	-
14. VERGESIG MS	287	–	HAWKER SIDDLEY	FG 3638/24	NX3F	350 MVA	FADED	LV	REPAINT	OLD	REPAINT	Y	-	Y	-	Y	Y	N	N	Y	Y	Y	Y	N	-
15. BERGENDAL MS	288	–	HAWKER SIDDLEY	FG 3409/8	NX3F	350 MVA	FADED	–	REPAINT,HANDLES RUSTED	OLD	REPAINT	Y	2 MISSING	Y	-	Y	Y	N	N	Y	-	Y	Y	N	-
16. BINNE PLEIN MS	289	–	RED LOCK	RED LOCK	RED LOCK	RED LOCK	Y	–	DIRTY	OLD	REPAINT	Y	-	-	-	-	Y	N	N	-	-	DIRTY	DIRTY	Y	-
17. DRUKKERSLAAN MS	290	–	HAWKER SIDDLEY	FG 499/3	NX3F	400 MVA	Y	–	OVERALL REPAINT, HANDLES RUSTED	OLD	REPAINT, RUSTED	N	–	–	-	Y	Y	N	N	Y	-	Y	Y	N	-
18. MOLTENO MS	291	–	NOT LEGIBLE	NOT LEGIBLE	NOT LEGIBLE	NOT LEGIBLE	N	LV	REPAINT	OLD	RUSTED	N	–	Y	-	Y	Y	Y	N	Y	N	Y	Y	N	-
19. PLUMBAGO MS	292	–	SCHNEIDER ELECTRIC RM6	5B-2010-W18-5-0028	NE 2 ID	–	Y	–	HANDLES RUSTY	OLD	COVERED BY TREES	N (SPIDERS)	–	Y	Y	Y	Y	N	N	Y	-	N	N	WEEDS	-
20. CALTEX MS	293	–	SBB	20062255560010	SAFERING	–	Y	LV	REPAINT	OLD	REPAINT	N	–	Y	Y	Y	Y	N	N	Y	-	N	Y	N	-
21. KILOTREADS RMU	294	–	LONG AND CRAWFORD	T3GF3748894	T3GF3	200 Kva	N (MISSING)	–	–	Y	–	–	–	Y	–	–	–	Y	N	–	–	BOLTS RUSTED	N	Y	-
22. LOBELIA MS	295	–	GEC POWER DIST.	18516	T3-OF	350 MVA	DANGER SIGNS	–	REPAINT,DIRTY INSIDE	OLD	REPAINT	N (WATER)	1 MISSING	Y	–	Y (RUSTY BOLTS)	Y	Y (LV EXPOSED)	N	Y	N	N	Y	N	FILL UP
23. SABOSELA MS	297	–	HAWKER SIDDLEY	FG427/1	NX3F-E	350 MVA	N	–	–	OLD	–	–	–	Y	–	–	–	N	–	–	–	RUST	RUST	Y	-
24. OEWERSIG MS	298	–	NEI REYROLLE - ENGLAND	3P ROKSS 818	ROKSS/CC	–	N	–	GATE RUSTY	Y	–	–	–	Y	–	–	–	N	–	–	–	Y	N	WEEDS	-
25. LANGENHOVEN MS	299	–	HAWKER SIDDLEY	FG/882/8	NX3F	400 MVA	NOT LEGIBLE	LV	REPAINT	OLD	REPAINT	N	2 MISSING	Y	–	Y	Y	Y (LV)	N	Y	–	N	Y	WEEDS	-
26. AGAPE MS	300	–	ABB	20062246430003	SAFERING CCV	21 Ka	y	–	REPAINT	Y	REPAINT	SPIDERS	CLOSED OFF	Y	Y	Y	Y	N	N	Y	–	N	Y	Y	-
27. ANDRINGA MS	302	–	–	–	–	–	NOT LEGIBLE	LV	REPAINT	OLD	REPAINT	SPIDERS	–	Y	–	Y	Y	Y (LV EXPOSED)	N	Y	–	N	Y	Y	-
28. BANGHOEK MS	303	–	GEC POWER DIST.	79/T3F 4628	T3/OF	350 MVA	DANGER SIGNS	–	REPAINT	OLD	REPAINT	SPIDERS	N	Y	–	Y	Y	Y (LV EXPOSED)	N	Y	–	Y	Y	N	-
29. DENNESIG MS	304	–	ABB	200910131580003	SAFERING C,V,CCV	21kA	Y	–	DIRTY, HANDLES RUSTY	OLD	DIRTY,WASP NEST	SPIDERS	–	Y	Y	Y	Y	N	N	Y	–	N	N	Y	-
30. PICK N' PAY	305	–	LONG AND CRAWFORD	T3GF3724358	T3GF3	250 MVA	N	–	WOODEN DOORS ROTTEN	OLD	–	–	–	Y	–	–	–	N	–	–	–	N	N	-	-
31. McDONALDS	306	–	HAWKER SIDDLEY	FG 3072/2	NX3F	350 MVA	Y	LV	PAINT INSIDE	Y	DIRTY	Y	2 MISSING	Y	–	Y	Y	Y (LV EXPOSED)	N	Y	–	N	N	N	-
32. BOSCHEN PARK MS	307	–	ABB	20062256710001	SAFERING CCV	21kA	DANGER SIGNS	LV	REPAINT	OLD	REPAINT	N	–	Y	Y	Y	Y	N	N	Y	–	N	Y	N	-
33. VAN DER STEL SPORTSFIELD MS	308	–	GEC POWER DIST.	24436	T3/OF	350 MVA	Y	LV	REPAINT,HANDLES RUSTED	Y	REPAINT,DENTED	GAP	–	Y	–	Y	Y	Y (LV EXPOSED)	N	Y	Y	N	Y	RUBBISH	-
34. LANDROS MS	310	–	LUCY SWITCHGEAR	JG 1795/7	FRMU MK1A	–	FADED DANGER SIGNS	LV	REPAINT OUTSIDE	OLD	REPAINT	COCKROAHES,POISONOUS SPIDERS	–	Y	–	Y	Y	N	N	Y	Y	N	Y	RUBBISH	-
35. HELDERZICHT MS	313	–	GEC POWER DIST.	15283	T3-OF	350 MVA	FADED	LV	REPAINT	OLD	REPAINT	BUGS	–	Y	–	Y	Y	Y (LV EXPOSED)	N	Y	N	Y	Y	N	-
36. SDR RMU	314	–	LONG AND CRAWFORD	T3GF3759652	T3GF3	250 MVA	N	–	–	–	–	–	–	Y	–	–	–	N	–	–	–	N	N	N	-
37. ALEXANDER MS	315	–	REYROLLE	3F/OKSS/X2/243	OKSS.GEAR	350 MVA	N	LV	REPAINT INSIDE AND OUTSIDE	OLD	REPAINT	BIG COCKROACHES,SPIDERS AND LIZARDS	–	Y	–	Y	Y	Y (LV EXPOSED)	N	Y	N	N	Y	N	-
38. KOLLEGE MS	316	–	ALSTOM	1487	K3AF	20kA	FADED	–	REPAINT OUTSIDE	OLD	REPAINT	BUGS,SPIDERS, SNAKES	–	Y	–	Y	Y	N	N	Y	–	Y	Y	PLANTS	-
39. KOLLEGE RMU	317	–	HAWKER SIDDLEY	FG 2802/1	NA3F	400 MVA	Y	–	DIRTY	OLD	–	GAP	Y	Y	–	–	–	N	–	–	–	N	N	Y	Y
40. RATTRAY	318	–	GEC POWER DIST.	35697	T3/OF	350 MVA	FADED DANGER SIGNS	LV	REPAINT	OLD	REPAINT	BUGS AND SPIDERS	1 MISSING	Y	–	Y	Y	N	N	Y	–	N	Y	N	-
41. HUIS PIRON	319	–	HAWKER SIDDLEY	NOT LEGIBLE	NX3F	400 MVA	FADED	–	REPAINT OUTSIDE,HANDLES RUSTED	OLD	REPAINT	POISONOUS SPIDERS	4 MISSING	Y	–	Y	Y	N	N	Y	–	N	Y	N	-
42. NYASA RMU	–	–	HAWKER SIDDLEY	FG 2550/1	NX3F	350 MVA	OUTSIDE GATE	–	–	Y	–	–	–	Y	–	–	–	N	–	–	–	BIT RUSTY	N	WEEDS	-
43. AZELEA RMU	320	–	LONG AND CRAWFORD	T3GF3 757529	T3GF3	250 MVA	N	–	–	OLD	–	–	–	Y	–	–	–	N	–	–	–	N	N	WEEDS	-
44. GOODHOPE MS	322	–	GEC POWER DIST.	16578	T3-OF	350 MVA	–	LV	REPAINT INSIDE,CLEAN OUTSIDE	OLD	NO ACCESS	Y	1 MISSING	Y	–	Y	Y	Y (LV EXPOSED)	N	Y	N	N	Y	Y	-
45. BOLAND BANK RMU	323	–	REYROLLE	3HROKSS 167	ROKSS/X1	250 MVA	Y	–	–	OLD	–	–	–	Y	–	–	–	N	N	–	–	BOLTS RUSTED	RUST	N	-
46. PIET RETIEF MS	324	–	GEC POWER DIST.	23087	T3/OF	350 MVA	FADED DANGER SIGNS	LV	REPAINT INSIDE AND OUTSIDE	OLD	–	SPIDERS	–	Y	–	Y	Y	Y (LV EXPOSED)	N	Y	N	Y	Y	N	-
47. ISA CARSTENS MS	325	–	HAWKER SIDDLEY	FG4449/1	NX3F	400 MVA	FADED DANGER SIGNS	LV	REPAINT OUTSIDE AND CLEAN INSIDE	OLD	REPAINT	SPIDERS	–	Y	–	Y	Y	Y (LV EXPOSED)	N	Y	N	CLEAN	Y	N	-
48. STUDENT VILLAGE MS	326	–	SCHNEIDER ELECTRIC RM6	SB-2012-W28-2-0028	NE 1DF	21kA	Y	–	DIRTY	Y	DIRTY	Y	–	Y	Y	Y	Y	N	N	Y	–	N	N	N	-
49. DRIEHOEK MS	327	–	SCHNEIDER ELECTRIC RM6	SB-2010-W17-2-0062	NE 2ID	21kA	FADED	–	HANDLES RUSTY	OLD	DIRTY	LIZARDS AND SPIDERS	–	Y	Y	Y	Y	N	N	Y	–	N	N	N	-
50. CAPE DUTCH MS	328	–	ABB	20110157390005	SAFERING C,CCV,V	21kA	Y	–	DIRTY	Y	PAINT CHIPPED	SPIDERS	–	Y	Y	Y	Y	N	N	Y	–	N	N	N	Y (LV)
51. MORRISLAAN MS	329	–	W.LUCY	84/2874/2	FRMU MK1	–	Y	LV	DIRTY	OLD	DIRTY	SPIDERS	2 MISSING	Y	–	Y	N	Y (LV EXPOSED)	N	Y	N	N	N	Y	-
52. HIV CENTRE MS	330	–	ABB	201110864290008	SAFERING C,CCV,V	21kA	Y	–	DIRTY	Y	PAINT CHIPPED	SPIDERS	–	Y	Y	Y	Y	N	N	Y	–	N	N	N	N
53. BOTMAZICHT MS	331	–	HAWKER SIDDLEY	FG 3685/4	NX3F	350 MVA	ALL MISSING	–	DIRTY	Y	DIRTY	–	4 MISSING	Y	–	Y	Y	N	N	Y	–	Y	N	Y	N
54. HET BEGIJNHOF MS	332	–	HAWKER SIDDLEY	FG 2370/1	NX3F	400 MVA	ALL MISSING	LV	DIRTY	Y	DIRTY	SPIDERS	–	Y	–	Y	Y	N	N	Y	SOME	RUSTED	DIRTY	N	Y
55. DE VILLIERS MS	333	–	GEC POWER DIST.	80/T3F6890	T3/OF	350 MVA	Y	–	RUSTY	Y	CANT ACCESS	SPIDERS	–	Y	–	Y	Y	N	N	–	–	RUSTED	N	Y	-
56 EIKENBOSH MS	334	–	GEC POWER DIST.	18069	T3/OF	350 MVA	DANGER SIGNS	LV	RUSTY AND FADED PAINT	Y	REPAINT	LIZARDS AND SPIDERS	–	Y	–	Y	Y	Y (LV EXPOSED)	N	Y	N	RUSTED	Y	N	-
57 LAVANDA MS	335	–	LACY SWICHGEAR	LRS 679/1	FRMU MK1A	–	FADED DANGER SIGNS	–	REPAINT AND RUSTED	OLD	REPAINT	SPIDERS	–	Y	–	Y	Y	N	N	Y	–	Y	N	N	-
58 HOSPITAAL RMU	336	–	LONG AND CRAWFORD	T3GF3701495	T3GF3	250 MVA	ON GATE	–	–	OLD	–	–	–	Y	–	–	–	N	–	–	–	N	N	N	-
59 THE MERRIMAN MS	337	–	ABB	20062265950021	SAFERING CCV	21 KA	Y	–	DIRTY, PAINT FADED	OLD	PAINT CHIPPED	SPIDERS	–	Y	N	Y	Y	N	N	Y	–	N	Y	Y	-
60 NEETHLING HUIS RMU	338	–	YORKSHIRE SWITCHGEAR	R 2 546	TYKE 2 RMU	–	ON GATE	–	–	Y	–	–	–	Y	–	–	–	N	–	–	–	Y	Y	N	-
61 DE CAMERON MS	339	–	ABB	20082326322001	SAFERING C,CCV,V	21 KA	DANGER SIGNS	–	PAINT FADED	OLD	COVERED BY TREES	SPIDERS	–	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y
62 BERGVILLE MS	340	–	ON LABEL	NO LABEL	NO LABEL	–	FADED DANGER SIGNS	LV	PAINT FADED	Y	REPAINT	–	–	–	–	Y	Y	Y (LV EXPOSED)	N	–	N	Y	Y	N	-
63 DE WAAL MS	341	–	W.LUCY	84/2874/11	FRMU MK1	–	FADED DANGER SIGNS	–	PAINT FADED	Y	REPAINT	SPIDERS	2 MISSING	Y	–	Y	Y	N	N	Y	–	Y	Y	N	-
64 DE WATERGRACHT MS	343	–	W.LUCY	JG 1619/3	FRMU MK1	–	Y	–	RUSTED AND DIRTY	Y	PAINT CHIPPED	SPIDERS	–	Y	–	Y	Y	N	N	Y	–	N	Y	N	-
65 HULLET MS	344	–	MERLING GERIN RM6	R06392155F	RM6	21 KA	FADED DANGER SIGNS	–	RUSTY	N	REPAINT	LIZARDS AND SPIDERS	1 MISSING	Y	Y	Y	Y	N	N	Y	–	N	Y	N	-
66 ICA MS	345	–	SCHNEIDER ELECTRIC RM6	SB/2009/W46/5/0053	NE2ID	21KA	FADED DANGER SIGNS	LV	MV BURNT	Y	REPAINT	SPIDERS	–	Y	Y	Y	Y	Y(LV EXPOSED)	N	Y	N	Y	Y	N	-
67 PAPPEGAAIBERG IND PARK 2 MS	346	–	HAWKER SIDDLEY	FG 335216	NX3F	400 MVA	NOT LEGIBLE	LV	RUSTY	OLD	DIRTY	SPIDERS	–	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	Y	N	Y	Y	-
68 PLANKEN MS	347	–	ABB	2007 2317300007 B130CCV	SAFERING CCV	221KA	Y	–	REPAINT	OLD	PAINT CHIPPED	SPIDERS	–	Y	Y	Y	Y	N	N	Y	–	N	Y	N	-
69 PAPPEGAAIBERG 3	348	–	HAWKER SIDDLEY	FG 335219	NX3F	400 MVA	Y	–	REPAINT	–	PAINT CHIPPED	SPIDERS	2 MISSING	Y	–	Y	Y	N	N	Y	–	N	Y	Y	-
70 WINPRINT MS	349	–	W.LUCY	JC 1516/3	FRMU ML1A	–	FADED DANGER SIGNS	–	DIRTY	Y	PAINT CHIPPED	SPIDERS	–	Y	–	Y	Y	N	N	Y	–	N	N	N	-
71 PAPPEGAAIBERG IND PARK 5 MS	350	–	HAWKER SIDDLEY	FG 2919/9	NX3F	400 MVA	FADED DANGER SIGNS	–	REPAINT	OLD	REPAINT	SPIDERS AND GRASS	–	Y	–	Y	Y	N	N	Y	–	N	Y	N	-
72 LINTON MS	351	–	REYROLLE	3F/OKSS/X2/398	OKSS.GEAR	350 MVA	ALL MISSING	LV	REPAINT	2 MISSING	PAINT PEELING	SPIDERS AND GRASS	–	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	N	Y	Y	N	-
73 BRIDGE 1 MS	352	–	HAWKER SIDDLEY	FG 3217/3	NX3F	400 MVA	DANGER SIGNS	LV	REPAINT	Y	PAINT CHIPPED	SPIDERS	2 MISSING	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	–	Y	Y	N	-
74 BRIDGE 2 MS	353	–	HAWKER SIDDLEY	FG 3646/47	NX3F	400 MVA	FADED DANGER SIGNS	–	REPAINT	OLD	REPAINT	SPIDERS	2 MISSING	Y	–	–	Y	N	N	Y	–	N	Y	N	-
75 PAPPEGAAIBERG 1 MS	354	–	HAWKER SIDDLEY	FG 3352/7	NX3F	400 MVA	FADED DANGER SIGNS	LV	REPAINT	OLD	REPAINT	SPIDERS	2 MISSING	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	–	N	Y	Y	-
76 RAND MS	355	–	ISOLATORS	ISOLATORS	ISOLATORS	–	FADED DANGER SIGNS	LV	REPAINT, RUSTY	OLD	PAINT CHIPPED	SPIDERS	–	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	Y	Y	Y	Y	-
77 VW RAND STR MS	356	–	ABB	20052193440005	SAFERING CCV	21KA	Y	–	DIRTY	OLD	PAINT CHIPPED	SPIDERS	–	Y	–	Y	Y	N	N	Y	–	N	N	Y	-
78 STOFFEL SMIT MS 1	357	–	W.LUCY	84/2874/3	FRMU ML1A	–	FADED DANGER SIGNS	LV	DIRTY	OLD	REPAINT	SPIDERS	1 MISSING	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	Y	Y	N	N	-
79 STOFFEL SMIT MS 2	358	–	REYROLLE	3E/OKSS/X2/233	OKSS.GEAR	350 MVA	Y	LV	RUSTY, MV BENT	OLD	RUSTED	SPIDERS	1 GAP	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	SOME	Y	Y	N	-
80 SIMONSBERG RMU	359	–	ABB	201211073670001	SAFEPLUS CCV,V,C	–	Y	–	Y	Y	–	Y	–	Y	Y	Y	Y	N	N	Y	–	N	N	N	-
81 MERITECH RMU	360	–	LOCKED	LOCKED	LOCKED	–	Y	–	Y	Y	Y	GRASS	–	Y	–	–	–	N	–	–	–	–	Y	Y	-
82 GEORGE BLAKE NOORD MS	361	–	GEC POWER DIST.	14676	T3/OF	350 MVA	DANGER SIGNS	LV	REPAINT AND RUBBER FALLING OFF	Y	REPAINT	SPIDERS	–	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	–	N	Y	N	-
83 GEORGE BLAKE SUID MS	362	–	GEC POWER DIST.	26571	T3/OF	350 MVA	FADED DANGER SIGNS	LV	REPAINT	OLD	REPAINT	SPIDERS	–	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	–	N	Y	N	-
84 BASSIE MS	364	–	ISOLATORS	ISOLATORS	ISOLATORS	–	DANGER SIGNS	LV	REPAINT	OLD	REPAINT	Y	–	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	Y	N	Y	Y	-
85 MASITHANDANE MS	365	–	GEC POWER DIST.	15174	T3/OF	350 MVA	FADED DANGER SIGNS	–	REPAINT	OLD	REPAINT	SPIDERS	–	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	–	Y	Y	N	-
86 WATERGANG MS	366	–	ABB	20062247550008	SAFERING CCV	–	FADED DANGER SIGNS	LV	REPAINT	Y	REPAINT	SPIDERS	–	Y	Y	Y	Y	Y(LV EXPOSED)	N	Y	–	N	Y	Y	-
87 WATERGANG 3 MS	367	–	ABB	20062247550010 B130CCV	SAFERING CCV	–	Y	LV	REPAINT	OLD	REPAINT	SPINDERS	–	Y	Y	Y	Y	Y(LV EXPOSED)	N	Y	SOME	N	Y	N	N
88 WATERGANG 2 MS	368	–	NO LABEL	NO LABEL	NO LABEL	–	Y	–	REPAINT	OLD	REPAINT	SPIDERS	–	Y	Y	Y	Y	N	N	Y	–	N	Y	Y	N
89 NEW WATERGANG MS	369	–	SCHNEIDER ELECTRIC RM6	SB/2006/W45/5/0037	NE21D	21 KA	Y	–	DIRTY	Y	Y	SPIDERS	–	Y	Y	Y	Y	N	N	Y	–	N	N	N	N

	Address/Location	Mini Ring Network	Make	Serial Number	Type	Rating	Overall Signage and Warning Notices (Y/N)	Phase Colour Coding Tags	Condition of all Doors	Condition and Availability of Locks	Condition of Cooling Fins	Grass and Vermin Proofing in Good Condition (Y/N)	Roof Bolts in Good Condition and No Open Gaps	Operating Handle on Site (Y/N)	SF6 Gas Pressure (Where Applicable) gY/N)	Overall Earthing in Contact (Y/N)	LV Breakers Mounted Properly	Safety Barriers in Place and No Live Connections Exposed	Loose Connections on LV Breakers (Y/N)	MV Safety Barrier Fitted (Y/N)	Phase Barrier Boards are Fitted between Phases	Repaint Inside (Y/N)	Repaint Outside (Y/N)	Grass to be Removed from Inside/Outside Minisub (Y/N)	Backfilling need Attention (Y/N)
90 WATERGANG MS	370	–	HAWKER SIDDLEY	FG 4645/17	NX3F	350 MVA	FADED DANGER SIGNS	–	REPAINT	OLD	REPAINT	SPIDERS	–	Y	–	Y	Y	N	N	Y	–	N	Y	Y	N
91 WATERGANG RMU	371	–	LONG AND CRAWFORD	T3GF3762953	T3GF3	–	TOO SMALL	–	DIRTY	Y	Y	SPIDERS	–	–	–	–	N	–	–	–	–	Y	Y	Y	N
92 MOUNT SIMON 2 MS	372	–	ABB	20062244840010 B130CCV	SAFERING CCV	21 KA	Y	LV	REPAINT	OLD	–	SPIDERS	–	Y	Y	Y	Y	N	N	Y	Y	N	Y	Y	N
93 MOUNT SIMON RMU	373	–	SCHNEIDER ELECTRIC RM6	SB/2012/W16/2/0064	NEIDI	21 KA	Y	–	Y	Y	Y	SPIDERS	–	Y	Y	–	–	N	–	–	–	Y	Y	Y	N
94 MOUNT SIMON 1 MS	374	–	SCHNEIDER ELECTRIC RM6	SB/2011/W09/3/0045	NEIDI	21 KA	Y	–	Y	OLD	WASP NEST	SPIDERS	–	Y	Y	Y	Y	N	N	Y	–	N	N	Y	N
95 A2A MS	375	–	W.LUCY	JC1703/1	FRMU ML1A	–	FADED DANGER SIGNS	–	REPAINT	Y	REPAINT	SPIDERS	–	Y	–	Y	Y	N	N	Y	–	N	Y	N	N
96 A4 MS	376	–	HAWKER SIDDLEY	FG 6466/12	NX3F	350 MVA	FADED DANGER SIGNS	–	MV HINGES BROKEN	–	COVERED BY TREES	SPIDERS AND GRASS	–	Y	–	Y	Y	N	N	Y	–	N	Y	Y	N
97 A3 MS	377	–	HAWKER SIDDLEY	FG 4661/11	NX3F	350 MVA	FADED DANGER SIGNS	–	REPAINT	OLD	REPAINT	SPIDERS AND GRASS	–	Y	–	Y	Y	N	N	Y	–	N	Y	N	N
98 SECURITY GATE C8 MS	378	–	HAWKER SIDDLEY	FG 3999/1	NX3F	400 MVA	FADED DANGER SIGNS	–	REPAINT	Y	PAINT CHIPPED	SPIDERS AND GRASS AND WASP NEST	2 MISSING	Y	–	Y	Y	N	N	Y	–	Y	Y	N	N
99 C2 MS	379	–	HAWKER SIDDLEY	FG 4006/4	NX3F	400 MVA	FADED DANGER SIGNS	–	REPAINT, MV BENT	OLD	PAINT CHIPPED	SPIDERS	2 MISSING	Y	–	Y	Y	N	N	Y	–	Y	Y	N	N
100 HOLLY OAK MS	380	–	ISOLATORS	ISOLATORS	ISOLATORS	–	FADED DANGER SIGNS	–	REPAINT, RUBBER TEARING	OLD	REPAINT	SPIDERS	–	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	–	N	Y	N	N
101 CHESTNUT MS	381	–	HAWKER SIDDLEY	–	NX3F	400 MVA	FADED DANGER SIGNS	–	REPAINT	Y	PAINT CHIPPED	SPIDERS AND GRASS AND WASP NEST	–	Y	–	Y	Y	N	N	Y	–	N	Y	N	-
102 MOUNTAIN SILVER MS	382	–	HAWKER SIDDLEY	FG 3565/5	NX3F	400 MVA	FADED DANGER SIGNS	–	REPAINT	Y	REPAINT	WASPS AND GRASS	2 MISSING	Y	–	Y	Y	N	N	Y	–	N	Y	Y	N
103 B1 MS (CHERRYWOOD)	383	–	HAWKER SIDDLEY	NOT LEGIBLE	NX3F	400 MVA	FADED DANGER SIGNS	–	REPAINT	OLD	REPAINT	SPIDERS AND GRASS	–	Y	–	Y	Y	N	N	Y	–	N	Y	N	N
104 A2 MS	384	–	HAWKER SIDDLEY	NOT LEGIBLE	NX3F	400 MVA	FADED DANGER SIGNS	–	REPAINT, RUBBER TEARING	OLD	PAINT CHIPPED	SPIDERS	–	Y	–	Y	Y	N	N	Y	–	N	Y	N	N
105 A1 MS (KATBOS)	385	–	HAWKER SIDDLEY	FG 4878/2	NX3F	400 MVA	FADED DANGER SIGNS	–	REPAINT	OLD	PAINT CHIPPED	SPIDERS AND GRASS	1 MISSING	Y	–	Y	Y	N	N	Y	–	N	Y	N	N
106 C1 MS	386	–	HAWKER SIDDLEY	FG 4006/2	NX3F	400 MVA	FADED DANGER SIGNS	–	REPAINT	OLD	PAINT PEELING	SPIDERS	–	Y	–	Y	Y	N	N	Y	–	N	Y	N	N
107 C3 MS (BELLA DONNA)	387	–	HAWKER SIDDLEY	NOT LEGIBLE	NX3F	400 MVA	FADED DANGER SIGNS	–	REPAINT, RUSTY HANDLE	OLD	PAINT CHIPPED	SPIDERS AND GRASS	–	Y	–	Y	Y	N	N	Y	–	N	Y	N	N
108 C9 MS	388	–	HAWKER SIDDLEY	NOT LEGIBLE	NX3F	400 MVA	FADED DANGER SIGNS	–	REPAINT	OLD	REPAINT	SPIDERS AND WASPS	2 MISSING	Y	–	Y	Y	N	N	Y	–	N	Y	Y	N
109 C7 MS	389	–	HAWKER SIDDLEY	NOT LEGIBLE	NX3F	400 MVA	FADED DANGER SIGNS	–	REPAINT	OLD	PAINT CHIPPED	LIZARDS AND SPIDERS	–	Y	–	Y	Y	N	N	Y	–	N	Y	N	N
110 C4 MS	390	–	HAWKER SIDDLEY	NOT LEGIBLE	NX3F	400 MVA	FADED DANGER SIGNS	–	REPAINT	OLD	REPAINT	SPIDERS	1 MISSING	Y	–	Y	Y	N	N	Y	–	N	Y	N	N
111 HENDRIKSE MS	391	–	HAWKER SIDDLEY	FG 3654/11	NX3F	400 MVA	ALL MISSING	–	REPAINT	OLD	REPAINT	SPIDERS	1 MISSING	Y	–	Y	Y	N	N	Y	–	N	Y	Y	N
112 NUUTGEVONDEN MS	392	–	ABB	201211023670004	SAFERING C,CCV,V	21 KA	Y	–	DIRTY	Y	DIRTY	SPIDERS	–	Y	Y	Y	Y	N	N	Y	–	N	N	N	N
113 STELLENBOSH MOTORS MS	393	–	NOT LEGIBLE	NOT LEGIBLE	NOT LEGIBLE	–	REPAINT	–	REPAINT	MISSING	REPAINT	SPIDERS	–	Y	–	Y	Y	N	N	Y	–	N	Y	N	-
114 DR MALAN RMU	394	–	LONG AND CRAWFORD	T3GF324359	T3GF3	–	ALL MISSING	–	–	OLD	–	–	RUSTED	Y	Y	–	–	–	–	–	–	N	N	Y	N
115 PRINCEPARK MS	395	–	GEC POWER DIST.	13690	T3/OF	350 MVA	FADED DANGER SIGNS	–	REPAINT	Y	REPAINT	SPIDERS AND GRASS	–	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	Y	N	Y	N	N
116 DIE RAND RMU	396	–	HAWKER SIDDLEY	FG 95114	TIGER 350	350 MVA	Y	–	Y	Y	–	SPIDERS AND GRASS	ALL MISSING	Y	–	Y	Y	N	N	Y	Y	N	N	N	N
117 DIE RAND MS	397	–	NO SWITCHGEAR	NO SWITCHGEAR	NO SWITCHGEAR	–	ALL MISSING	–	REPAINT	OLD	RUSTED	SPIDERS	–	–	–	Y	Y	Y(LV EXPOSED)	N	Y	N	N	Y	N	N
118 MAESLAND MS	399	–	GEC POWER DIST.	15109	T3/OF	350 MVA	ONE MISSING	LV	REPAINT	Y	–	LIZARDS AND SPIDERS	–	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	N	N	Y	N	N
119 VILA ROUX MS	400	–	SCHNEIDER ELECTRIC RM6	SB/2009/W33/4/0033	NE2ID	21 KA	FADED DANGER SIGNS	–	DIRTY	OLD	DIRTY	SPIDERS	–	Y	Y	Y	Y	N	N	Y	–	N	N	N	N
120 BASTMOLEN MS	401	–	GEC POWER DIST.	16593	T3/OF	350 MVA	FADED DANGER SIGNS	LV	REPAINT	Y	REPAINT	SPIDERS AND GRASS	–	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	N	Y	N	Y	N
121 MANK MS	402	–	GEC POWER DIST.	16587	T3/OF	350 MVA	ALL MISSING	LV	REPAINT	OLD	–	SPIDERS AND GRASS	–	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	–	Y	Y	Y	-
122 MARKET MS	403	–	SCHNEIDER ELECTRIC RM6	0840215F	NEIDI	21 KA	DANGER SIGNS	–	DIRTY	OLD	PAINT PEELING	SPIDERS	–	Y	Y	Y	Y	N	N	Y	–	N	N	N	N
123 JOLES PARK MS	404	–	–	–	–	–	FADED DANGER SIGNS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Y	–	-
124 DORP/PAPAGAAI MS	405	–	GEC POWER DIST.	25459	T3/OF	350 MVA	FADED DANGER SIGNS	–	SCRATCHES	Y	–	SPIDERS	–	Y	–	Y	Y	N	N	Y	–	N	N	N	Y
125 ALEXANDER FORBES MS	406	–	HAWKER SIDDLEY	FG 3474/1	NX3F	400 MVA	ALL MISSING	LV	RUSTY HADLE	Y	–	SPIDERS	–	Y	–	Y	Y	N	N	Y	Y	Y	Y	N	N
126 STELLENRYK MS (NO HOUSING	407	–	LONG AND CRAWFORD	NOT LEGIBLE	T3GF3	–	ALL MISSING	LV	REPAINT	OLD	PAINT PEELING	SPIDERS	RUSTED	Y	–	Y	Y	Y(LV EXPOSED)	Y	Y	N	Y	Y	Y	N
127 STILLEWATERS	408	–	GEC POWER DIST.	16585	T3/OF	350 MVA	FADED DANGER SIGNS	–	REPAINT	OLD	REPAINT	GRASS AND SPIDERS	–	Y	–	Y	Y	N	N	Y	N	Y	Y	N	Y
128 SPORTS INSTITUTE MS	409	–	SCHNEIDER ELECTRIC RM6	SB/2010/W16/5/0065	NE2ID	21 KA	Y	–	HADLE RUSTED	Y	–	SPIDERS	–	Y	Y	Y	Y	N	N	Y	–	N	N	N	N
129 BLOEMHOF RMU	410	–	LONG AND CRAWFORD	T4GF3751520	T4GF3	–	ALL MISSING	–	–	Y	–	–	RUSTED	Y	–	Y	Y	N	N	Y	–	N	Y	Y	N
130 BLOEMHOF MS	411	–	BUSHING OPEN	BUSHIHG OPEN	BUSHING OPEN	–	Y	LV	RUSTY	Y	DEWEED	LIZARDS AND SPIDERS	–	–	–	Y	Y	Y(LV EXPOSED)	N	Y	N	N	N	Y	N
131 SUIDWAAL MS	412	–	SCHNEIDER ELECTRIC RM6	SB/2010/W09/4/0034	NE2ID	–	Y	–	DIRTY	Y	REMOVE WASP NES	SPIDERS	–	Y	Y	Y	Y	N	N	Y	–	N	N	N	N
132 DE OEWER MS	413	–	HAWKER SIDDLEY	FG 2138/18	NX3F	400 MVA	Y	LV	DIRTY	Y	DIRTY	SPIDERS	Y	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	–	N	N	Y	Y
133 KWEEKSKOOL MS	414	–	ABB	201311320940001	SAFEPLUS CCV,V,C	21 KA	Y	–	Y	OLD	SCRATCHES	SPIDERS	–	Y	Y	Y	Y	N	N	Y	–	N	N	N	N
134 NH KERK MS	415	–	HAWKER SIDDLEY	NOT LEGIBLE	NX3F	400 MVA	Y	–	REPAINT	Y	REPAINT	SPIDERS	–	Y	–	Y	Y	N	N	Y	–	N	Y	Y	N
135 AMADEUS	417	–	HAWKER SIDDLEY	FG 95/2	TIGER 350	350 MVA	FADED DANGER SIGNS	LV	REPAINT	Y	REPAINT	SPIDERS	–	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	–	N	Y	N	N
136 MC DONALD MS	419	–	HAWKER SIDDLEY	FG 4449/6	NX3F	400 MVA	Y	–	Y	Y	Y	ANTS	1 MISSING	Y	–	Y	Y	N	N	Y	–	N	N	N	N
137 LA DAUPHINE	420	–	HAWKER SIDDLEY	FG 2052/31	NX3F	400 MVA	DANGER SIGNS	–	REPAINT	Y	REPAINT	SPIDERS	–	Y	–	Y	Y	N	N	Y	–	N	Y	N	N
138 SONNEBLOM MS	421	–	HAWKER SIDDLEY	FG 3469/8	NX3F	400 MVA	FADED DANGER SIGNS	–	REPAINT	OLD	PAINT CHIPPED	GRASS AND SPIDERS	2 MISSING	Y	–	Y	Y	N	N	Y	–	N	Y	Y	N
139 HELSHOOGTE MS	422	–	BUSHING OPEN	BUSHIHG OPEN	BUSHING OPEN	–	FADED DANGER SIGNS	LV	REPAINT	–	REPAINT	SPIDERS	–	–	–	Y	Y	Y(LV EXPOSED)	N	Y	Y	N	Y	N	N
140 7/11 MS	423	–	LONG AND CRAWFORD	T3GF3748937	T3GF3	–	Y	–	Y	Y	–	SPIDERS	–	Y	–	Y	Y	N	N	Y	–	N	N	N	N
141 DORP 98 RMU	424	–	HAWKER SIDDLEY	FG 4054/1	NX3F	400 MVA	ALL MISSING	–	–	RUSTY	–	–	–	Y	Y	N	N	Y(LV EXPOSED)	Y	Y	–	N	Y	Y	N
142 LA GRATITUDE MS	425	–	ABB	201311355240002	SAFEPLUS CCV,V,C	21 KA	Y	LV	Y	Y	DIRTY	–	–	Y	Y	Y	Y	Y(LV EXPOSED)	N	Y	Y	N	N	N	N
143 VOORGELEGEN MS	426	–	GEC POWER DIST.	82/T3F/10512	T3/OF	350 MVA	FADED DANGER SIGNS	LV	REPAINT	RUSTY	REPAINT	SPIDERS	–	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	N	N	Y	N	N
144 D'OUWE WERF MS	427	–	NOT LEGIBLE	NOT LEGIBLE	NOT LEGIBLE	–	Y	LV	–	Y		SPIDERS	–	–	–	–	Y	Y(LV EXPOSED)	N	Y	–	N	Y	-	-
145 LOUW MS	428	–	ABB	200910157580012	SAFERING	21 KA	Y	–	HADLE RUSTED	OLD	PAINT CHIPPED	–	–	Y	–	Y	Y	N	N	Y	Y	N	N	N	N
146 TRUMALI RMU	430	–	HAWKER SIDDLEY	FG 3211/1	NX3F	400 MVA	ALL MISSING	–	DIRTY	–	–	SPIDERS	–	Y	–	Y	Y	N	N	Y	–	N	Y	N	N
147 BRANDWACHT RMU	432	–	RED LOCK	RED LOCK	RED LOCK	–	Y	–	–	Y	–	–	–	–	–	–	–	–	–	–	–	–	N	–	-
148 ELSIE DU TOIT MS	433	–	RED LOCK	RED LOCK	RED LOCK	–	Y	–	DIRTY	OLD	DIRTY	SPIDERS	–		–	Y	Y	N	N	–	–	N	N	N	N
149 RIVER 2 MS	439	–	RED LOCK	RED LOCK	RED LOCK	–	Y	–	DIRTY	Y	RUSTED	WASP'S AND GRASS	–		–	Y	Y	N	N		–	N	N	Y	N
150 RIVER 1 MS	440	–	–	–	–	–	Y	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	-
151 STELLENBOSH GOLF CLUB MS	441	–	W.LUCY	JC 1633/5	FRMU MK1A	–	FADED DANGER SIGNS	–	REPAINT	–	REPAINT	SPIDERS	–	Y	–	Y	Y	N	N	Y	Y	N	Y	N	N
152 BOORD MS	442	–	ABB	201311174520004	SAFEPLUS CCV,V,C	21 KA	Y	–	Y	Y	PAINT CHIPPED	Y	–	Y	Y	Y	Y	N	N	Y	–	N	N	N	N
153 DE BOSCH MS	443	–	ABB	20062244840016	SAFERING CCV	21 KA	Y	–	Y	OLD	Y	SPIDERS	–	Y	Y	Y	Y	N	N	Y	–	N	N	N	N
154 CEMETERY RMU	444	–	LONG AND CRAWFORD	T4GF3751077	T4GF3	–	Y	–	DIRTY	–	–	SPIDERS	–	Y	–	Y	Y	N	N	Y	–	N	N	N	N
155 CEMETERY MS	445	–	W.LUCY	JC 1633/4	FRMU MK1A	–	FADED DANGER SIGNS	LV	DIRTY	Y	PAINT CHIPPED	SPIDERS	–	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	Y	N	N	N	N
156 VINEYARD MS	446	–	ABB	201311357720003	SAFEPLUS CCV,V,C	21KA	Y	–	Y	Y	DENTED	Y	Y	Y	Y	Y	Y	N	N	Y	–	N	N	N	N
157 BETTANA MS	447	–	GEC POWER DIST.	21984	T3/OF	350 MVA	FADED DANGER SIGNS	LV	REPAINT	Y	REPAINT	SPIDERS	–	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	N	N	Y	N	Y
158 SIMONSRUST 2 MS	448	–	HAWKER SIDDLEY	FG 4332/4	NX3F	400 MVA	FADED DANGER SIGNS	LV	REPAINT	Y	PAINT CHIPPED	SPIDERS	–	Y	–	Y	Y	N	N	Y	–	N	Y	Y	N
159 STELLENBOSH HOERSKOOL MS	450	–	BUSHING OPEN	BUSHIHG OPEN	BUSHING OPEN	–	ALL MISSING	–	REPAINT	OLD	PAINT CHIPPED	SPIDERS	–	–	–	Y	Y	N	N	Y	–	N	N	N	N
160 SIMONSRUST 1 MS	449	–	HAWKER SIDDLEY	FG 4211/49	NX3F	400 MVA	FADED DANGER SIGNS	LV	REPAINT	Y	REPAINT	SPIDERS	2 MISSING	Y	–	Y	Y	N	N	Y	–	N	Y	Y	N
161 HUIS DE PREEZ MS	451	–	LONG AND CRAWFORD	T3GF3759662	T3GF3	–	ALL MISSING	–	–	MISSING		SPIDERS	–	Y	–	–	–	N	–	–	–	N	N	Y	N
162 TR BDI POMP (RIVERBOSCH)	452	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	-
163 ZAANSWYK MS	453	–	RED LOCK	RED LOCK	RED LOCK	–	Y	LV	REPAINT	Y	REPAINT	SPIDERS	–		–	Y	Y	Y(LV EXPOSED)	N	–	N	Y	Y	Y	N
164 BARTLETT MS	454	–	NO LABEL	NO LABEL	NO LABEL	–	Y	LV	Y	Y	REPAINT	SPIDERS	–	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	–	N	N	Y	-
225 WELDERHUF	455	–	HAWKER SIDDLEY	NOT LEGIBLE	NX3F	400 MVA	ALL MISSING	LV	RUBBER WEARING OFF	OLD	PAINT CHIPPED	ANTS	2 MISSING	Y	–	Y	Y	Y(LV EXPOSED)	N	Y	–	N	Y	N	-
242 SANTHAGEN RMU	456	–	ABB	2007 2316550004 B130CCV	SAFERING CCV	–	DAMAGED, OLD	–	REPAINT	OLD	–	Y	Y	Y	Y	–	–	N	–	Y	–	Y	Y	N	-
285 LONG 6 MS (NO LABEL	457	–	CAN'T OPEN	CAN'T OPEN	CAN'T OPEN	–	ALL MISSING	LV	RUSTY	OLD	REPAIRT	GRASS	–	–	–	Y	Y	Y(LV EXPOSED)	N	–	Y	Y	Y	Y	–
286 MDALA 1 MS	458	–	CAN'T OPEN	CAN'T OPEN	CAN'T OPEN	–	ALL MISSING	–	STUCK	OLD	REPAIRT	–	–	–	–	–	–	–	–	–	–	–	–	–	–
287 STELPARK	459	–	GEC POWER DIST.	T8T3F3800	TE/OF	350 MVA	FADED DANGER SIGNS	–	REPAINT	OLD	REPAIRT	Y	1 MISSING	Y	–	Y	Y	N	N	Y	–	N	Y	Y	–
ELCKERLJIC MS	460	–	GEC POWER DIST.	14917	T3/OF	350 MVA	Y	–	Y	Y	–	SPIDERS	–	Y	–	Y	Y	N	N	Y	Y	N	N	N	N
LUBBE MS	465	–	ASEA	72788		315 KVA	T	LV	Y	Y	–	N	–	Y	–	Y	Y	N	N	Y	Y	Y	Y	N	N
JONKERZIGHT	468	–	DETRA POWER MARTIA	2.00823E+13	SAFERING CCV	415 KA	Y	–	Y	Y	–	SPIDERS	–	Y	–	Y	Y	N	N	Y	Y	Y	Y	N	N
BEYERSHOF	469	–	GEC POWER DIST.	25569	T3/OF	350 MVA	Y	–	REPAINT	Y	–	N	–	Y	–	Y	Y	N	N	Y	Y	N	Y	N	N
		–				–		–				SPIDERS	–		–			Y(LV EXPOSED)			–				–

	Address/Location	Mini Ring Network	Make	Serial Number	Type	Rating	Overall Signage and Warning Notices (Y/N)	Phase Colour Coding Tags	Condition of all Doors	Condition and Availability of Locks	Condition of Cooling Fins	Grass and Vermin Proofing in Good Condition (Y/N)	Roof Bolts in Good Condition and No Open Gaps	Operating Handle on Site (Y/N)	SF6 Gas Pressure (Where Applicable) gy/(N)	Overall Earthing in Contact (Y/N)	LV Breakers Mounted Properly	Safety Barriers in Place and No Live Connections Exposed	Loose Connections on LV Breakers (Y/N)	MV Safety Barrier Fitted (Y/N)	Phase Barrier Boards are Fitted between Phases	Repaint Inside (Y/N)	Repaint Outside (Y/N)	Grass to be Removed from Inside/Outside Minisub (Y/N)	Backfilling need Attention (Y/N)
LATSLY MS	470	–	DETRA POWER MARTIA	20 082 326 320 008	ABB	21KA	Y	-	Y	Y	PAINT CHIPPED	SPIDERS	-	Y	–	Y	Y	N	Y	Y	Y	Y	Y	N	N
TE HUIS MS	472	–			SL761C 010	–	Y	–	REPAINT	Y	PAINT CHIPPED	SPIDERS	–	–	–	–	Y	–	–	–	–	Y	Y	N	–
DE CANYA MS	473	–	POWER ENGINEER	22857		315KVA	N	LV	RUSTED	Y	N	SPIDERS	–	Y	–	–	Y	N	N	Y	Y	Y	Y	N	N
PARMALAT RMU	474	–	ABB	2.01211E+13	SAFEPLUS CCV	21 KA	Y	–	Y	Y	N	N	–	Y	Y	Y	Y	N	N	Y	–	Y	Y	N	N
BULESIA TRF (CAN'T READ WRITING)	475	–	POWER TRANSFORMER	JP11227		500 KVA	N	–	–	–	Y	N	–	–	–	Y	–	N	N	N	N	N	N	N	N
ECCLESIA RMU	476	–	LUCY	LRS 1500	FRMU MK1A	11 KVA	–	–	–	–		N	–	–	–	Y	–	–	–	–	–	Y	Y	N	N
HAD TO CHANGE ADDRESS/LOCATION																									

Basis Notes

1. The condition assessment was only a visual assessment from the ground (ie no tests were conducted nor samples taken) under energised conditions.
2. Obsolete MV switchgear is due to the manufacturer no longer manufacturing the product range.

Abbreviations

Acc - Ac Not Acc - Not Acceptable
Ad - Ade Not Av - Not Available
Av - Ava "-" - Not Applicable
B - Bad Ob- Obsolete
Be - Bel Oil le- Oil leakage
Bi - Bird Ru- Rust
Dis - Dis Veg- Vegetation
Er - Eros Va - Vacuum
G - Goo No - Not Visible
Inad - In * - Not commissioned
MI - Mis ** - Remote switching facility available

FRANSCHHOEK CONDITION ASSESMENT - MINIATURE SUBSTATION SUMMARY TABLE

	Address/Location	Mini Ring Network	Make	Serial Number	Type	Rating	Overall Signage and Warning Notices (Y/N)	Phase Colour Coding Tags	Condition of all Doors	Condition and Availability of Locks	Condition of Cooling Fins	Grass and Vermin Proofing in Good Condition (Y/N)	Roof Bolts in Good Condition and No Open Gaps	Operating Handle on Site (Y/N)	SF6 Gas Pressure (Where Applicable) gY/N)	Overall Earthing in Contact (Y/N)	LV Breakers Mounted Properly	Safety Barriers in Plae and No Live Connections Exposed	Loose Connections on LV Breakers (Y/N)	MV Safety Barrier Fitted (Y/N)	Phase Barrier Boards are Fitted between Phases	Repaint Inside (Y/N)	Repaint Outside (Y/N)	Grass to be Removed from Inside/Outside Minisub (Y/N)	Backfilling need Attention (Y/N)
DUSSENBERG - SAFERING	475	–	ABB	–	SAFEPLUS C	21 KA	Y	–	Y	Y	Y	Y	–	Y	–	Y	Y	N	N	Y	Y	N	N	N	N
DASSENBERG MS	474	–	POWER ENGINEERS	224782	–	–	N	–	Y	Y	Y	SPIDERS	Y		–	Y	Y	N	N	Y	–	N	Y	N	N
DASSENBERG MS	476	–	POWER TRANSFORMERS	JM 5622	–	–	Y	–	Y	Y	Y	Y	Y	Y	–	Y	Y	N	N	Y	Y	N	N	N	N
LA PROVANCE MS	486	–	–	–	–	315 KVA	Y	–	Y	Y	Y	N	REPAINT	–	–	Y	Y	N	N	–	–	N	Y	N	N
HAUMAN MS	487	–	–	–	–	150 KVA	Y	–	–	–	PAINT CHIPPED	–	–	–	–	–	–	–	–	–	–	–	Y	–	–
HAUMAN - SAFERING	487	–	ABB	–	–	21 KA	Y	–	Y	Y	–	N	Y	–	–	–	–	–	–	–	–	N	N	N	N
UITKYK MS	488	–	ABB	30565201/01	SAFEPLUS CCV	500 KVA	Y	–	Y	Y	Y	SPIDERS	Y	Y	–	Y	Y	N	N	Y	Y	N	N	N	N
HUGENOTE NCORD	489	–	–	–	–	400 KVA	Y	–	Y	Y	Y	SPIDERS	Y	–	–	Y	Y	N	N	Y	–	N	N	N	N
KERK MS	490	–	POWER TECH	20788501/01	–	500 KVA	Y	LV	Y	Y	Y	Y	Y	Y	–	Y	Y	N	N	Y	Y	N	N	N	N
ABSA MS	491	–	–	–	–	400 KVA	Y	LV	Y	Y	Y	SPIDERS	Y	Y	–	Y	Y	N	N	Y	Y	N	N	N	N
CABRIERE MS	492	–	POWER ENGINEERS	30529001/01	–	500 KVA	Y	LV	Y	Y	Y	GRASS	Y	Y	–	Y	Y	N	N	Y	–	N	Y	Y	N
KLEIN GARIERE MS	493	–	–	8/30284/A4	–	315 KVA	Y	Y	Y	Y	–	SPIDERS	–	Y	–	Y	Y	N	N	Y	Y	N	N	N	N
DE LA REY	494	–	DESTRA		SAFERING CCV	500 KVA	Y	–	Y	Y	Y	SPIDERS	N	Y	–	Y	Y	N	N	Y	Y	N	N	N	N
KRUGER MS	495	–	DESTRA POWER	–	–	500 KVA	Y	–	Y	Y	Y	SPIDERS	Y	Y	–	Y	Y	N	N	Y	–	N	Y	N	N
FABRIEK MS	496	–	–	8/30308/A4	–	500 KVA	Y	–	RUSTED	Y	Y	SPIDERS	Y	Y	–	Y	Y	N	N	Y	–	N	N	N	N
LA GARE MS	497	–	–	–	–	630 KVA	FADED SIGNS	LV	Y	Y	Y	SPIDERS	Y	Y	–	Y	Y	N	N	Y	Y	N	N	N	N
PAKSTOOR TRF	498	–	POWER ENGINEERS	AB 196	–	500 KVA	–	–	DOOR BROKEN	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PAKSTOOR RMU	498	–	LUCY	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LOUIS BOTHA MS	499	–	8/30283/A4	–	–	315 KVA	Y	–	Y	Y	Y	SPIDERS	Y	Y	–	Y	Y	N	N	Y	–	N	Y	N	N
SKOOL - SAFERING	500	–	–	–	–	–	Y	–	–	–	–	–	–	–	–	–	–	–	–	–	–	N	N	N	N
SKOOL MS	501	–	DESTRA POWER	80619101/01	–	500 KVA	Y	–	Y	Y	Y	SPIDERS	Y	Y	–	Y	Y	N	N	Y	–	N	N	N	N
MONUMENT RMU	502	–	–	–	–	–	Y	–	Y	Y	–	–	–	–	–	–	–	–	–	–	–	N	N	N	N
PARKLANE MS	503	–	DESTRA POWER	30614201/01	–	500 KVA	Y	–	Y	Y	–	SPIDERS	Y	–	–	–	–	–	–	Y	–	N	N	Y	–
DIRKIE UYS SUID MS	504	–	POWER ENGINEERS	20473001/01	–	400 KVA	FADED SIGNS	–	Y	Y	Y	SPIDERS	PAINT CHIPPED	Y	–	Y	Y	N	N	Y	Y	N	N	Y	N
SKOOL RMU	505	–	–	–	–	–	Y	–	Y	Y	–	SPIDERS	–	–	–	–	–	Y(LV EXPOSED)	–	–	–	–	–	N	N
LA ROCHELLE	506	–	POWER ENGINEERS	17288	–	160 KVA	Y	LV	PAINT CHIPPED	Y	PAINT CHIPPED	SPIDERS	N	Y	–	Y	–	–	–	Y	–	Y	Y	Y	N
TUIN MS	507	–	DESTRA POWER	30561801/01	–	500 KVA	FADED SIGNS	LV	DIRTY	Y	Y	SPIDERS	Y	Y	–	Y	Y	N	N	Y	Y	N	N	N	N
WPK MS	508	–	NEI TRANSFORMERS	20379301/01	–	400 KVA	ALL MISSING	–	DIRTY	Y	Y	SPIDERS	Y	–	–	Y	Y	N	N	Y	–	N	N	N	N
MED COST MS	510	–	–	–	–	500 KVA	Y	Y	RUBBER FALLING OUT	Y	Y	SPIDERS	Y	Y	–	Y	Y	N	N	Y	Y	N	N	N	N
HAMPTON SQUARE MS	511	–	–	–	–	200 KVA	FADED SIGNS	Y	RUSTED	Y	Y	SPIDERS	Y	Y	–	RUSTED	Y	N	N	Y	–	N	N	N	N
HAMPTON SQUARE RMU	511	–	–	–	–		Y	–	Y	–	–	–	–	–	–	–	–	–	–	–	–	–	–	N	N
VAN RIEBEECK	512	–	–	–	–	200 KVA	FADED SIGNS	–	Y	Y	Y	SPIDERS	Y	Y	–	Y	Y	N	N	Y	–	N	N	N	N
NERINA MS	513	–	MIN EE SUB	5836/40	–	180 KVA	Y	Y	REPAINT	Y	Y	SPIDERS	RUSED	Y	–	–	–	N	N	Y	Y	N	N	N	N
BAGATELLE MS	514	–	NEI TRANSFORMERS	20283404/01	–	400 KVA	Y	Y	Y	Y	Y	SPIDERS	Y	Y	–	Y	Y	N	N	Y	Y	N	N	N	N
BAGATELLE RMU	515	–	–	–	–	–	–	–	–	–	–	SPIDERS	–	–	–	–	–	Y(LV EXPOSED)	–	–	–	–	–	–	–
BERG STRAAT MS	516	–	DESTRA POWER	–	–	500 KVA	Y	Y	Y	Y	Y	SPIDERS	Y	Y	–	Y	Y	N	N	Y	Y	N	N	N	N
HUGO RMU	517	–	–	–	–	–	Y	–	–	–	–	SPIDERS	–	–	–	–	–	Y(LV EXPOSED)	–	–	–	–	–	N	N
CLOSE CABRIERE MS	518	–	ASEA	–	–	–	N	Y	REPAINT	Y	–	WASPS	Y	Y	–	Y	Y	N	N	Y	–	N	N	N	N
DANIEL HUGO MS	519	–	ELECTRO INDUCTIVE IND	–	–	500 KVA	Y	Y	Y	Y	Y	SPIDERS	Y	Y	–	Y	Y	N	N	Y	–	N	N	N	N
BORDEAUX MS	520	–	–	30562001/02	–	500 KVA	FADED SIGNS	Y	DIRTY	Y	BUSH COVERING	SPIDERS	Y	Y	–	Y	Y	N	N	Y	–	N	N	N	N
LA COTTE	522	–	–	–	–	500 KVA	Y	Y	Y	Y	BUSH COVERING	SPIDERS	Y	Y	–	Y	Y	N	N	Y	–	N	N	N	N
NAUDE MS	523	–	DESTRA	30561901/01	–	400 KVA	FADED SIGNS	Y	RUBBER FALLING OUT	Y	–	SPIDERS	Y	Y	–	Y	Y	N	N	Y	Y	N	N	N	N
CAHAMONIX MS	525	–	NEI TRANSFORMERS	2027719/02	–	315 KVA	FADED SIGNS	–	Y	Y	REPAINT	SPIDERS	Y	–	–	Y	Y	N	N	Y	Y	N	N	N	N
LES-CH RMU	526	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	527	–	CENTRAL POWER TRF	JPT 152	–	–	–	–	–	–	–	–	–	–	–	Y	–	–	–	–	–	–	–	N
DIEV DONNE MS	528	–	DESTRA	–	–	500 KVA	Y	Y	Y	Y	Y	SPIDERS	Y	Y	–	Y	Y	N	N	Y	–	N	N	N	N
	529	–	ELECTRO INDUCTIVE IND	DS9404N/01	–	315 KVA	ALL MISSING	–	–	Y	Y	SPIDERS	Y	–	–	–	–	–	–	–	–	–	–	–	–
POSKANTOOR MS	530	–	DESTRA POWER	30688401/01	–	500 KVA	Y	LV	DENT	Y	Y	SPIDERS	Y	Y	–	Y	Y	N	N	Y	Y	N	N	N	N
DIRKIE UYS NOORD MS	531	–	ELECTRO INDUCTIVE IND	–	–	500 KVA	Y	LV	Y	Y	Y	SPIDERS	Y	Y	–	Y	Y	N	N	Y	Y	N	N	N	N
C 129 A (LABELED)	532	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Y	Y
LA RECEDANCE 2 MS	533	–	POWER TECH	–	–	315 KVA	Y	LV	Y	Y	BUSH COVERING	SPIDERS	Y	Y	–	Y	Y	N	N	Y	Y	N	N	Y	N
LA RECEDANCE 1 MS	534	–	DESTRA POWER	20618601/02	–	315 KVA	Y	LV	HARD TO OPEN	Y	WASPS NEST	WASPS	–	–	–	–	–	Y(LV EXPOSED)	–	–	–	–	–	–	–
LA MONTAGNE RMU	535	–	LUCY	JC 2351/1	FRMU MK	–	N	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	N
DOMAINE PES ANGES MS	536	–	NEI TRANSFORMERS	20325602/02	–	–	FADED SIGNS	–	DIRTY	Y	DIRTY	SPIDERS	–	Y	–	Y	Y	N	N	Y	Y	N	N	N	N
JC RMU	537	–	–	–	–	–	N	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	N	N
SS - 133	537	–	–	–	–	–	–	–	–	–	Y	–	–	–	–	–	–	–	–	–	–	N	N	N	N
LA GRAPPE MS	538	–	POWER ENGINEERS	20519301/01	–	315 KVA	FADED SIGNS	Y	REPAINT	Y	Y	SPIDERS	–	Y	–	Y	Y	N	N	Y	Y	N	N	N	N
LA CHANTELLE MSS	539	–	POWER ENGINEERS	20555201/01	–	315 KVA	FADED SIGNS	Y	RUSTED	–	Y	SPIDERS	–	Y	–	Y	Y	N	N	Y	–	Y	Y	N	N
VILLAGE ARTISEN MS	540	–	–	–	–	400 KVA	Y	Y	DIRTY	OLD	Y	SPIDERS	Y	Y	–	Y	Y	N	N	Y	Y	Y	N	N	N
WYNKELDER RMU	541	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	N
WYNKELDER TRF	542	–	GEC	–	–	–	–	–	–	–	Y	–	–	–	–	–	–	–	–	–	–	–	–	–	N
MERLOT MS	543	–	NEI TRANSFORMERS	20412201/02	–	400 KVA	FADED SIGNS	LV	DIRTY	Y	DIRTY	SPIDERS	RUSED	Y	–	Y	Y	N	N	Y	Y	N	N	N	N
CABERNETTE	544	–	NEI TRANSFORMERS	20412201/01	–	400KVA	FADED SIGNS	–	REPAINT	Y	PAINT CHIPPED	SPIDERS	–	Y	–	Y	Y	N	N	–	–	N	Y	Y	–
LOUW MS	545	–	POWER ENGINEERS	30529001/02	–	500 KVA	Y	Y	PAINT CHIPPED	Y	Y	SPIDERS	–	Y	–	Y	Y	N	N	Y	–	N	Y	N	N
GM II TRF	546	–	–	JPT553	–	160 KVA	N	–	–	–	RUSTED	–	–	–	–	–	–	–	–	–	–	–	–	N	–
HOOFSTRAAT RMU	547	–	–	–	NX3F	–	–	–	–	Y	–	–	–	–	–	–	–	–	–	–	–	–	–	N	N
LE ROUX MS	549	–	POWER ENGINEERS	30524801/01	–	500 KVA	ALL MISSING	LV	PAINT CHIPPED	OLD	PAINT CHIPPED	SPIDERS	REPAINT	Y	–	Y	Y	N	N	Y	–	N	Y	N	N
LE ROUX PARK MS	550	–	–	30523101/01	–	400 KVA	ALL MISSING	–	DIRTY	–	–	SPIDERS	–	Y	–	Y	Y	N	N	Y	–	N	Y	N	N
SANTA ROSA MS	551	–	–	20482401/01	–	315 KVA	ALL MISSING	LV	PAINT CHIPPED	OLD	–	SPIDERS	PAINT CHIPPED	Y	–	Y	Y	N	N	Y	–	N	Y	N	N
JAFTHA SINGEL MS	552	–	–	–	–	400 KVA	ALL MISSING	N	VANDALIZED	OLD	RUSTED	SPIDERS	ALL MISSING	Y	–	–	Y	Y(LV EXPOSED)	–	Y	–	BAD	BAD	N	N
DAASENBERG	553	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LAVIEDALAG MS	554	–	ATM	ATM 2826	–	500 KVA	Y	Y	Y	Y	Y	SPIDERS	Y	Y	–	Y	Y	N	N	Y	Y	N	N	N	N
LATERRA DE LUC RMU & MS	555	–	–	17448	–	315 KVA	Y	Y	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Y	N
LA VIE RMU	556	–	–	–	–	–	–	–	–	–	–	SNAILS	–	–	–	–	–	–	–	–	–	–	–	–	–
TRIEBEUEL MS	557	–	–	–	–	400 KVA	ALL MISSING	LV	PAINT CHIPPED	OLD	Y	SPIDERS	RUSED	Y	–	Y	Y	N	N	Y	–	N	Y	N	N
KEEROM RMU &MS	558	–	NEI TRANSFORMERS	20283401781	–	400 KVA	ALL MISSING	Y	VANDALIZED	Y	Y	SPIDERS	DIRTY	Y	–	Y	Y	N	N	Y	–	N	Y	N	N
GD SPORT MS	559	–	ABB	–	–	500 KVA	Y	–	Y	–	–	SPIDERS	Y	Y	–	Y	Y	N	N	Y	–	–	–	–	–
PACKHAM MS	560	–	POWER ENGINEERS	20458001/01	–	360 KVA	ALL MISSING	LV	REPAINT	OLD	PAINT CHIPPED	SPIDERS	–	Y	–	Y	Y	N	N	N	Y	N	Y	N	N
0081 MS	561	–	DESTRA POWER	80861901/03	–	400 KVA	ALL MISSING	LV	VANDALIZED	OLD	REPAINT	SPIDERS	Y	Y	–	Y	Y	N	N	Y	–	–	–	–	N
BEAU COP DE LEAV MS	562	–	POWER ENGINEERS	20457901/01	–	400 KVA	ALL MISSING	LV	VANDALIZED	OLD	PAINT CHIPPED	SPIDERS	PAINT CHIPPED	Y	–	Y	Y	N	N	–	–	N	Y	N	N
DALABUSHLE MS 301/2	563	–	POWER ENGINEERS	30828901/02	–	400 KVA	ALL MISSING	–	REPAINT	OLD	REPAINT	SPIDERS	PAINT CHIPPED	–	–	Y	Y	N	N	Y	–	N	Y	N	N
UPPER LEASMITH MS	564	–	POWER ENGINEERS	20487101/02	–	500 KVA	ALL MISSING	LV	PAINT CHIPPED	OLD	REPAINT	SPIDERS	Y	Y	–	Y	Y	N	N	Y	–	N	Y	N	N
RESEVOIR MS	565	–	NEI TRANSFORMERS	20337601/01	–	400 KVA	ALL MISSING	Y	DIRTY	OLD	–	SPIDERS	Y	Y	–	Y	Y	N	N	Y	–	N	Y	N	N
LANGRUG RMU	565	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LANGRUG 1 MS	566	–	–	30620441/02	–	500 KVA	Y	Y	DIRTY	Y	PAINT CHIPPED	SPIDERS	Y	Y	–	Y	Y	N	N	Y	–	N	Y	N	N

	Address/Location	Mini Ring Network	Make	Serial Number	Type	Rating	Overall Signage and Warning Notices (Y/N)	Phase Colour Coding Tags	Condition of all Doors	Condition and Availability of Locks	Condition of Cooling Fins	Grass and Vermin Proofing in Good Condition (Y/N)	Roof Bolts in Good Condition and No Open Gaps	Operating Handle on Site (Y/N)	SF6 Gas Pressure (Where Applicable) (Y/N)	Overall Earthing in Contact (Y/N)	LV Breakers Mounted Properly	Safety Barriers in Place and No Live Connections Exposed	Loose Connections on LV Breakers (Y/N)	MV Safety Barrier Fitted (Y/N)	Phase Barrier Boards are Fitted between Phases	Repaint Inside (Y/N)	Repaint Outside (Y/N)	Grass to be Removed from Inside/Outside Minisub (Y/N)	Backfilling need Attention (Y/N)
LANGRUG 2 MS	567	-	DESTRA POWER	30620441/02	-	500 KVA	Y	-	REPAINT	OLD	PAINT CHIPPED	SPIDERS	Y	Y	-	Y	Y	N	N	Y	-	N	Y	N	N
DENNEGEUR RMU	568	-	LUCY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Basis Notes

1. The condition assessment was only a visual assessment from the ground (ie no tests were conducted nor samples taken) under energised conditions.
2. Obsolete MV switchgear is due to the manufacturer no longer manufacturing the product range.

Abbreviations

Acc - Ac Not Acc - Not Acceptable
Ad - Ade Not Av - Not Available
Av - Ava "-" - Not Applicable
B - Bad Ob- Obsolete
Be - Bel Oil le- Oil leakage
Bi - Bird Ru- Rust
Dis - Dis Veg- Vegetation
Er - Eros Va - Vacuum
G - Goo No - Not Visible
Inad - In * - Not commissioned
Mi - Mis ** - Remote switching facility available

FRANSHOEK CONDITION ASSESMENT - SUBSTATIONS SUMMARY TABLE

	OUTDOOR HV YARD					INDOOR HV CONTROL ROOM				INDOOR MV SWITCHROOM											
								Relays							Switchgear					Relays		
Substation Name	**Trench cover** - Acceptable or **Not** Acceptable, **M**issing	**Yard** - **E**rosion, **Veg**etation, **G**ood	**Transformer** - **D**iscolouring, **Rust**, **B**ird Nest, **Oil** leakage, **G**ood	**Transformer**- Year of Manufacture	**Corrosion: outdoor steelwork** - **N**ot Visible, **M**inor surface, **S**evere	**Trench cover** - Acceptable or **Not** Acceptable, **M**issing	**House keeping**- **G**ood or **B**ad	**Type**	**Manufacturer**	**Trench cover** - Acceptable or **Not** Acceptable, **M**issing	**House keeping**- **G**ood or **B**ad	**Vermin and Water Protection** - Acceptable or **Not** Acceptable	**Fire Extinguisher** - **Av**ailable or **Not** Available, Condition (**G**ood or **B**ad)	**Battery Tripping Unit** - Condition (**G**ood or **Bad**), Electrolyte levels (Below Minimum)	**Type**	**Manufacturer**	**Year**	**Interrupting Medium** - **Oil**, **SF6**, **Va**cuum	**Switchgear**- Acceptable or **Not** Acceptable, **Ob**solete	**Type**	**Manufacturer**	**Arc Protection** - **Av**ailable or **Not** Available
Monument 11kV Sub	-	-	-	-	-	-	-	-	-	Acc	G	Acc	Av	G	SBV4	Alstom	2006	Va	Acc	FP-04AR		Not Av
Hugenote 11KV SS	-	-	-	-	-	-	-	-	-	Acc	G	Acc	Av	G	SBV4	Alstom	2006	Va	Acc	Solkor/MCGG		Not Av
Groendal 11KV SS	-	-	-	-	-	-	-	-	-	Acc	G	Acc	Av	G	SBV4	Alstom	2003	Va	Acc	Solkor/MCGG		Not Av

Basis Notes

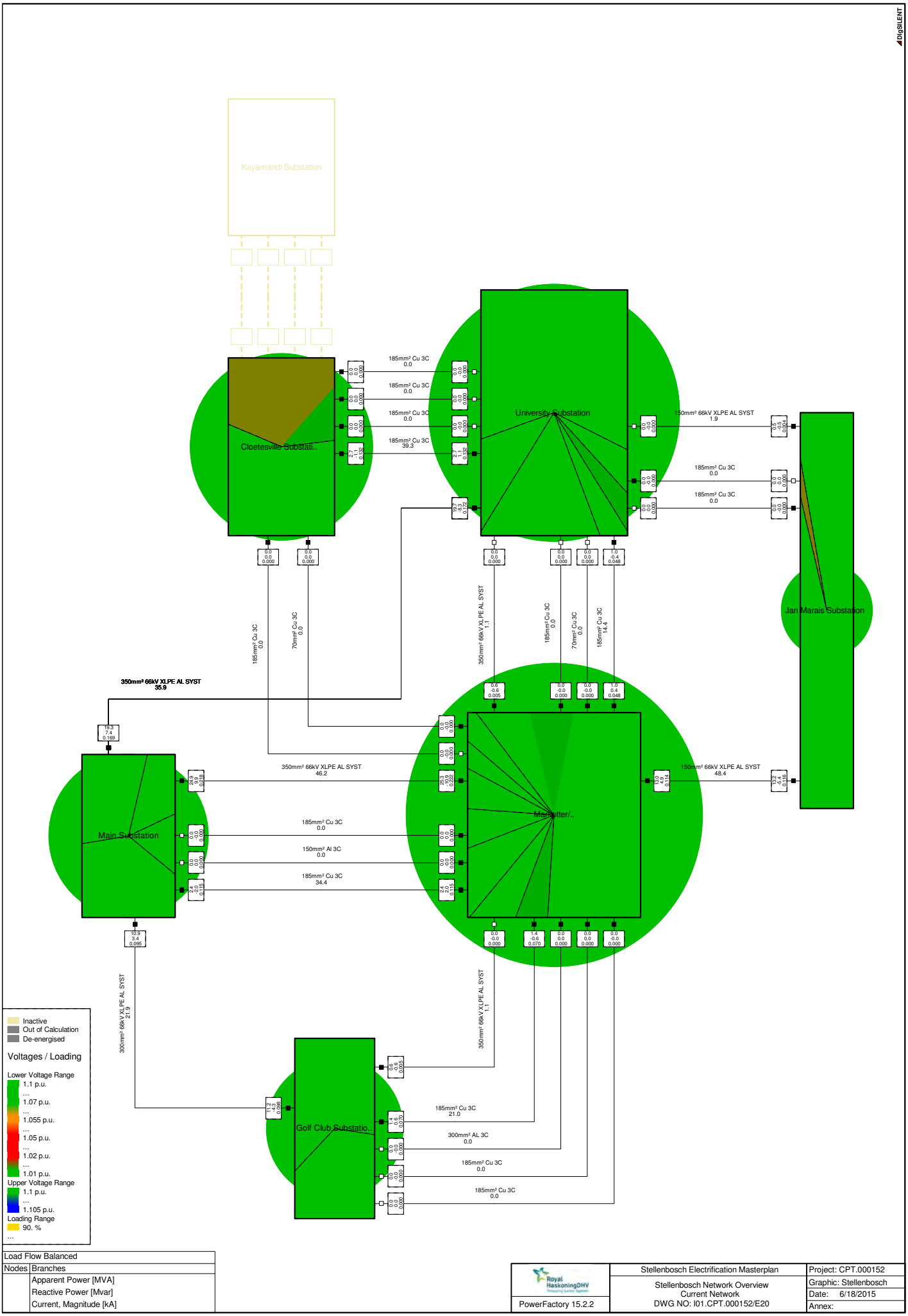
1. The condition assessment was conducted from the 27/05/2015 by J Niemann
2. The condition assessment was only a visual assessment from the ground (ie no tests were conducted nor samples taken) under energised conditions.
3. Obsolete MV switchgear is due to the manufacturer no longer manufacturing the product range.

Abbreviations

Acc - Acceptable	Not Acc - Not Acceptable
Ad - Adequate	Not Av - Not Available
Av - Available	"-" - Not Applicable
B - Bad	Ob- Obsolete
Be - Below Minimum	Oil le- Oil leakage
Bi - Bird Nest	Ru- Rust
Dis - Discolouring	Veg- Vegetation
Er - Erosion	Va - Vacuum
G - Good	No - Not Visible
Inad - Inadequate	* - Not commissioned
Mi - Missing	** - Remote switching facility available

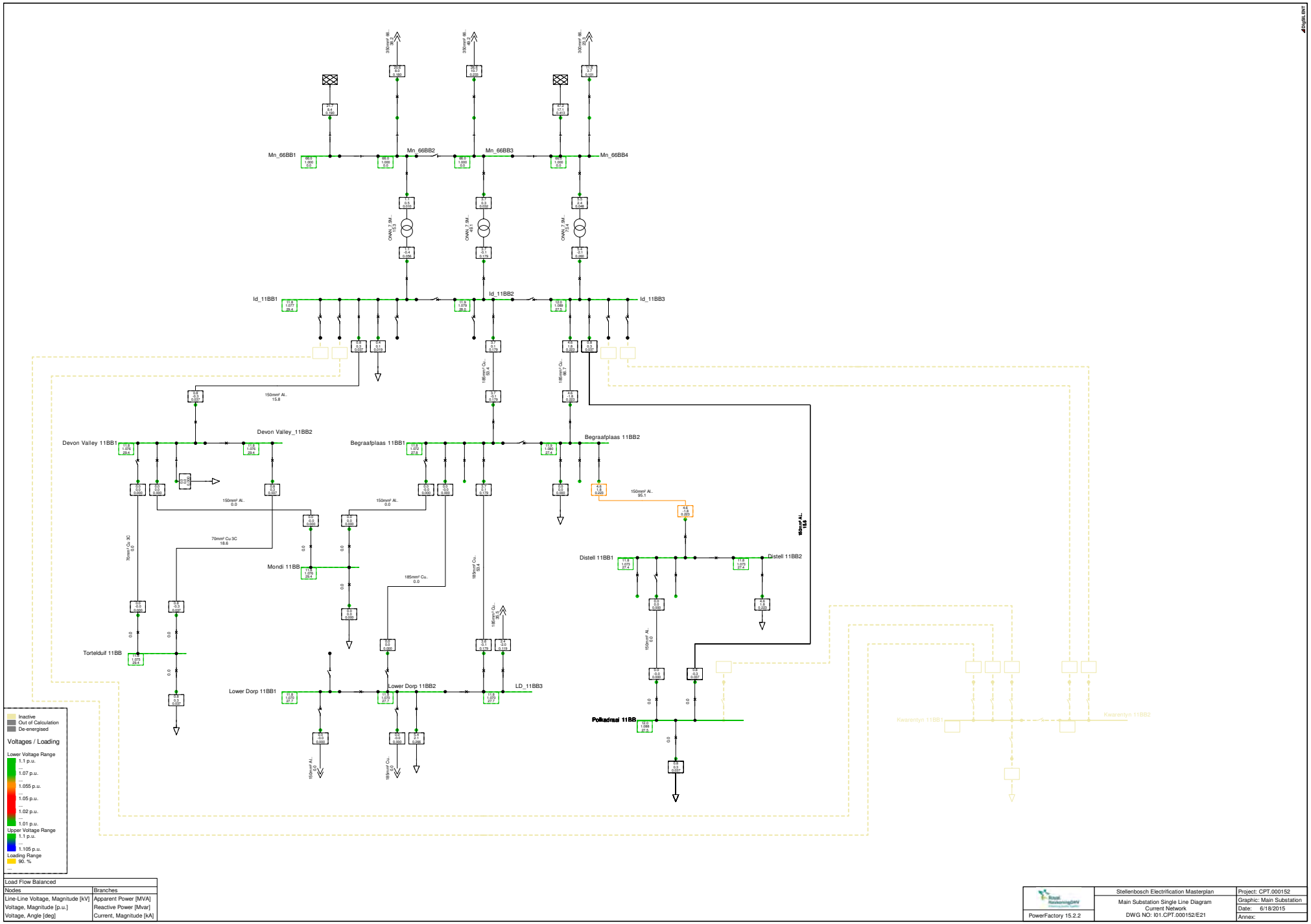
APPENDIX D : NETWORK SINGLE LINE DIAGRAMS

DRAWING NUMBER	TITLE
I01.CPT.000127/E20	Stellenbosch Network Overview, current network
I01.CPT.000127/E21	Main Substation SLD, Current network
I01.CPT.000127/E22	Markotter Substation SLD, Current network
I01.CPT.000127/E23	University Stellenbosch Substation SLD, Current network
I01.CPT.000127/E24	Jan Marais Substation SLD, current network
I01.CPT.000127/E25	Golf Club Substation SLD, Current network
I01.CPT.000127/E26	Cloetesville Substation SLD, Current network
I01.CPT.000127/E28	Franschhoek Substation SLD, Current network
I01.CPT.000127/E30	Stellenbosch Network Overview, High growth
I01.CPT.000127/E31-E38	Substation SLD's, High growth
I01.CPT.000127/E40	Stellenbosch Network Overview, Realistic growth
I01.CPT.000127/E41-48	Substation SLD's, Realistic Growth



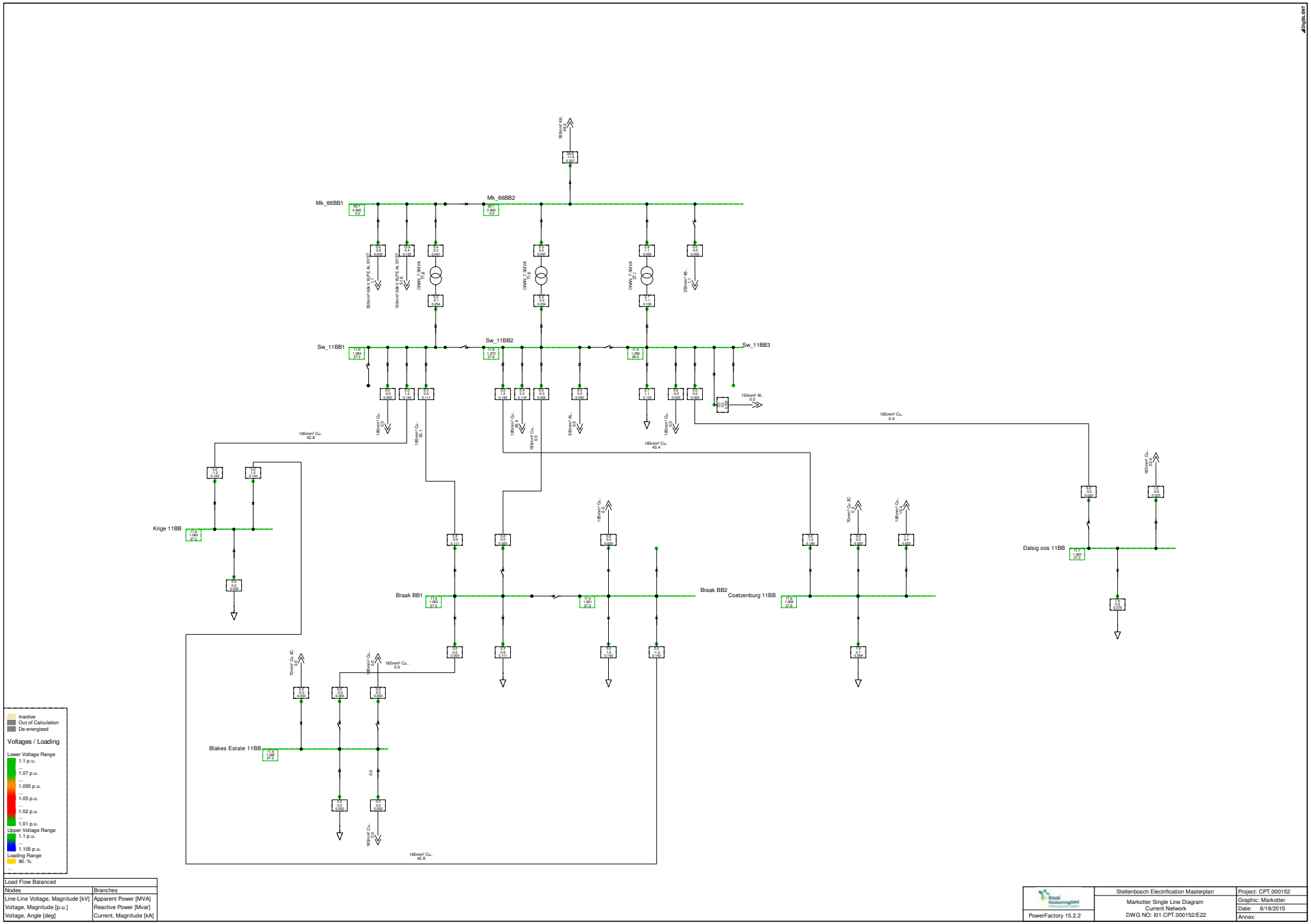
Load Flow Balanced	
Nodes	Branches
	Apparent Power [MVA]
	Reactive Power [Mvar]
	Current, Magnitude [kA]

Royal HaskoningDHV	Stellenbosch Electrification Masterplan	Project: CPT.000152
	Stellenbosch Network Overview Current Network DWG NO: I01.CPT.000152/E20	Graphic: Stellenbosch
PowerFactory 15.2.2		Date: 6/18/2015
		Annex:



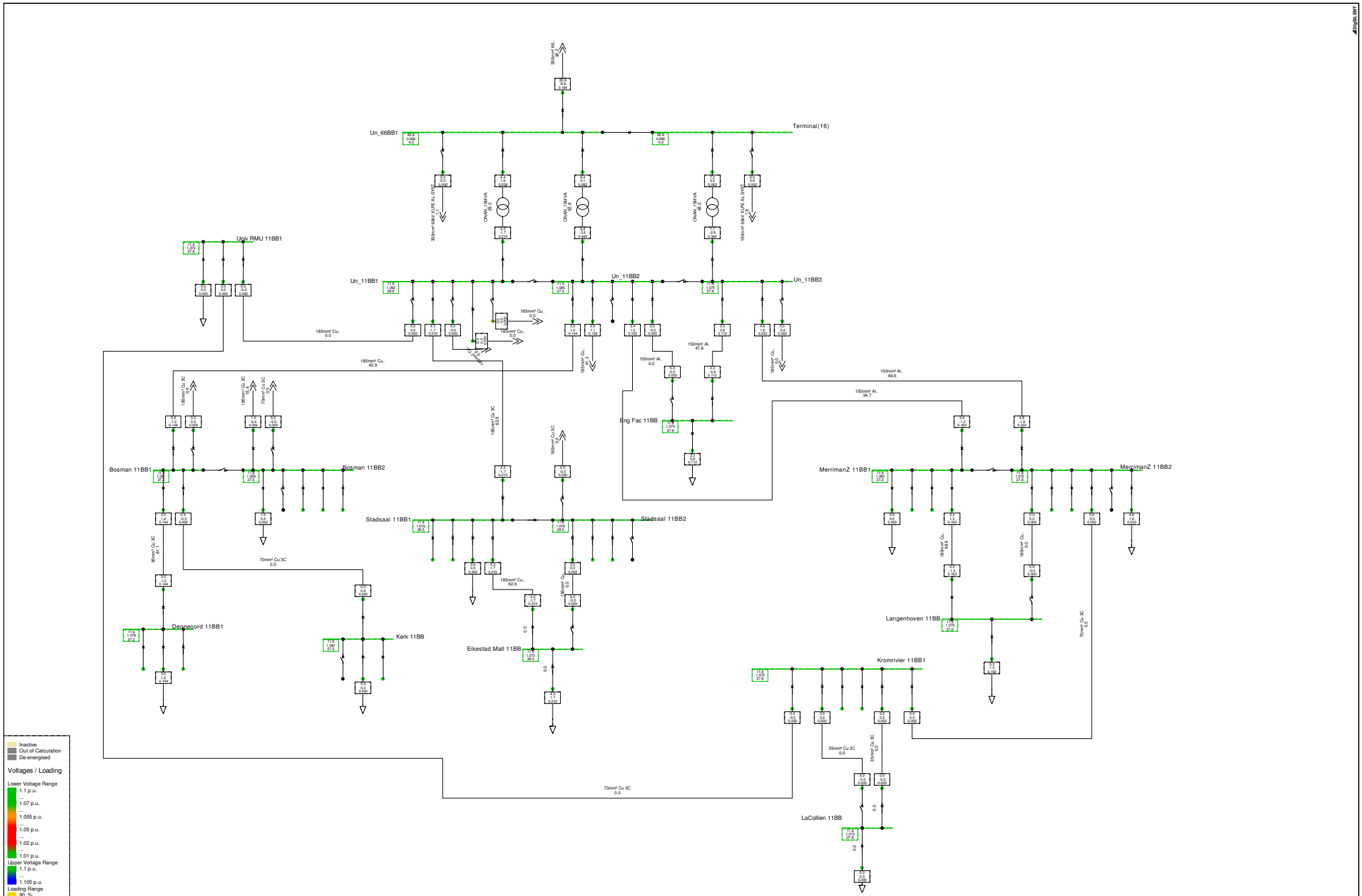
Load Flow Balanced	
Nodes	Branches
Line-Line Voltage, Magnitude [kV]	Apparent Power [MVA]
Voltage, Magnitude [p.u.]	Reactive Power [Mvar]
Voltage, Angle [deg]	Current, Magnitude [kA]

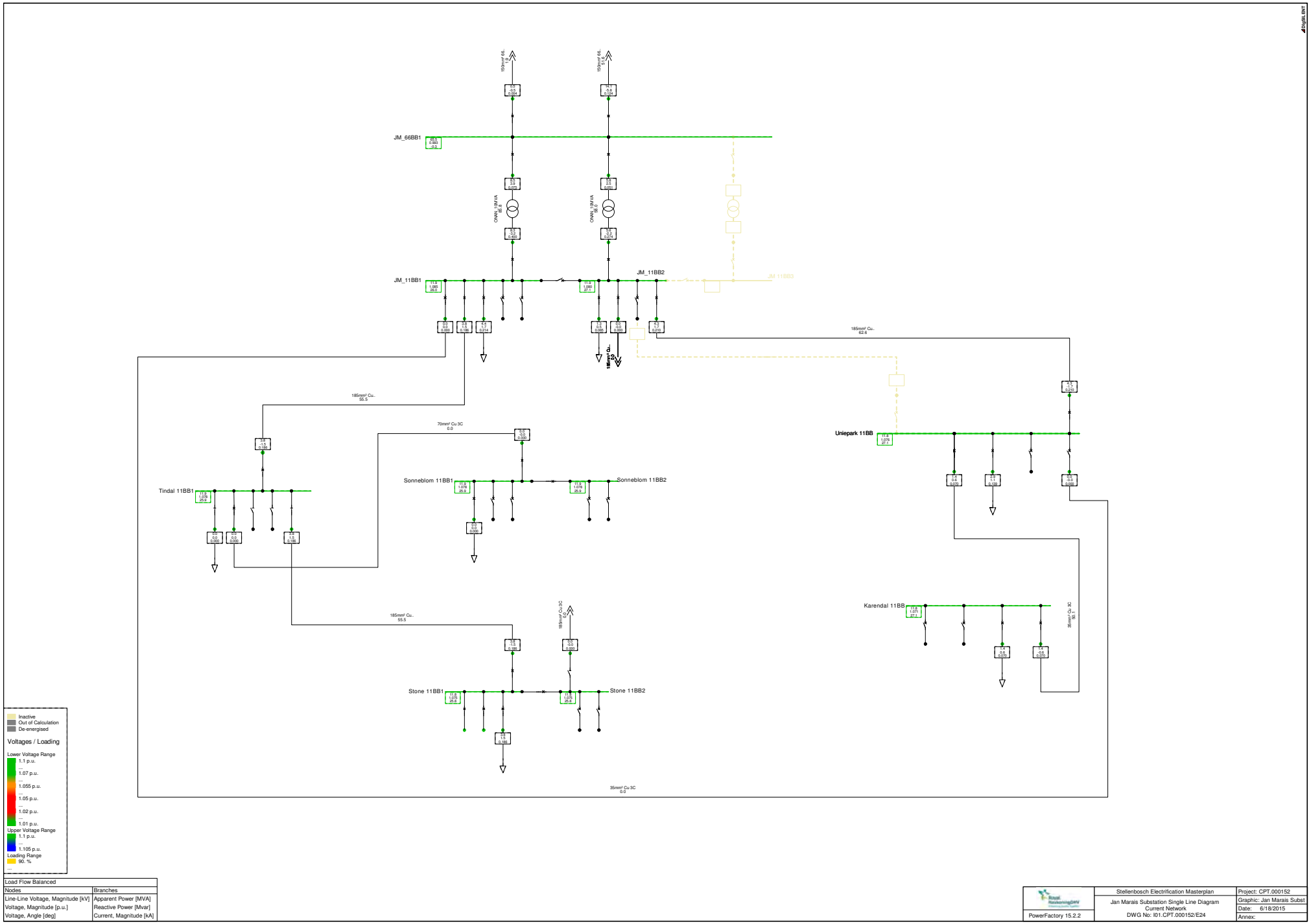
PowerFactory 15.2.2	Stellenbosch Electrification Masterplan	Project: CPT.000152
	Main Substation Single Line Diagram Current Network DWG NO: I01.CPT.000152/E21	Graphic: Main Substation Date: 6/18/2015 Annex:

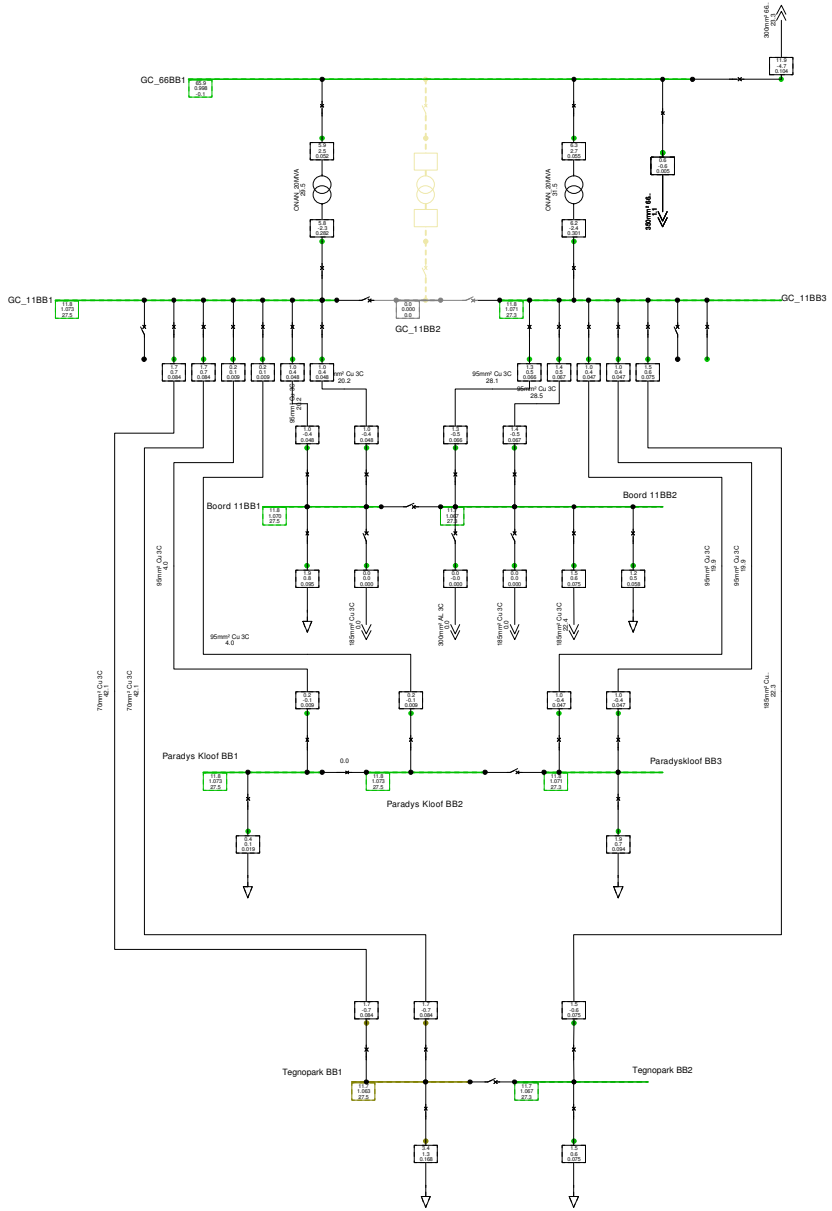


Load Flow Balanced	
Nodes	Branches
Line-Line Voltage, Magnitude [kV]	Apparent Power [MVA]
Voltage, Magnitude [p.u.]	Reactive Power [Mvar]
Voltage, Angle [deg]	Current, Magnitude [kA]

PowerFactory 15.2.2	Stellenbosch Electrification Masterplan	Project: CPT.000152
	Markotter Single Line Diagram Current Network DWG NO: I01.CPT.000152/E22	Graphic: Markotter Date: 6/18/2015 Annex:


Un_66BB1
Terminal(16)
Univ RMU 11BB1
Un_11BB1
Un_11BB2
Un_11BB3
Eng Fac 11BB
Bosman 11BB1
Bosman 11BB2
Stadsaal 11BB1
Stadsaal 11BB2
MerrimanZ 11BB1
MerrimanZ 11BB2
Dennegoord 11BB1
Kerk 11BB
Eikestad Mall 11BB
Langenhoven 11BB
Kromrivier 11BB1
LaCollien 11BB
Inactive
Out of Calculation
De-energised
Voltages / Loading
Lower Voltage Range
1.1 p.u.
1.07 p.u.
1.055 p.u.
1.05 p.u.
1.02 p.u.
1.01 p.u.
Upper Voltage Range
1.1 p.u.
1.105 p.u.
Loading Range
90. %
Load Flow Balanced
Nodes
Branches
Line-Line Voltage, Magnitude [kV]
Apparent Power [MVA]
Voltage, Magnitude [p.u.]
Reactive Power [Mvar]
Voltage, Angle [deg]
Current, Magnitude [kA]
PowerFactory 15.2.2
Stellenbosch Electrification Masterplan
University Substation Single Line Diagram
Current Network
DWG No: I01.CPT.000152/E23
Project: CPT.000152
Graphic: University Substat
Date: 6/18/2015
Annex:


JM_66BB1
JM_11BB1
JM_11BB2
JM 11BB3
Tindal 11BB1
Sonneblom 11BB1
Sonneblom 11BB2
Uniepark 11BB
Karendal 11BB
Stone 11BB1
Stone 11BB2
185mm² Cu..
70mm² Cu 3C
35mm² Cu 3C
Inactive
Out of Calculation
De-energised
Voltages / Loading
Lower Voltage Range
1.1 p.u.
1.07 p.u.
1.055 p.u.
1.05 p.u.
1.02 p.u.
1.01 p.u.
Upper Voltage Range
1.1 p.u.
1.105 p.u.
Loading Range
90. %
Load Flow Balanced
Nodes
Branches
Line-Line Voltage, Magnitude [kV]
Apparent Power [MVA]
Voltage, Magnitude [p.u.]
Reactive Power [Mvar]
Voltage, Angle [deg]
Current, Magnitude [kA]
PowerFactory 15.2.2
Stellenbosch Electrification Masterplan
Jan Marais Substation Single Line Diagram
Current Network
DWG No: I01.CPT.000152/E24
Project: CPT.000152
Graphic: Jan Marais Subst
Date: 6/18/2015
Annex:



Inactive
Out of Calculation
De-energised

Voltages / Loading

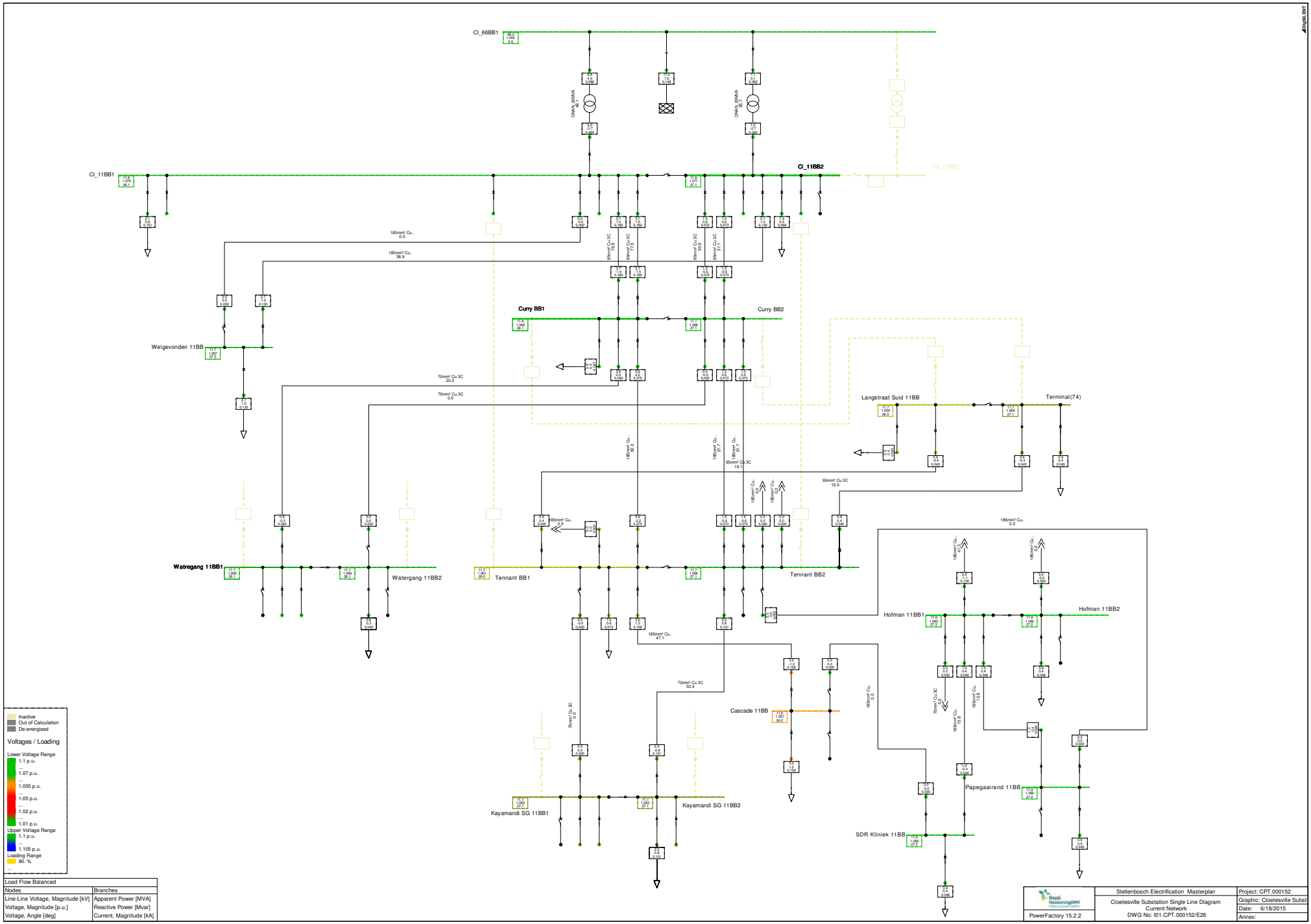
Lower Voltage Range
1.1 p.u.
1.07 p.u.
1.055 p.u.
1.05 p.u.
1.02 p.u.
1.01 p.u.

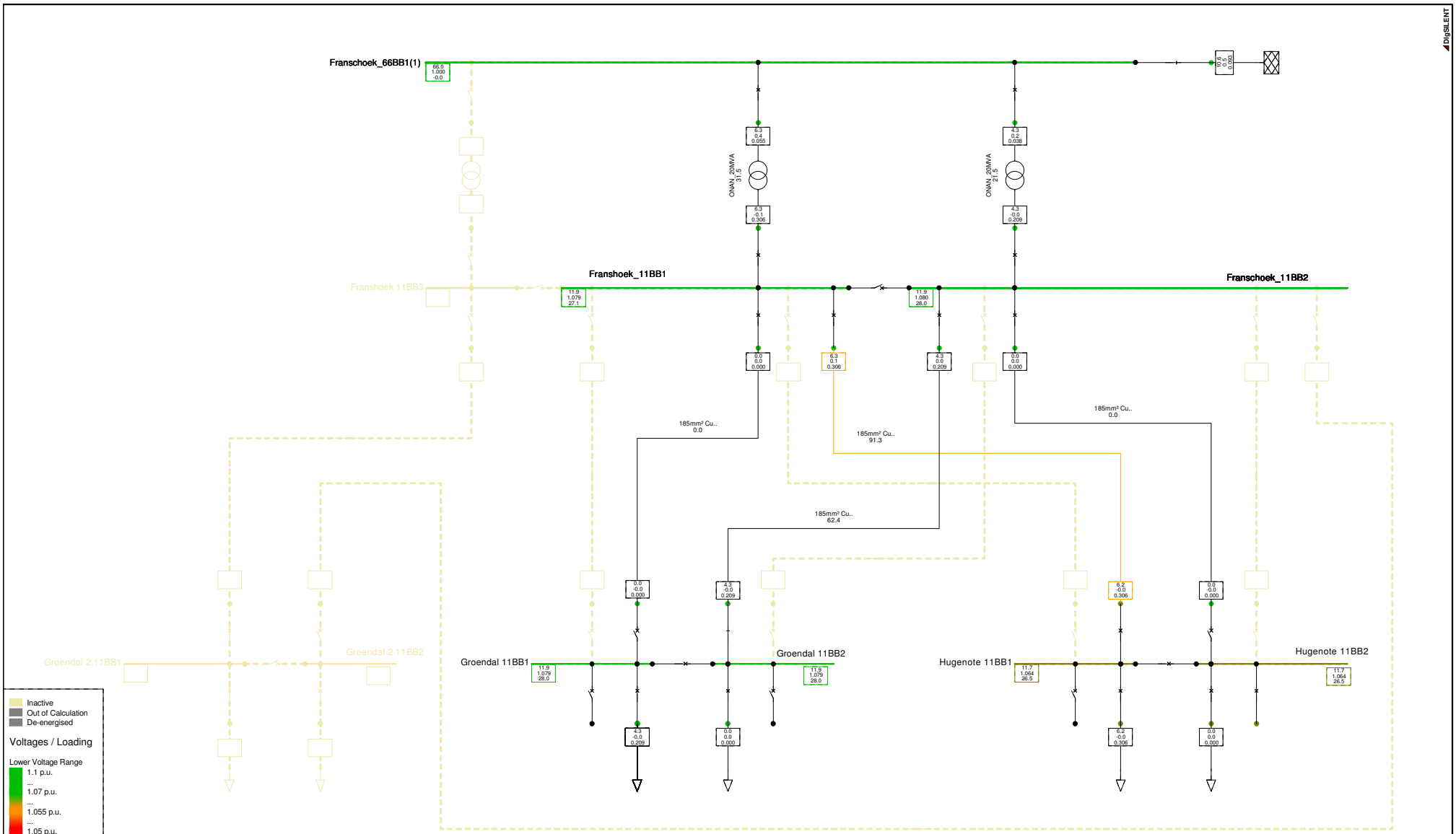
Upper Voltage Range
1.1 p.u.
1.105 p.u.

Loading Range
90. %

Load Flow Balanced	
Nodes	Branches
Line-Line Voltage, Magnitude [kV]	Apparent Power [MVA]
Voltage, Magnitude [p.u.]	Reactive Power [Mvar]
Voltage, Angle [deg]	Current, Magnitude [kA]

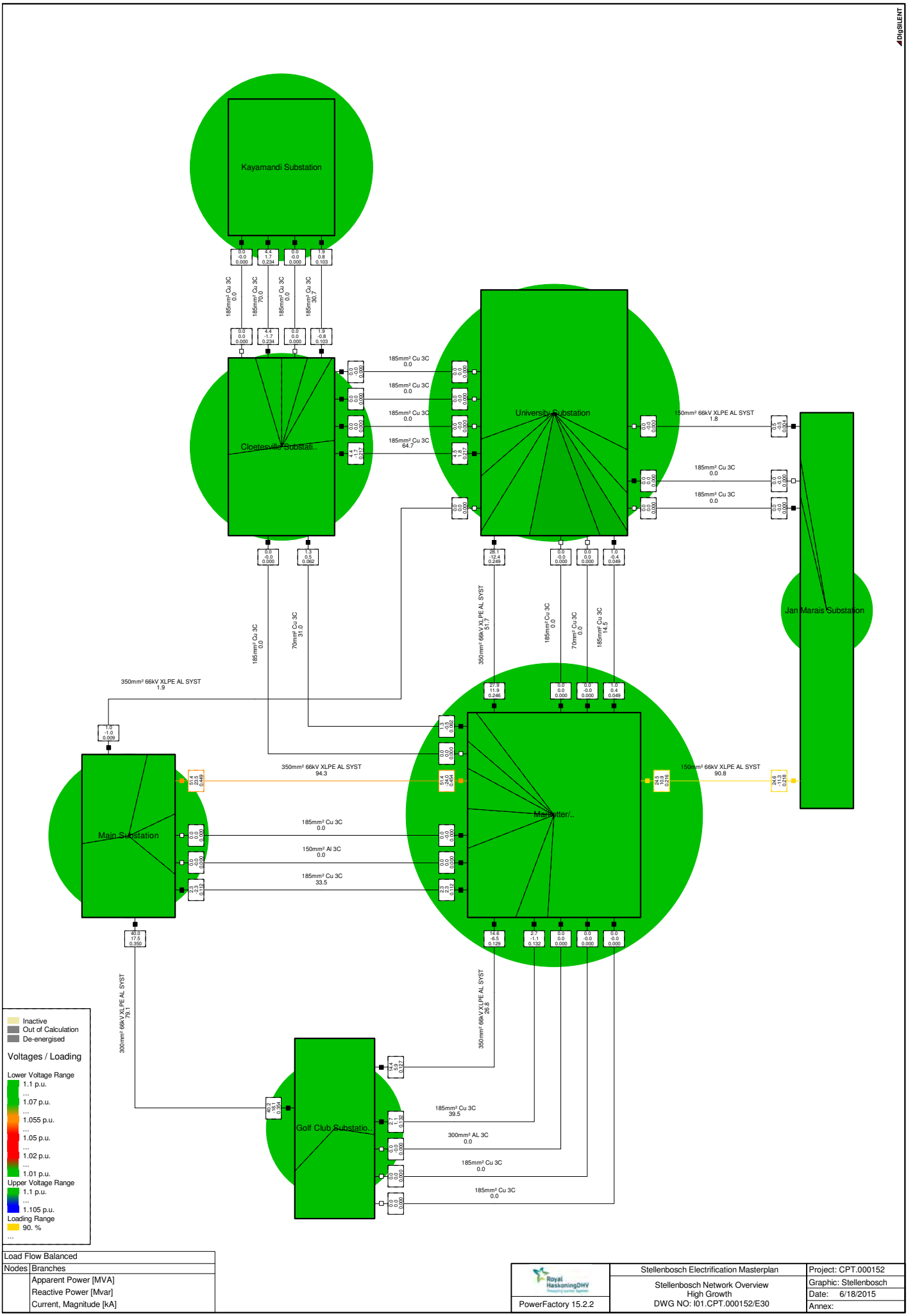
PowerFactory 15.2.2	Stellenbosch Electrification Masterplan	Project: CPT.000152
	Golf Club Substation Single Line Diagram Current Network DWG No: I01.CPT.000152/E25	Graphic: Golf Club Substati Date: 6/18/2015 Annex:

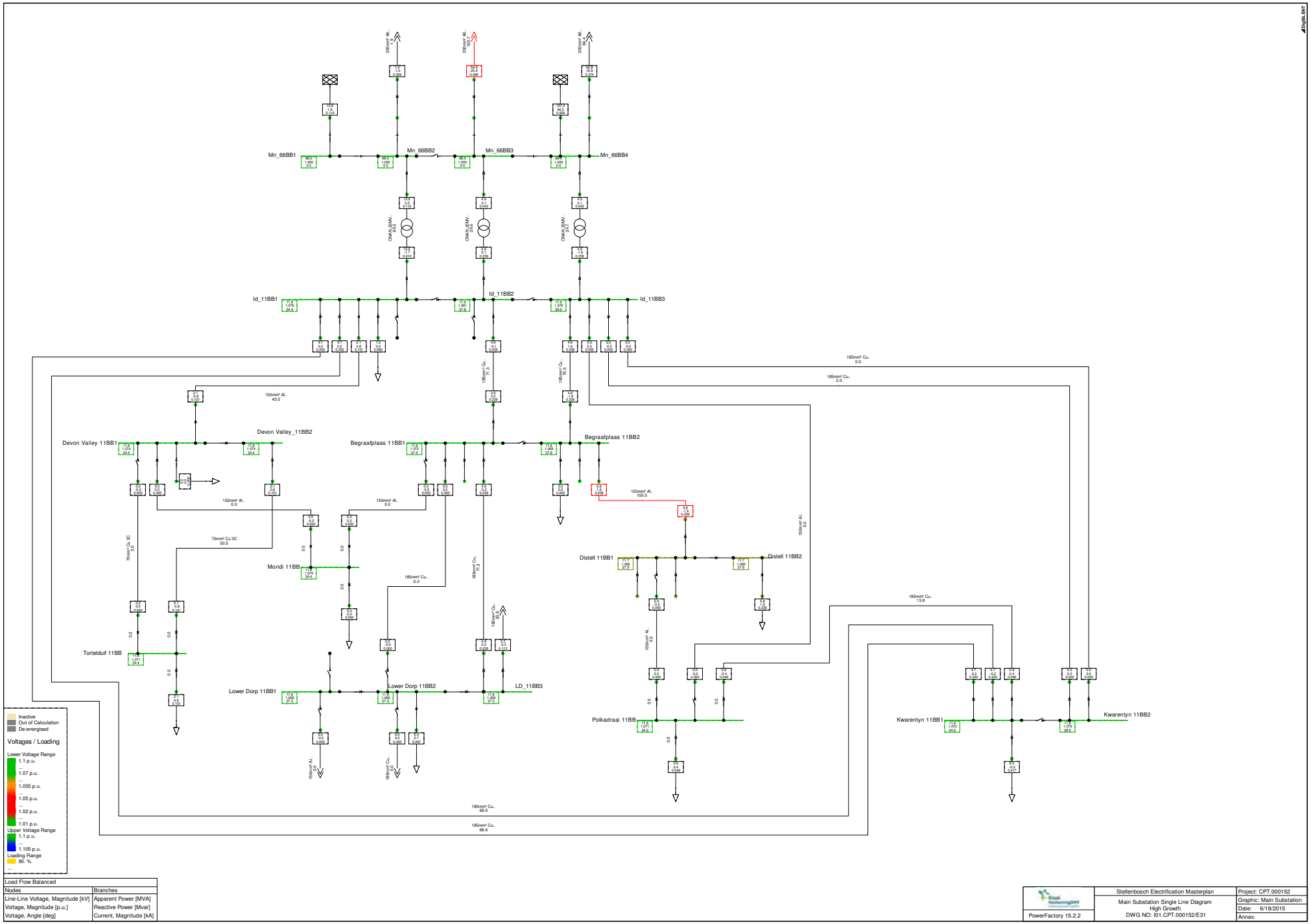

Cl_66BB1
Cl_11BB1
Cl_11BB2
CL 11BB3
Curry BB1
Curry BB2
Welgevonden 11BB
Watregang 11BB1
Watergang 11BB2
Tennant BB1
Tennant BB2
Langstraat Suid 11BB
Terminal(74)
Hofman 11BB1
Hofman 11BB2
Cascade 11BB
Papegaairand 11BB
SDR Kliniek 11BB
Kayamandi SG 11BB1
Kayamandi SG 11BB2
Inactive
Out of Calculation
De-energised
Voltages / Loading
Lower Voltage Range
1.1 p.u.
1.07 p.u.
1.055 p.u.
1.05 p.u.
1.02 p.u.
1.01 p.u.
Upper Voltage Range
1.1 p.u.
1.105 p.u.
Loading Range
90. %
Load Flow Balanced
Nodes
Line-Line Voltage, Magnitude [kV]
Voltage, Magnitude [p.u.]
Voltage, Angle [deg]
Branches
Apparent Power [MVA]
Reactive Power [Mvar]
Current, Magnitude [kA]
PowerFactory 15.2.2
Stellenbosch Electrification Masterplan
Project: CPT.000152
Cloetesville Substation Single Line Diagram
Current Network
DWG No: I01.CPT.000152/E26
Graphic: Cloetesville Subst
Date: 6/18/2015
Annex:

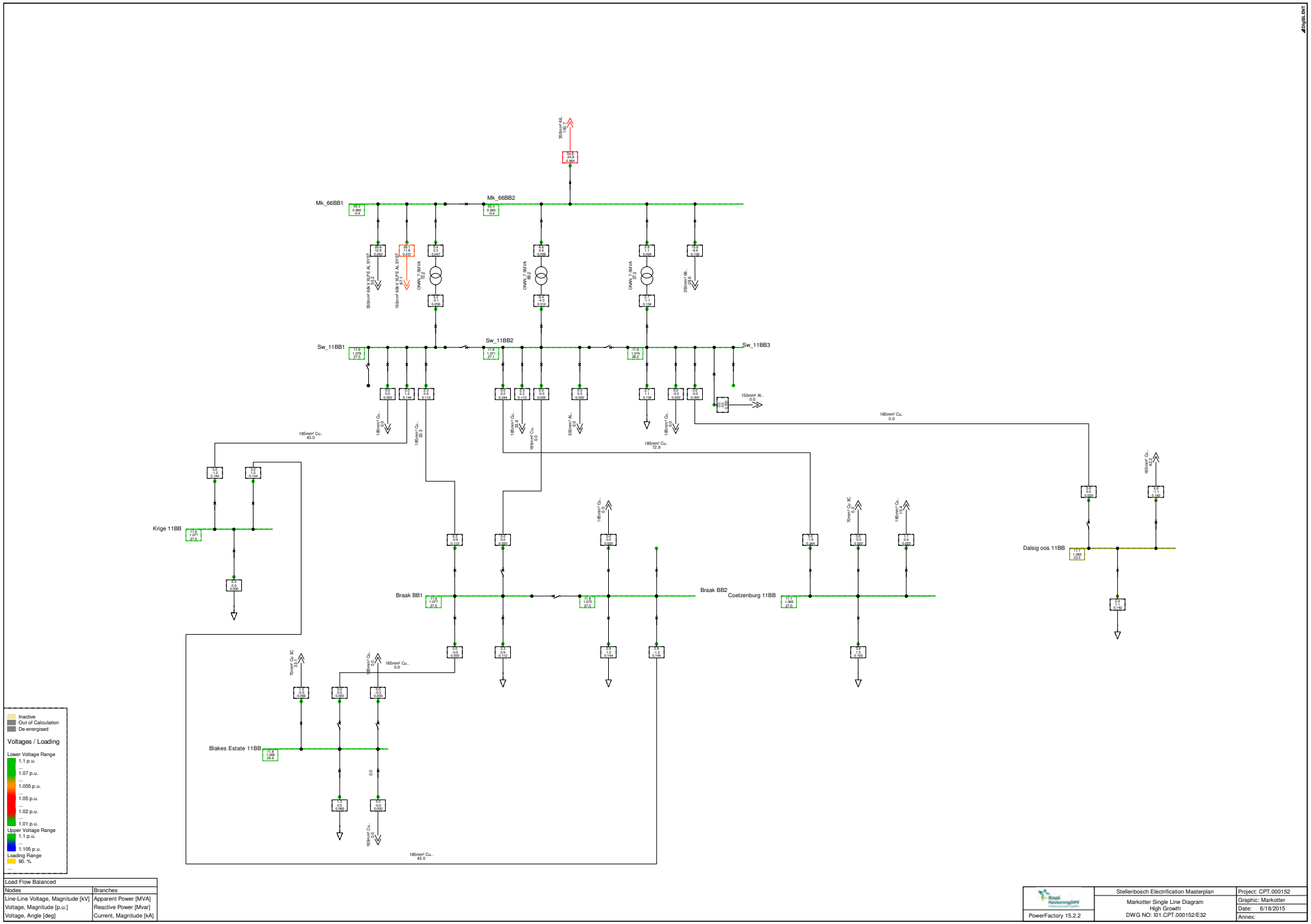


Load Flow Balanced	
Nodes	Branches
Line-Line Voltage, Magnitude [kV]	Apparent Power [MVA]
Voltage, Magnitude [p.u.]	Reactive Power [Mvar]
Voltage, Angle [deg]	Current, Magnitude [kA]

Royal HaskoningDHV PowerFactory 15.2.2	Stelenbosch Electrification Masterplan Franshoek Single Line Diagram Current Network DWG No: I01.CPT.000152/E28	Project: CPT.000152 Graphic: Franschoek Date: 6/18/2015 Annex:

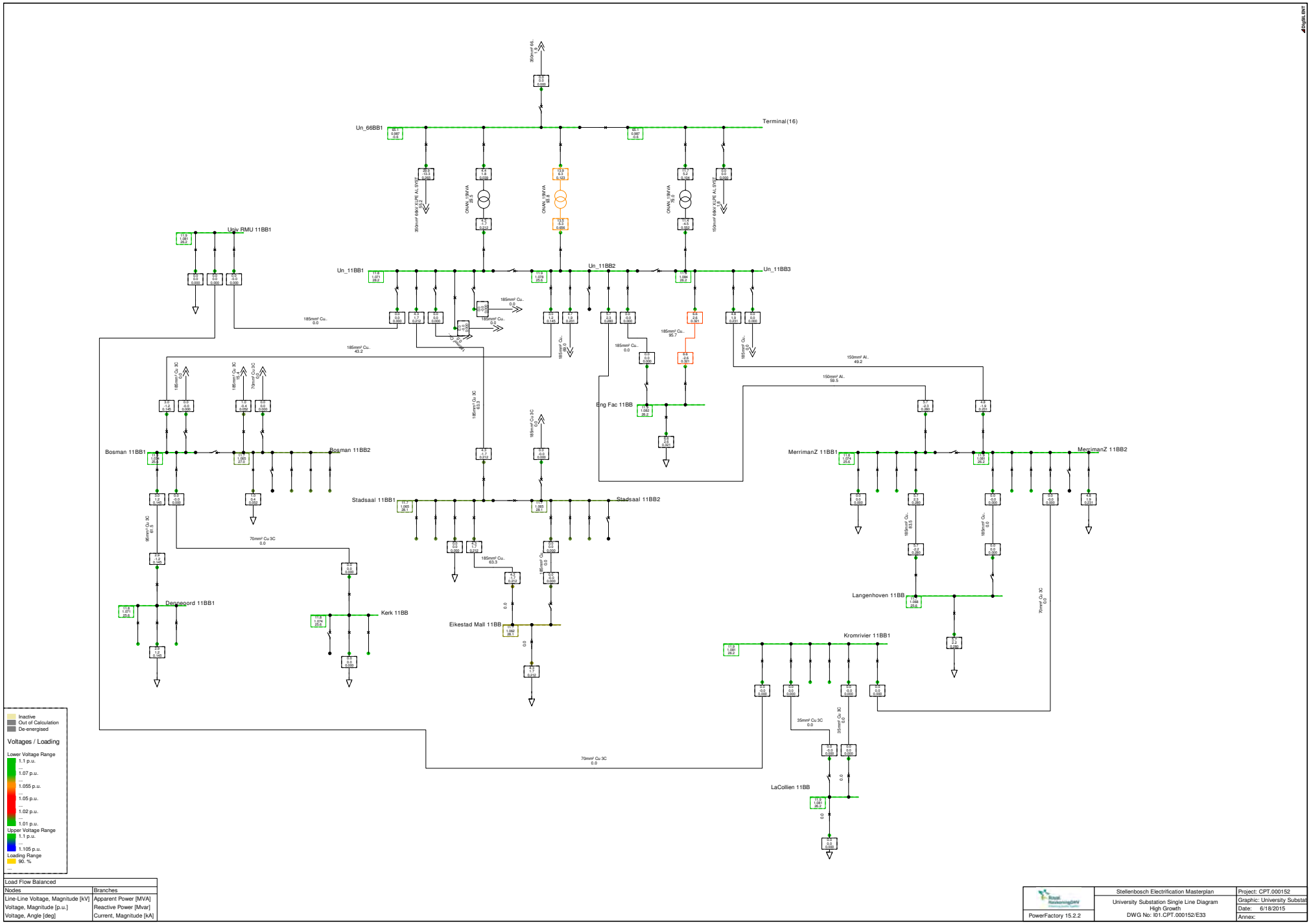

Kayamandi Substation
Cloetesville Substati..
University Substation
Jan Marais Substation
Main Substation
Marsetter/..
Golf Club Substatio..
185mm² Cu 3C 0.0
185mm² Cu 3C 70.0
185mm² Cu 3C 0.0
185mm² Cu 3C 39.7
185mm² Cu 3C 0.0
185mm² Cu 3C 0.0
185mm² Cu 3C 0.0
185mm² Cu 3C 64.7
150mm² 66kV XLPE AL SYST 1.8
185mm² Cu 3C 0.0
185mm² Cu 3C 0.0
350mm² 66kV XLPE AL SYST 1.9
350mm² 66kV XLPE AL SYST 51.7
185mm² Cu 3C 0.0
70mm² Cu 3C 0.0
185mm² Cu 3C 14.5
185mm² Cu 3C 0.0
70mm² Cu 3C 31.0
350mm² 66kV XLPE AL SYST 94.3
150mm² 66kV XLPE AL SYST 90.8
185mm² Cu 3C 0.0
150mm² Al 3C 0.0
185mm² Cu 3C 33.5
300mm² 66kV XLPE AL SYST 79.1
350mm² 66kV XLPE AL SYST 26.8
185mm² Cu 3C 39.5
300mm² AL 3C 0.0
185mm² Cu 3C 0.0
185mm² Cu 3C 0.0
Inactive
Out of Calculation
De-energised
Voltages / Loading
Lower Voltage Range
1.1 p.u.
1.07 p.u.
1.055 p.u.
1.05 p.u.
1.02 p.u.
1.01 p.u.
Upper Voltage Range
1.1 p.u.
1.105 p.u.
Loading Range
90. %
Load Flow Balanced
Nodes
Branches
Apparent Power [MVA]
Reactive Power [Mvar]
Current, Magnitude [kA]
PowerFactory 15.2.2
Stellenbosch Electrification Masterplan
Stellenbosch Network Overview
High Growth
DWG NO: I01.CPT.000152/E30
Project: CPT.000152
Graphic: Stellenbosch
Date: 6/18/2015
Annex:

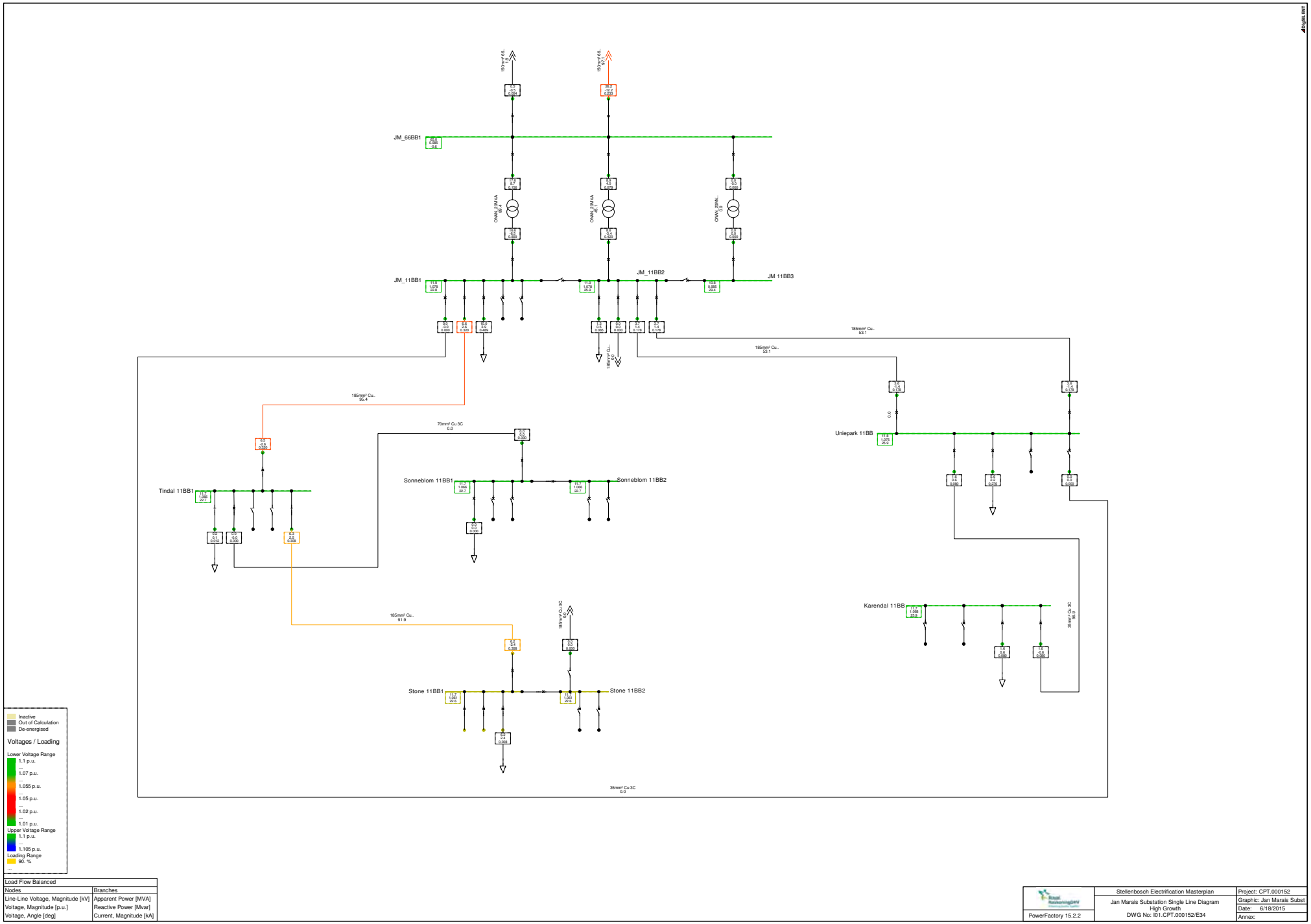

Mn_66BB1
Mn_66BB2
Mn_66BB3
Mn_66BB4
Id_11BB1
Id_11BB2
Id_11BB3
Devon Valley 11BB1
Devon Valley_11BB2
Begraafplaas 11BB1
Begraafplaas 11BB2
Mondi 11BB
Tortelduif 11BB
Lower Dorp 11BB1
Lower Dorp 11BB2
LD_11BB3
Distell 11BB1
Distell 11BB2
Polkadraai 11BB
Kwarentyn 11BB1
Kwarentyn 11BB2
Inactive
Out of Calculation
De-energised
Voltages / Loading
Lower Voltage Range
1.1 p.u.
1.07 p.u.
1.055 p.u.
1.05 p.u.
1.02 p.u.
1.01 p.u.
Upper Voltage Range
1.1 p.u.
1.105 p.u.
Loading Range
90. %
Load Flow Balanced
Nodes
Branches
Line-Line Voltage, Magnitude [kV]
Apparent Power [MVA]
Voltage, Magnitude [p.u.]
Reactive Power [Mvar]
Voltage, Angle [deg]
Current, Magnitude [kA]
PowerFactory 15.2.2
Stellenbosch Electrification Masterplan
Main Substation Single Line Diagram
High Growth
DWG NO: I01.CPT.000152/E31
Project: CPT.000152
Graphic: Main Substation
Date: 6/18/2015
Annex:



Load Flow Balanced	
Nodes	Branches
Line-Line Voltage, Magnitude [kV]	Apparent Power [MVA]
Voltage, Magnitude [p.u.]	Reactive Power [Mvar]
Voltage, Angle [deg]	Current, Magnitude [kA]

PowerFactory 15.2.2	Stellenbosch Electrification Masterplan	Project: CPT.000152
	Markotter Single Line Diagram High Growth DWG NO: I01.CPT.000152/E32	Graphic: Markotter Date: 6/18/2015 Annex:

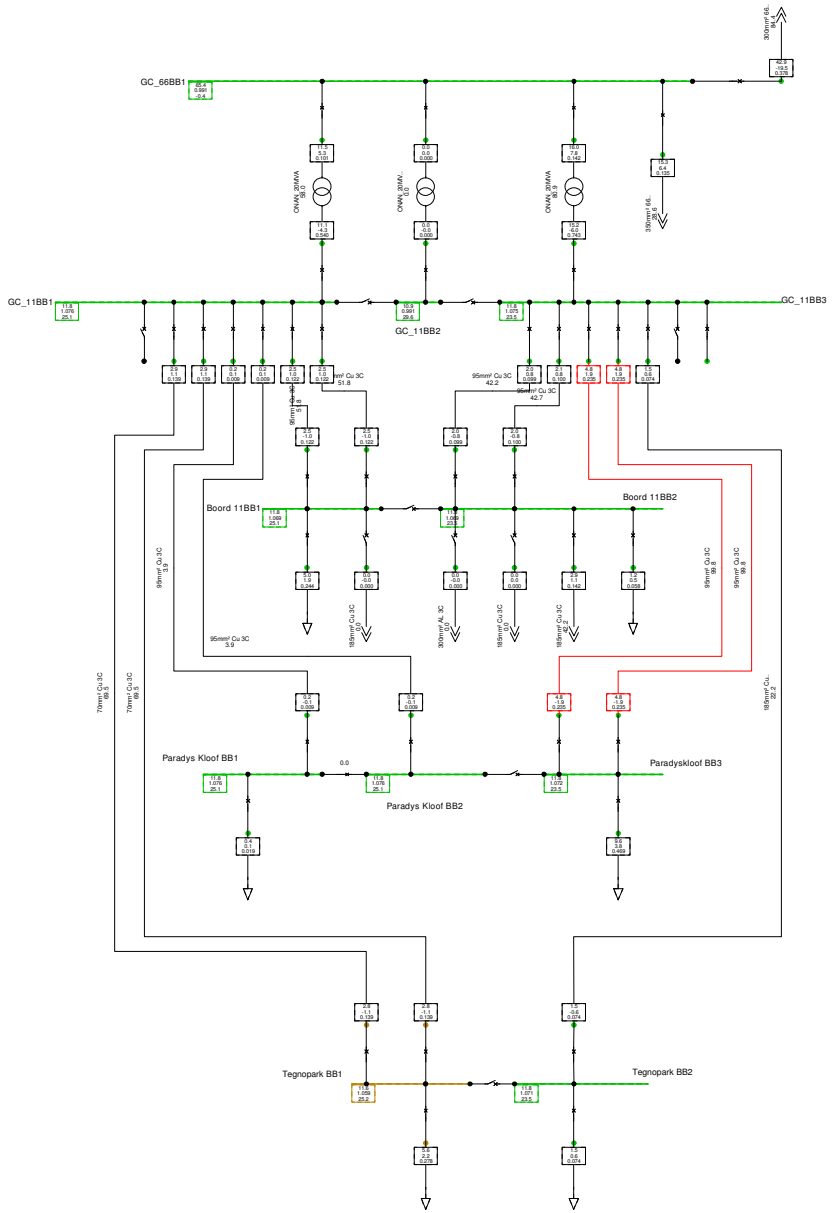

Terminal(16)
Un_66BB1
Univ RMU 11BB1
Un_11BB1
Un_11BB2
Un_11BB3
Eng Fac 11BB
Bosman 11BB1
Bosman 11BB2
Stadsaal 11BB1
Stadsaal 11BB2
MerrimanZ 11BB1
MerrimanZ 11BB2
Dennegoord 11BB1
Kerk 11BB
Eikestad Mall 11BB
Langenhoven 11BB
Kromrivier 11BB1
LaCollien 11BB
Inactive
Out of Calculation
De-energised
Voltages / Loading
Lower Voltage Range
1.1 p.u.
1.07 p.u.
1.055 p.u.
1.05 p.u.
1.02 p.u.
1.01 p.u.
Upper Voltage Range
1.1 p.u.
1.105 p.u.
Loading Range
90. %
Load Flow Balanced
Nodes
Branches
Line-Line Voltage, Magnitude [kV]
Voltage, Magnitude [p.u.]
Voltage, Angle [deg]
Apparent Power [MVA]
Reactive Power [Mvar]
Current, Magnitude [kA]
PowerFactory 15.2.2
Stellenbosch Electrification Masterplan
University Substation Single Line Diagram
High Growth
DWG No: I01.CPT.000152/E33
Project: CPT.000152
Graphic: University Substat
Date: 6/18/2015
Annex:



Load Flow Balanced	
Nodes	Branches
Line-Line Voltage, Magnitude [kV]	Apparent Power [MVA]
Voltage, Magnitude [p.u.]	Reactive Power [Mvar]
Voltage, Angle [deg]	Current, Magnitude [kA]

PowerFactory 15.2.2

Stellenbosch Electrification Masterplan	Project: CPT.000152
Jan Marais Substation Single Line Diagram High Growth DWG No: I01.CPT.000152/E34	Graphic: Jan Marais Subst Date: 6/18/2015 Annex:



Inactive
Out of Calculation
De-energised

Voltages / Loading

Lower Voltage Range
1.1 p.u.
1.07 p.u.
1.055 p.u.
1.05 p.u.
1.02 p.u.
1.01 p.u.

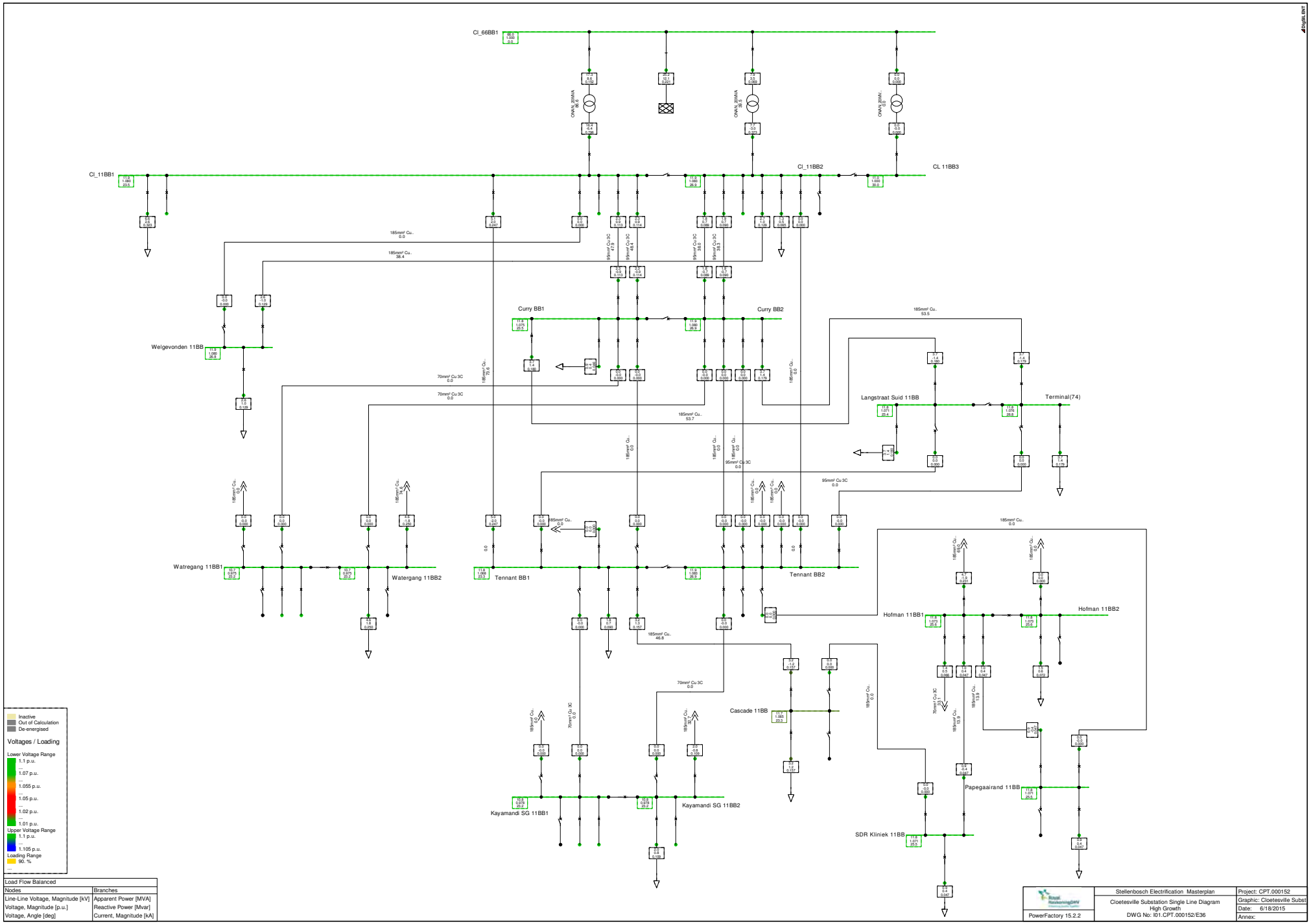
Upper Voltage Range
1.1 p.u.
1.105 p.u.

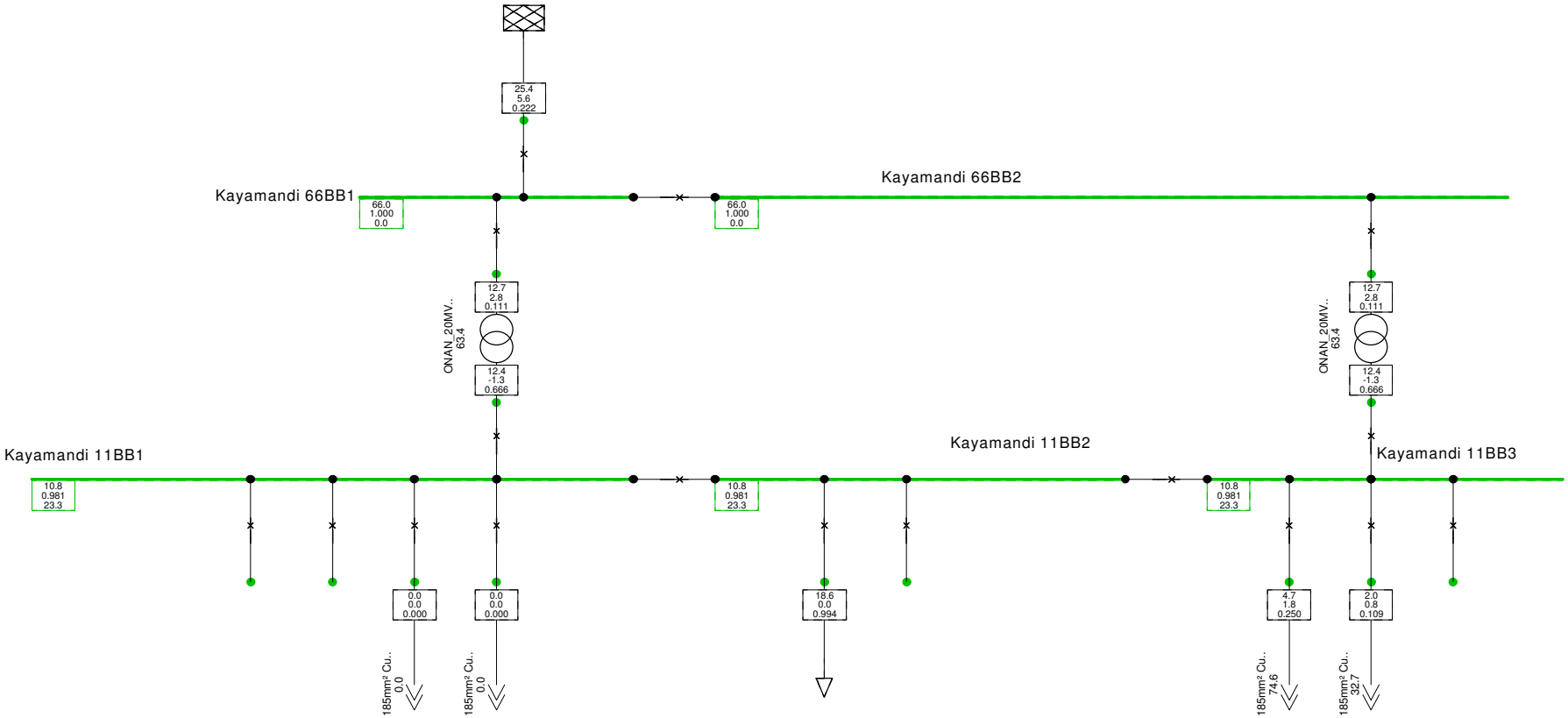
Loading Range
90. %

Load Flow Balanced	
Nodes	Branches
Line-Line Voltage, Magnitude [kV]	Apparent Power [MVA]
Voltage, Magnitude [p.u.]	Reactive Power [Mvar]
Voltage, Angle [deg]	Current, Magnitude [kA]

PowerFactory 15.2.2

Stellenbosch Electrification Masterplan		Project: CPT.000152
Golf Club Substation Single Line Diagram High Growth DWG No: I01.CPT.000152/E35		Graphic: Golf Club Substati Date: 6/18/2015 Annex:

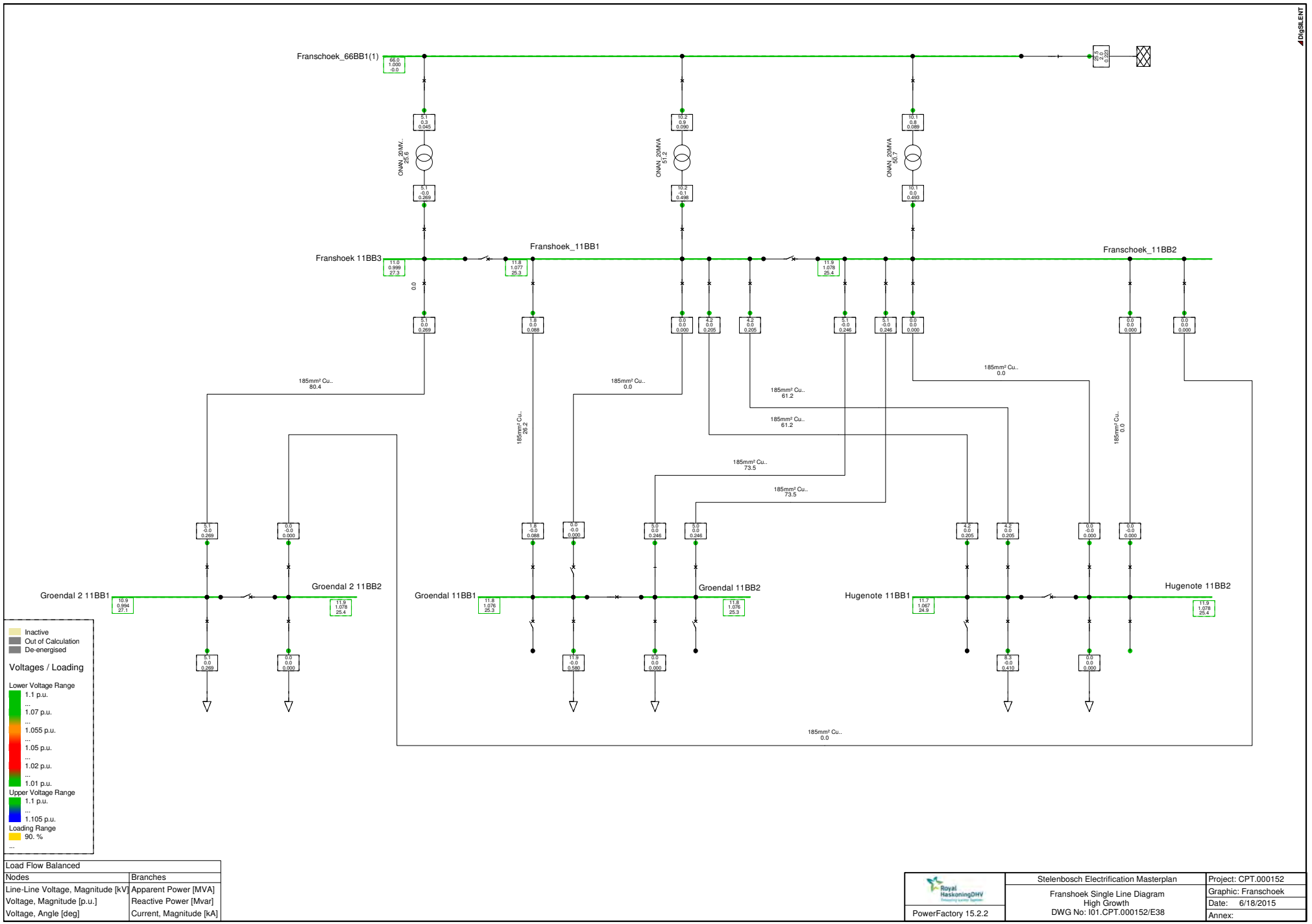

Cl_66BB1
Cl_11BB1
Cl_11BB2
CL 11BB3
Curry BB1
Curry BB2
Welgevonden 11BB
Langstraat Suid 11BB
Terminal(74)
Watregang 11BB1
Watergang 11BB2
Tennant BB1
Tennant BB2
Hofman 11BB1
Hofman 11BB2
Cascade 11BB
Papegaairand 11BB
SDR Kliniek 11BB
Kayamandi SG 11BB1
Kayamandi SG 11BB2
Inactive
Out of Calculation
De-energised
Voltages / Loading
Lower Voltage Range
1.1 p.u.
1.07 p.u.
1.055 p.u.
1.05 p.u.
1.02 p.u.
1.01 p.u.
Upper Voltage Range
1.1 p.u.
1.105 p.u.
Loading Range
90. %
Load Flow Balanced
Nodes
Line-Line Voltage, Magnitude [kV]
Voltage, Magnitude [p.u.]
Voltage, Angle [deg]
Branches
Apparent Power [MVA]
Reactive Power [Mvar]
Current, Magnitude [kA]
PowerFactory 15.2.2
Stellenbosch Electrification Masterplan
Cloetesville Substation Single Line Diagram
High Growth
DWG No: I01.CPT.000152/E36
Project: CPT.000152
Graphic: Cloetesville Subst
Date: 6/18/2015
Annex:

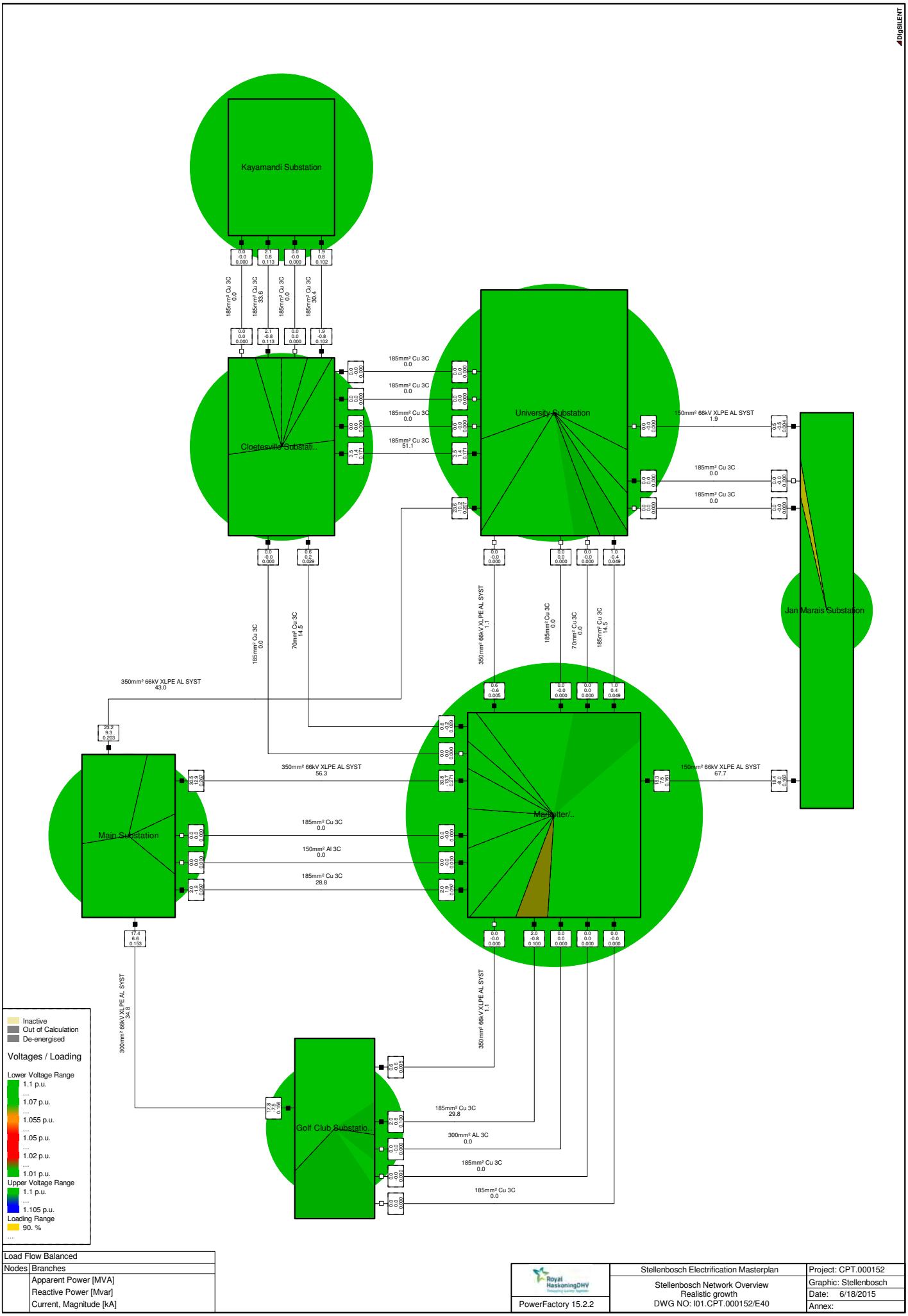


DIgSILENT

Load Flow Balanced	
Nodes	Branches
Line-Line Voltage, Magnitude [kV]	Apparent Power [MVA]
Voltage, Magnitude [p.u.]	Reactive Power [Mvar]
Voltage, Angle [deg]	Current, Magnitude [kA]

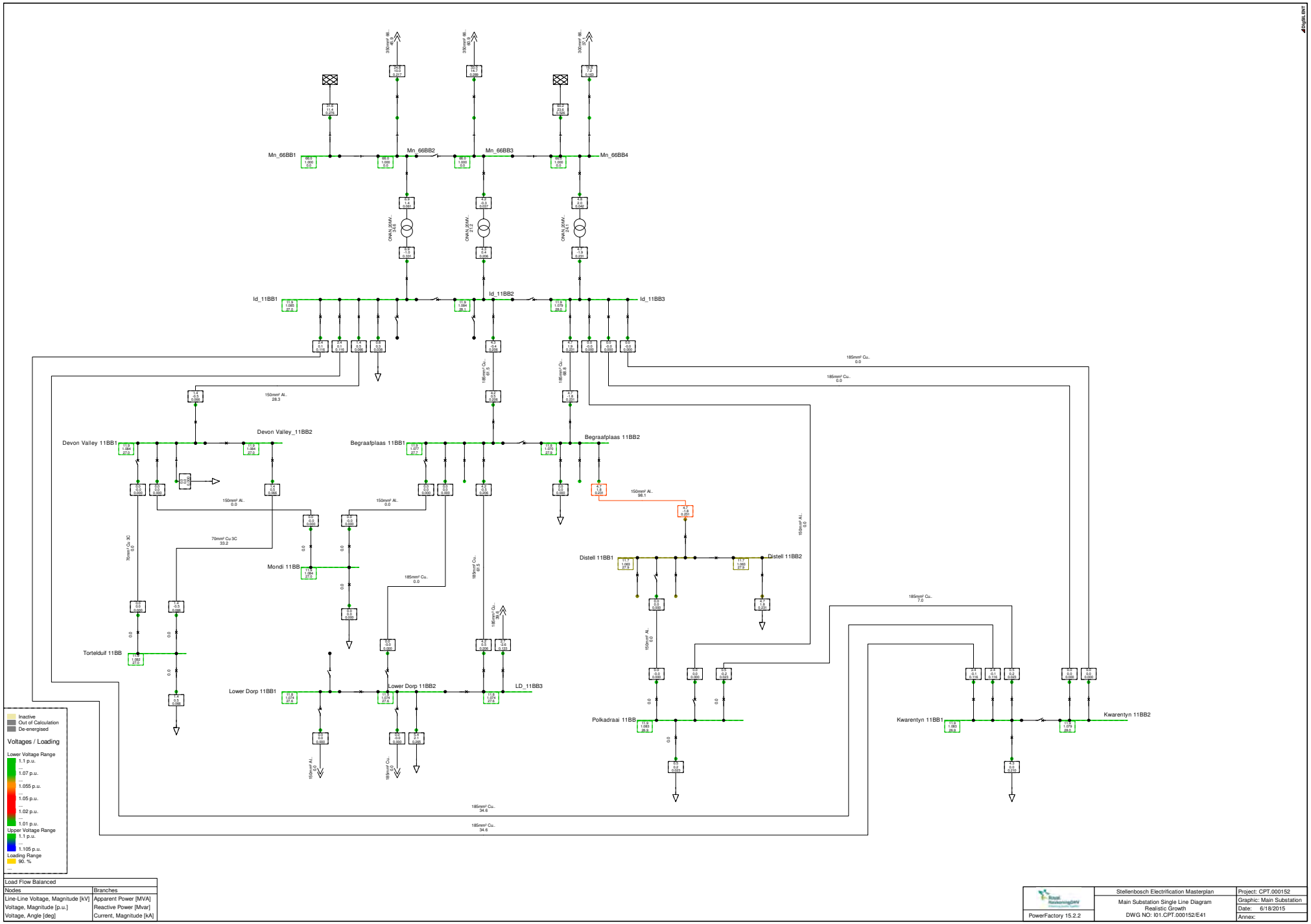
Royal HaskoningDHV	Stellenbosch Electrification Masterplan	Project: CPT.000152
	Kayamandi Single Line Diagram High Growth DWG No: I01.CPT.000152/E37	Graphic: Kayamandi Subst
PowerFactory 15.2.2		Date: 6/18/2015
		Annex:

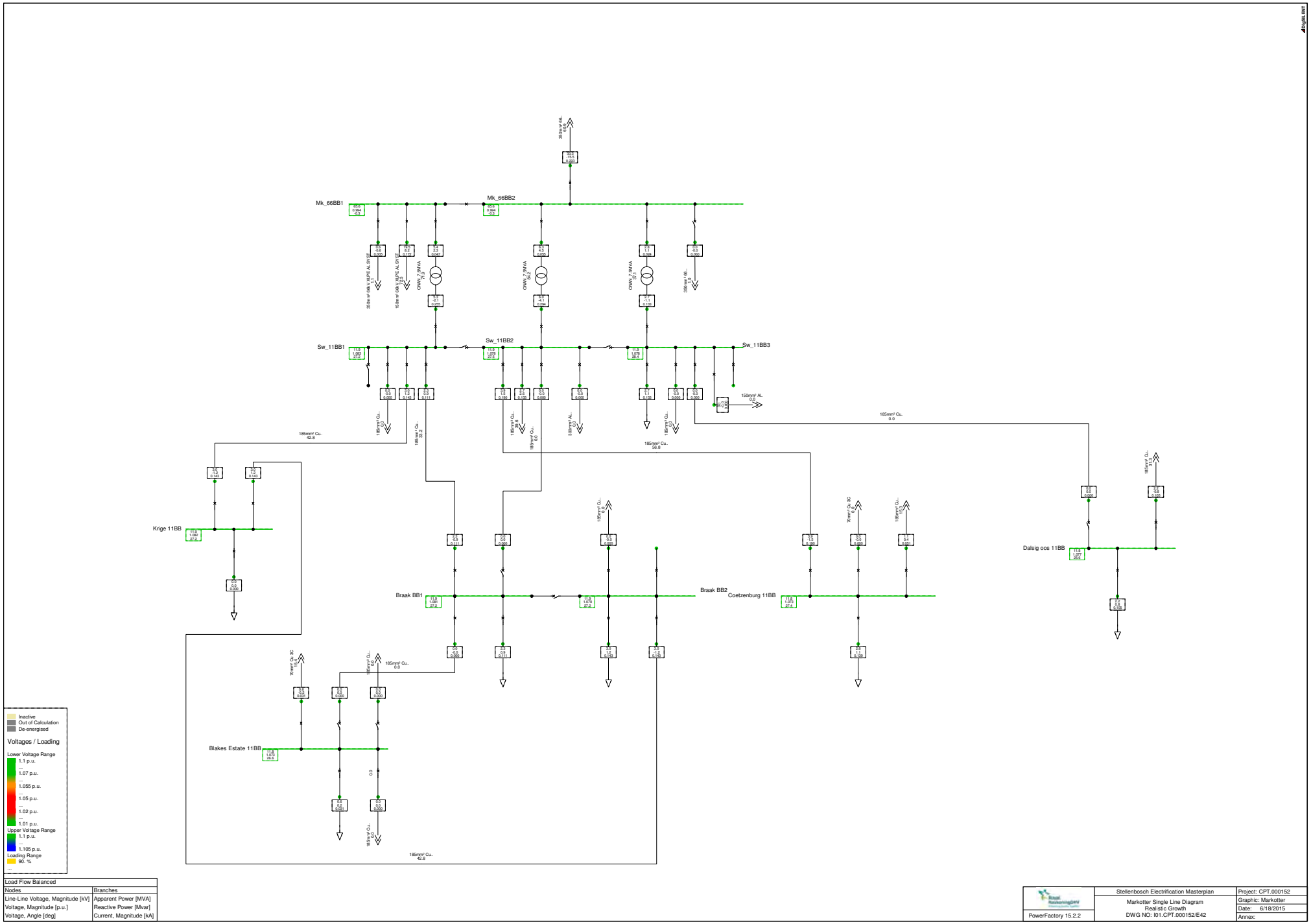

Franschoek_66BB1(1)
Franshoek 11BB3
Franshoek_11BB1
Franschoek_11BB2
Groendal 2 11BB1
Groendal 2 11BB2
Groendal 11BB1
Groendal 11BB2
Hugenote 11BB1
Hugenote 11BB2
ONAN_20MV..
25.6
ONAN_20MVA
51.2
ONAN_20MVA
50.7
185mm² Cu..
80.4
185mm² Cu..
0.0
185mm² Cu..
61.2
185mm² Cu..
61.2
185mm² Cu..
73.5
185mm² Cu..
73.5
185mm² Cu..
29.2
185mm² Cu..
0.0
185mm² Cu..
0.0
Inactive
Out of Calculation
De-energised
Voltages / Loading
Lower Voltage Range
1.1 p.u.
1.07 p.u.
1.055 p.u.
1.05 p.u.
1.02 p.u.
1.01 p.u.
Upper Voltage Range
1.1 p.u.
1.105 p.u.
Loading Range
90. %
Load Flow Balanced
Nodes
Line-Line Voltage, Magnitude [kV]
Voltage, Magnitude [p.u.]
Voltage, Angle [deg]
Branches
Apparent Power [MVA]
Reactive Power [Mvar]
Current, Magnitude [kA]
PowerFactory 15.2.2
Stelenbosch Electrification Masterplan
Franshoek Single Line Diagram
High Growth
DWG No: I01.CPT.000152/E38
Project: CPT.000152
Graphic: Franschoek
Date: 6/18/2015
Annex:



Load Flow Balanced	
Nodes	Branches
	Apparent Power [MVA]
	Reactive Power [Mvar]
	Current, Magnitude [kA]

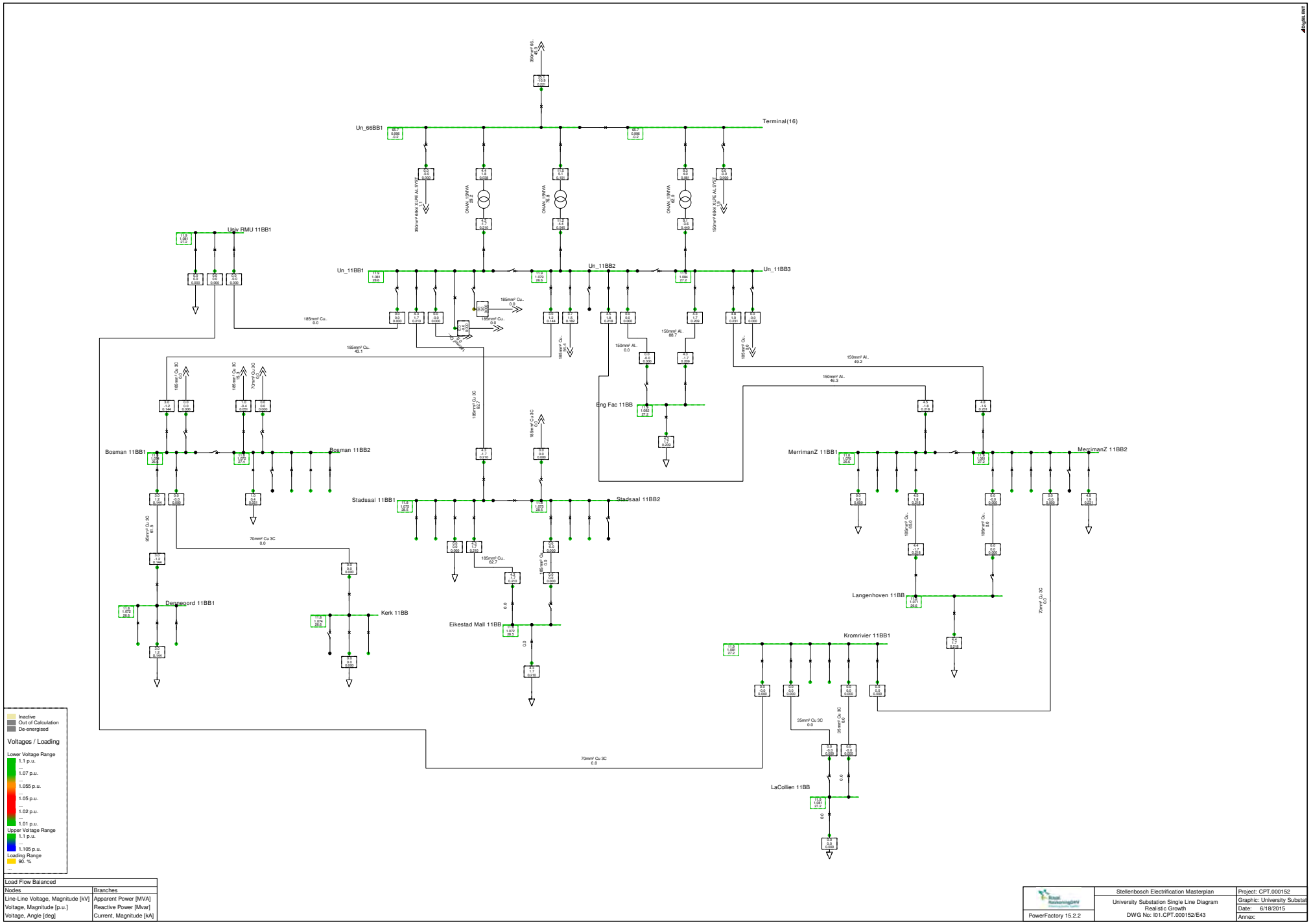
Royal HaskoningDHV	Stellenbosch Electrification Masterplan	Project: CPT.000152
	Stellenbosch Network Overview Realistic growth DWG NO: I01.CPT.000152/E40	Graphic: Stellenbosch Date: 6/18/2015 Annex:
PowerFactory 15.2.2		

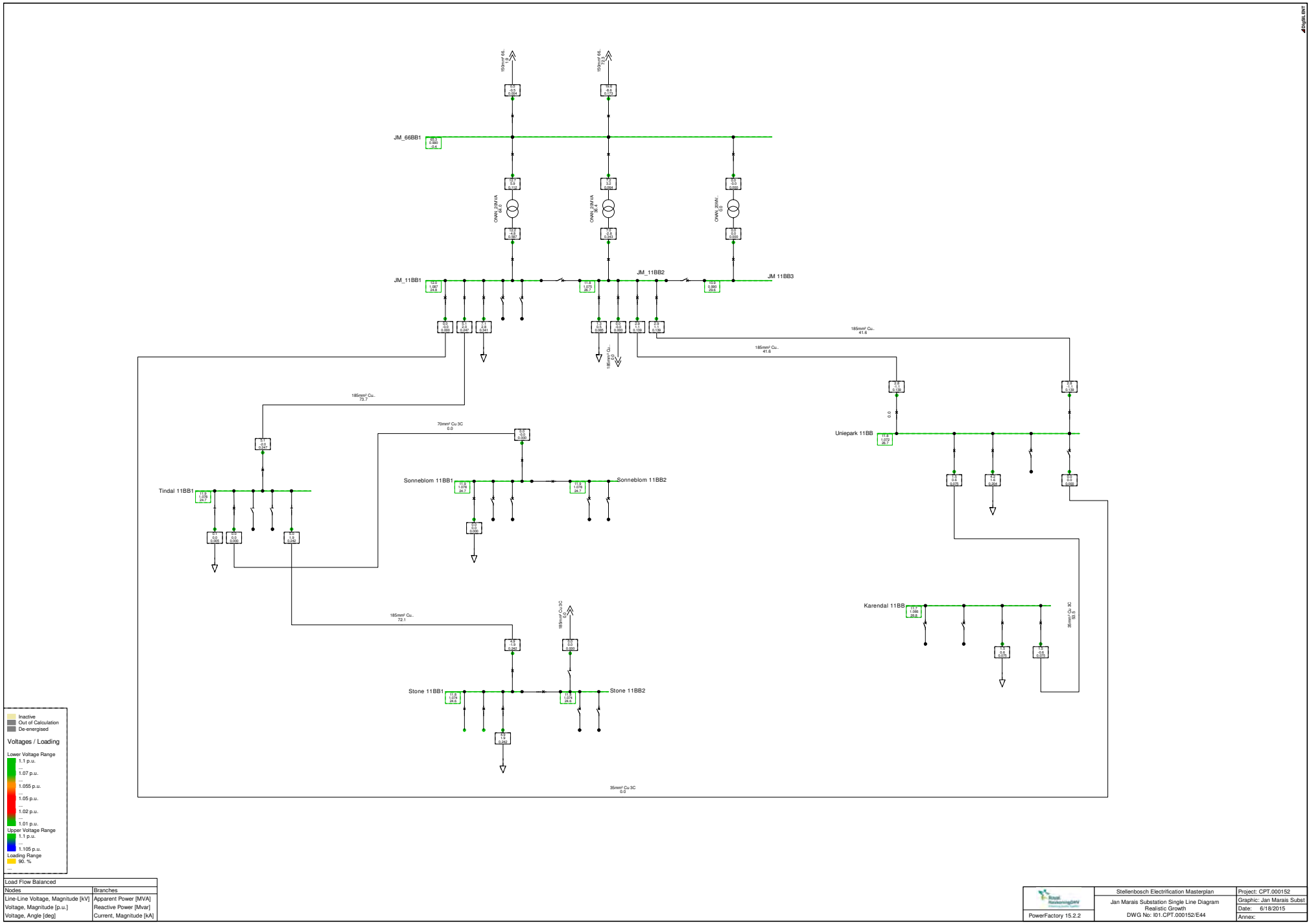

Mn_66BB1
Mn_66BB2
Mn_66BB3
Mn_66BB4
Id_11BB1
Id_11BB2
Id_11BB3
Devon Valley 11BB1
Devon Valley_11BB2
Begraafplaas 11BB1
Begraafplaas 11BB2
Mondi 11BB
Torteldulf 11BB
Lower Dorp 11BB1
Lower Dorp 11BB2
LD_11BB3
Distell 11BB1
Distell 11BB2
Polkadraai 11BB
Kwarentyn 11BB1
Kwarentyn 11BB2
Inactive
Out of Calculation
De-energised
Voltages / Loading
Lower Voltage Range
1.1 p.u.
1.07 p.u.
1.055 p.u.
1.05 p.u.
1.02 p.u.
1.01 p.u.
Upper Voltage Range
1.1 p.u.
1.105 p.u.
Loading Range
90. %
Load Flow Balanced
Nodes
Branches
Line-Line Voltage, Magnitude [kV]
Apparent Power [MVA]
Voltage, Magnitude [p.u.]
Reactive Power [Mvar]
Voltage, Angle [deg]
Current, Magnitude [kA]
PowerFactory 15.2.2
Stellenbosch Electrification Masterplan
Main Substation Single Line Diagram
Realistic Growth
DWG NO: I01.CPT.000152/E41
Project: CPT.000152
Graphic: Main Substation
Date: 6/18/2015
Annex:

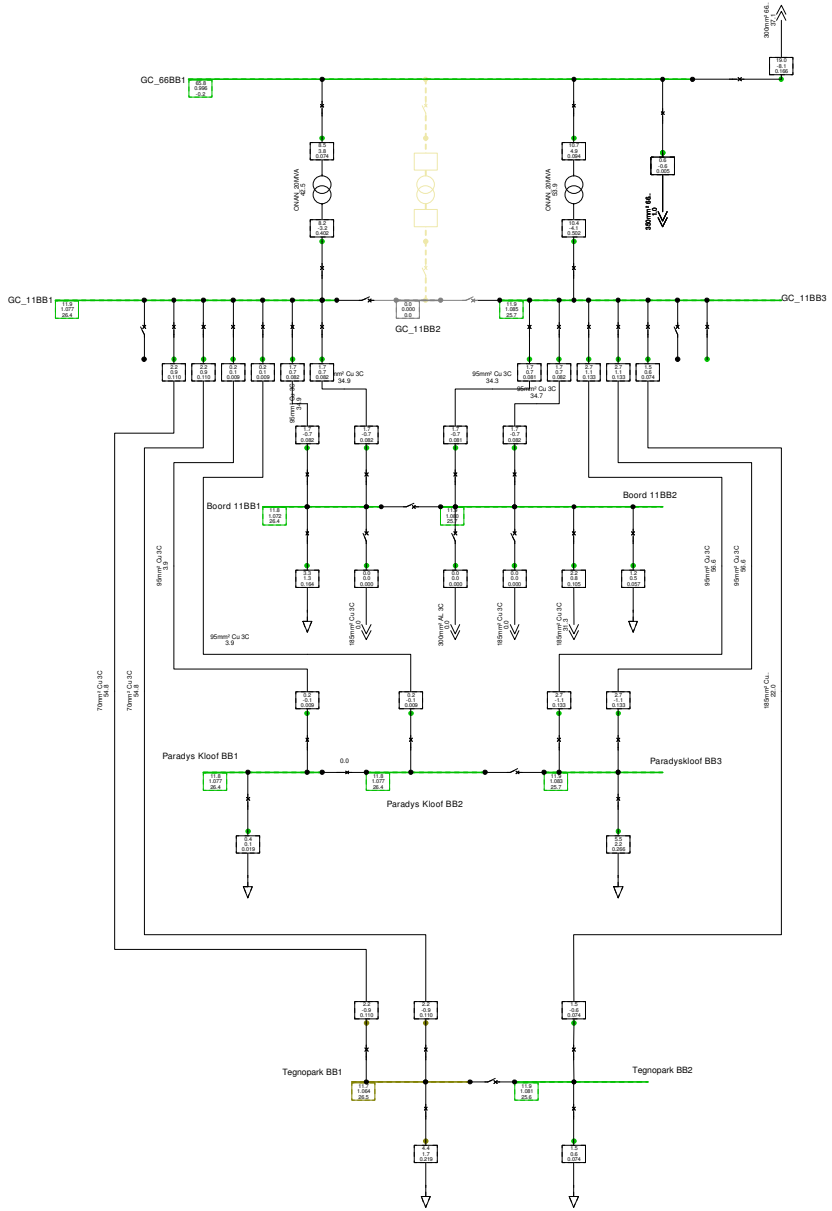


Load Flow Balanced	
Nodes	Branches
Line-Line Voltage, Magnitude [kV]	Apparent Power [MVA]
Voltage, Magnitude [p.u.]	Reactive Power [Mvar]
Voltage, Angle [deg]	Current, Magnitude [kA]

PowerFactory 15.2.2	Stellenbosch Electrification Masterplan	Project: CPT.000152
	Markotter Single Line Diagram Realistic Growth DWG NO: I01.CPT.000152/E42	Graphic: Markotter Date: 6/18/2015 Annex:


Un_66BB1
Terminal(16)
Univ RMU 11BB1
Un_11BB1
Un_11BB2
Un_11BB3
Eng Fac 11BB
Bosman 11BB1
Bosman 11BB2
Stadsaal 11BB1
Stadsaal 11BB2
MerrimanZ 11BB1
MerrimanZ 11BB2
Dennegoord 11BB1
Kerk 11BB
Eikestad Mall 11BB
Langenhoven 11BB
Kromrivier 11BB1
LaCollien 11BB
Inactive
Out of Calculation
De-energised
Voltages / Loading
Lower Voltage Range
1.1 p.u.
1.07 p.u.
1.055 p.u.
1.05 p.u.
1.02 p.u.
1.01 p.u.
Upper Voltage Range
1.1 p.u.
1.105 p.u.
Loading Range
90. %
Load Flow Balanced
Nodes
Branches
Line-Line Voltage, Magnitude [kV]
Voltage, Magnitude [p.u.]
Voltage, Angle [deg]
Apparent Power [MVA]
Reactive Power [Mvar]
Current, Magnitude [kA]
PowerFactory 15.2.2
Stellenbosch Electrification Masterplan
University Substation Single Line Diagram
Realistic Growth
DWG No: I01.CPT.000152/E43
Project: CPT.000152
Graphic: University Substat
Date: 6/18/2015
Annex:


JM_66BB1
JM_11BB1
JM_11BB2
JM 11BB3
Uniepark 11BB
Tindal 11BB1
Sonneblom 11BB1
Sonneblom 11BB2
Karendal 11BB
Stone 11BB1
Stone 11BB2
185mm² Cu..
41.6
185mm² Cu..
73.7
70mm² Cu 3C
0.0
185mm² Cu..
72.1
35mm² Cu 3C
0.0
Inactive
Out of Calculation
De-energised
Voltages / Loading
Lower Voltage Range
1.1 p.u.
1.07 p.u.
1.055 p.u.
1.05 p.u.
1.02 p.u.
1.01 p.u.
Upper Voltage Range
1.1 p.u.
1.105 p.u.
Loading Range
90. %
Load Flow Balanced
Nodes
Branches
Line-Line Voltage, Magnitude [kV]
Voltage, Magnitude [p.u.]
Voltage, Angle [deg]
Apparent Power [MVA]
Reactive Power [Mvar]
Current, Magnitude [kA]
PowerFactory 15.2.2
Stellenbosch Electrification Masterplan
Jan Marais Substation Single Line Diagram
Realistic Growth
DWG No: I01.CPT.000152/E44
Project: CPT.000152
Graphic: Jan Marais Subst
Date: 6/18/2015
Annex:



Inactive
Out of Calculation
De-energised

Voltages / Loading

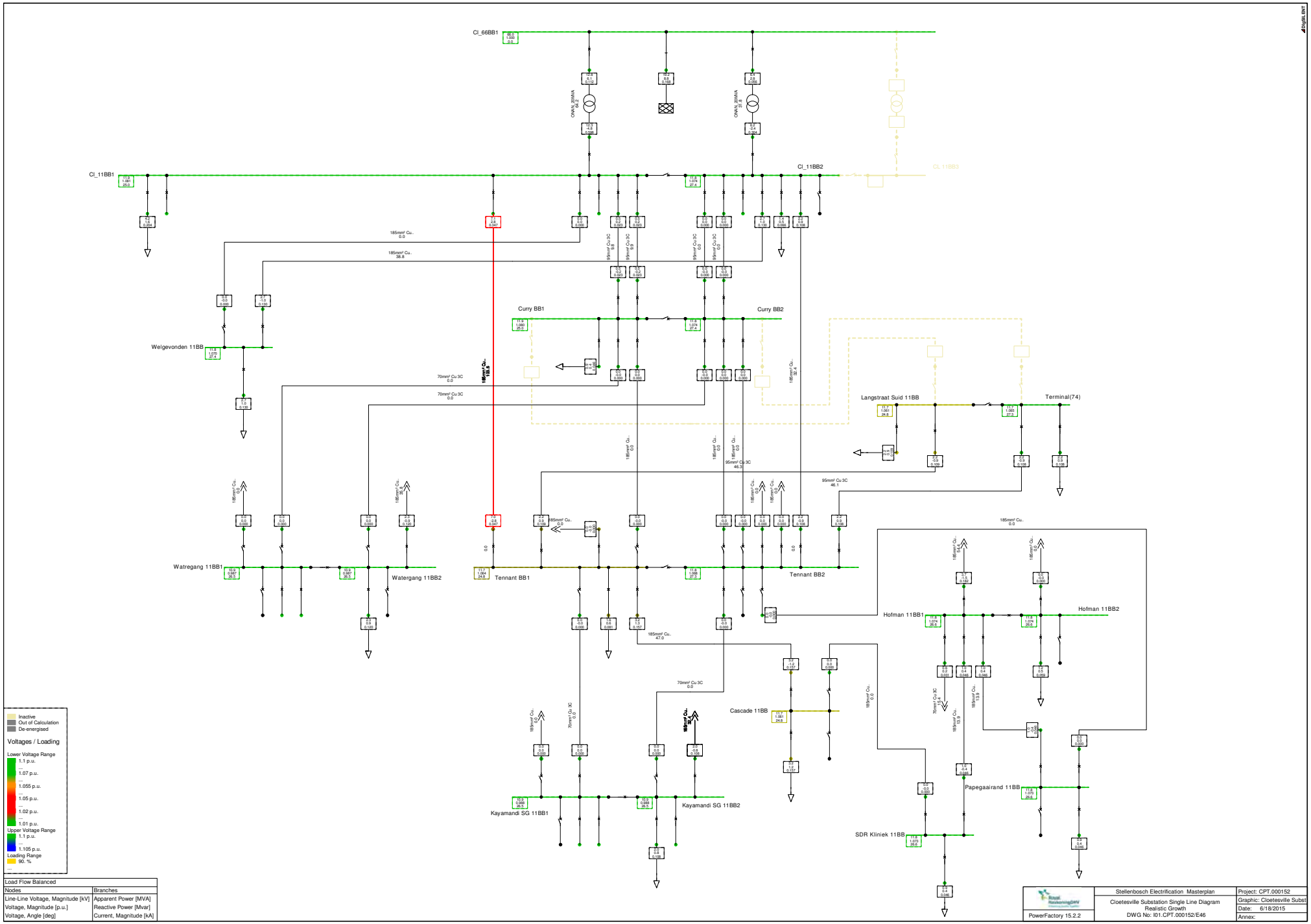
Lower Voltage Range
1.1 p.u.
1.07 p.u.
1.055 p.u.
1.05 p.u.
1.02 p.u.
1.01 p.u.

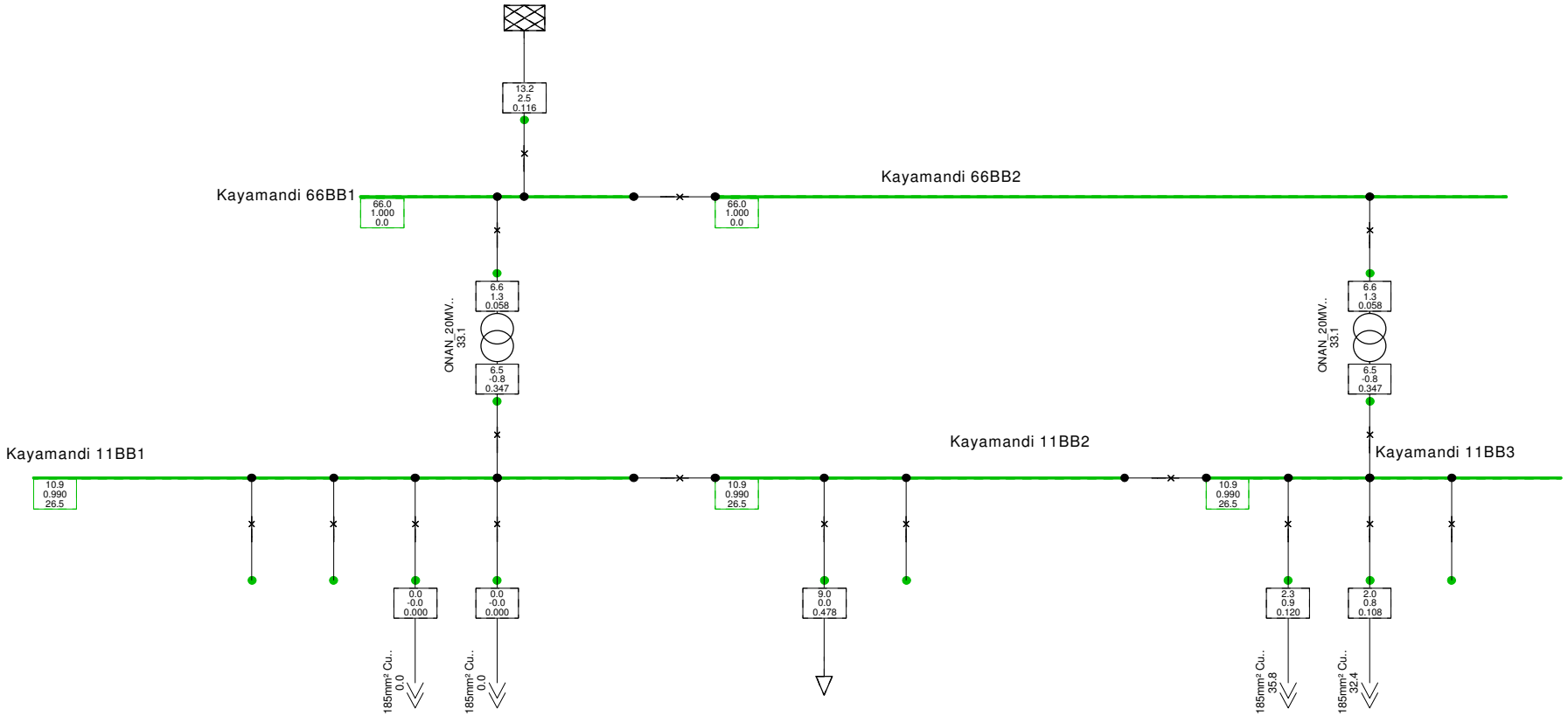
Upper Voltage Range
1.1 p.u.
1.105 p.u.

Loading Range
90. %

Load Flow Balanced	
Nodes	Branches
Line-Line Voltage, Magnitude [kV]	Apparent Power [MVA]
Voltage, Magnitude [p.u.]	Reactive Power [Mvar]
Voltage, Angle [deg]	Current, Magnitude [kA]

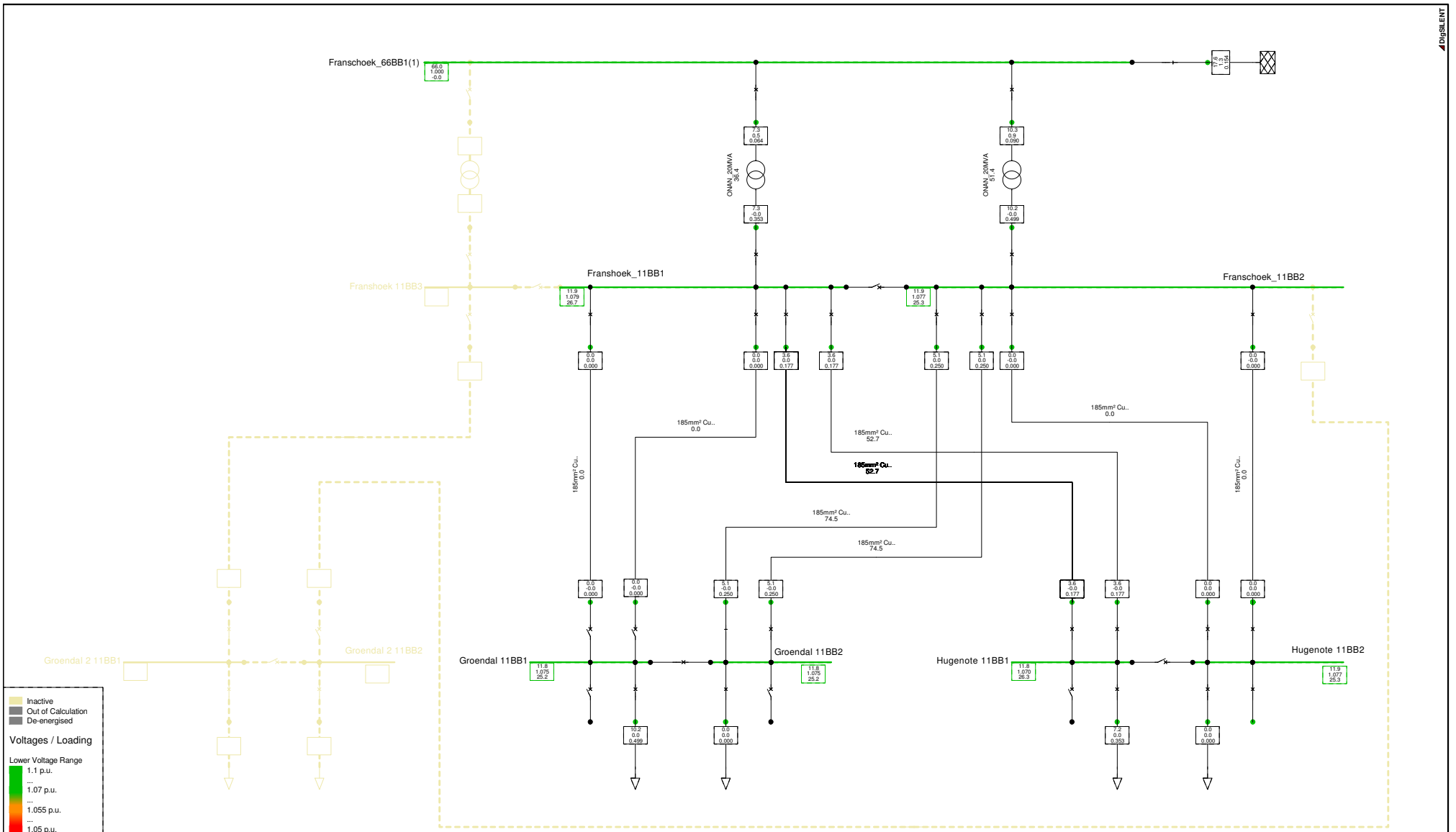
PowerFactory 15.2.2	Stellenbosch Electrification Masterplan	Project: CPT.000152
	Golf Club Substation Single Line Diagram Realistic Growth DWG No: I01.CPT.000152/E45	Graphic: Golf Club Substati Date: 6/18/2015 Annex:


Cl_66BB1
Cl_11BB1
Cl_11BB2
Curry BB1
Curry BB2
Welgevonden 11BB
Watregang 11BB1
Watergang 11BB2
Tennant BB1
Tennant BB2
Langstraat Suid 11BB
Terminal(74)
Hofman 11BB1
Hofman 11BB2
Cascade 11BB
Papegaairand 11BB
SDR Kliniek 11BB
Kayamandi SG 11BB1
Kayamandi SG 11BB2
Inactive
Out of Calculation
De-energised
Voltages / Loading
Lower Voltage Range
1.1 p.u.
1.07 p.u.
1.055 p.u.
1.05 p.u.
1.02 p.u.
1.01 p.u.
Upper Voltage Range
1.1 p.u.
1.105 p.u.
Loading Range
90. %
Load Flow Balanced
Nodes
Line-Line Voltage, Magnitude [kV]
Voltage, Magnitude [p.u.]
Voltage, Angle [deg]
Branches
Apparent Power [MVA]
Reactive Power [Mvar]
Current, Magnitude [kA]
PowerFactory 15.2.2
Stellenbosch Electrification Masterplan
Cloetesville Substation Single Line Diagram
Realistic Growth
DWG No: I01.CPT.000152/E46
Project: CPT.000152
Graphic: Cloetesville Subst
Date: 6/18/2015
Annex:



Load Flow Balanced	
Nodes	Branches
Line-Line Voltage, Magnitude [kV]	Apparent Power [MVA]
Voltage, Magnitude [p.u.]	Reactive Power [Mvar]
Voltage, Angle [deg]	Current, Magnitude [kA]

Royal HaskoningDHV	Stellenbosch Electrification Masterplan	Project: CPT.000152
	Kayamandi Single Line Diagram Realistic growth DWG No: I01.CPT.000152/E47	Graphic: Kayamandi Subst
PowerFactory 15.2.2		Date: 6/18/2015
		Annex:



Load Flow Balanced	
Nodes	Branches
Line-Line Voltage, Magnitude [kV]	Apparent Power [MVA]
Voltage, Magnitude [p.u.]	Reactive Power [Mvar]
Voltage, Angle [deg]	Current, Magnitude [kA]

Royal HaskoningDHV	Stelenbosch Electrification Masterplan	Project: CPT.000152
	Franshoek Single Line Diagram Realistic Growth DWG No: I01.CPT.000152/E48	Graphic: Franschoek Date: 6/18/2015 Annex:
PowerFactory 15.2.2		

APPENDIX E : NETWORK PLAN LAYOUT DRAWINGS

DRAWING NUMBER	TITLE
I01.CPT.000127/E10	Plan Layout of Network: Stellenbosch (2034)
I01.CPT.000127/E11	Plan Layout of Network: Franschhoek (2034)

N

CLOETESVILLE

CURRY

UPGRADED LANGSTRAAT SUID

KAYAMANDI

WATERGANG

UNIVERSITY

JAN MARAIS

UNIEPARK

MARKOTTER

STELLENBOSCH MAIN

POLKADRAAI

KWARENTYN

GOLF CLUB

Legend

- PROPOSED HV/MV SUBSTATION
- PROPOSED MV/MV SUBSTATION
- EXISTING HV/MV SUBSTATION
- EXISTING MV/MV SUBSTATION
- EXISTING 11kV CABLE
- EXISTING 66kV OHL/CABLE
- PROPOSED 11kV CABLE
- PROPOSED 66kV OHL/CABLE

Royal HaskoningDHV
Enhancing Society Together

STELLENBOSCH
STELLENBOSCH • PNIEL • FRANSCHHOEK
MUNICIPALITY • UMASIPALA • MUNISIPALITEIT

STELLENBOSCH MUNICIPALITY ELECTRICAL INFRASTRUCTURE MASTERPLAN:

STELLENBOSCH TOWN: PROPOSED UPGRADES

SCALE: 1:10 000

I01.CPT.000152/E10 - REV 0

N

FRANSCHHOEK

GROENDAL

HUGENOTE

Legend

- PROPOSED HV/MV SUBSTATION
- PROPOSED MV/MV SUBSTATION
- EXISTING HV/MV SUBSTATION
- EXISTING MV/MV SUBSTATION
- EXISTING 11kV CABLE
- PROPOSED 11kV CABLE
- PROPOSED 66kV OHL/CABLE

Royal HaskoningDHV
Enhancing Society Together

STELLENBOSCH
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MUNICIPALITY • UMASIPALA • MUNISIPALITEIT

STELLENBOSCH MUNICIPALITY ELECTRICAL INFRASTRUCTURE MASTERPLAN:

FRANSCHHOEK TOWN: PROPOSED UPGRADES

SCALE: 1:4 000

I01.CPT.000152/E11 - REV 0

7.4 CLOSURE OF SCHOOL STREET, JAMESTOWN

File number	:	*8/1/ Engineering Services*
Compiled by	:	*Manager: Transport, Roads and Stormwater*
Report by	:	*Acting Director: Engineering Services*
Delegated Authority	:	*Council*

Strategic intent of item

Preferred investment destination	
Greenest municipality	
Safest valley	
Dignified Living	
Good Governance	X

1. PURPOSE OF REPORT

For Council to take note of the decision by the Provincial Roads Department to close the School Street access on the R44.

2. BACKGROUND

When the Department of Transport and Public Works commented on the rezoning of erf 510/61 & 510/62 Jamestown they have set a condition that the School Street access on the R44 be permanently closed. They have since in their letter dated 2 April 2012 confirmed that they will close the roads themselves.

3. DISCUSSION

Jamestown is serviced with two access routes namely Webers Valley Road and School Street. Webers Valley Road is the main access linking Stellenbosch CBD to Jamestown. The School Street access is used to get to the cemetery, school, sport fields and a part of the residential area.

It is of concern that a neighbourhood the size of Jamestown be serviced by a single access road. With time the area will develop further and densify. These developments will increase traffic and decrease the level of service on a single access. Stellenbosch Municipality will not be able to resolve this situation without a second access road.

A single access road also increases Council's risk should a disaster occur. An accident on the intersection will make access to the area impossible.

The developer of Portion 87 of Farm 510 Jamestown, Messrs Exact Trade144 (Pty) Ltd also wrote to the Director of Transport and Public Works of Province to request them not to close the road (**APPENDIX 1**) No response has been received from the Provincial Roads Department.

The Directorate: Engineering Services has compiled two proposals (**APPENDIX 2**) that can address the safety concern of the Roads Engineer.

These proposals have now been submitted to the Roads Engineer to reconsider his decision.

4. COMMENTS FROM OTHER RELEVANT DEPARTMENTS

4.1 DIRECTORATE: PLANNING & ECONOMIC DEVELOPMENT

The closure of the access road off the R44 to the Jamestown Cemetery on Farm No 527, Stellenbosch is **not supported** from a Land Use Management perspective.

It is recommended that Council consider the alternative access arrangements as proposed by the engineering consultant and illustrated in the appendices to the report, in its comment to the Competent Roads Authority. The principle of an alternative access to Jamestown other than the Webbers Valley Street access is also supported.

4.2 DIRECTORATE: PUBLIC SAFETY & COMMUNITY SERVICES –

(Disaster Management - Wayne Smith)

No comment from my side.

RECOMMENDED

that Council note the proposed road closure.

(ACTING DIRECTOR: ENGINEERING SERVICES TO ACTION)

ENGINEERING SERVICES AND HUMAN SETTLEMENTS COMMITTEE MEETING: 2016-02-03: ITEM 5.1.3

RECOMMENDED

(a) that the closure of the access road off the R44 to the Jamestown Cemetery on Farm No 527, Stellenbosch, not be supported from a Land Use Management perspective;

(b) that the principle of alternative access to Jamestown other than the Webbers Valley Street access be supported; and

(c) that the Provincial Roads Department be requested to reconsider their decision to close School Street, Jamestown.

(ACTING DIRECTOR: ENGINEERING SERVICES TO ACTION)

MAYORAL COMMITTEE MEETING: 2016-02-17: ITEM 5.1.5

RECOMMENDED BY THE EXECUTIVE MAYOR

(a) that the closure of the access road off the R44 to the Jamestown Cemetery on Farm No 527, Stellenbosch, not be supported from a Land Use Management perspective;

(b) that the principle of alternative access to Jamestown other than the Webbers Valley Street access be supported; and

(c) that the Provincial Roads Department be requested to reconsider their decision to close School Street, Jamestown.

(ACTING DIRECTOR: ENGINEERING SERVICES TO ACTION)

ITEM 7.4

APPENDICES 1-2

CLOSURE OF SCHOOL STREET, JAMESTOWN

38TH COUNCIL MEETING: 2016-02-24

APPENDIX 1

STELLENBOSCH
STELLENBOSCH • PNIEL • FRANSCHHOEK
MUNISIPALITEIT • UMASIPALA • MUNICIPALITY

INNOVATION CAPITAL

Our Ref/Ons Verw:
Your Ref/U Verw: 13/3/5/1 – 25/11 (Job 15135)

11 November 2015

Department of Transport and Public Works
9 Dorp Street
CAPE TOWN
8000

Attention: Mr Malcolm Watters

CLOSING OF SCHOOL STREET, JAMESTOWN STELLENBOSCH

Your letter dated, 2 April 2012 ref no. 13/3/5/1 – 25/11 (Job 15135) refers.

The Municipality note your department concerns regarding the road safety at the intersection. However the access does fulfil an important function as it provides an access to the cemetery, sport fields, a school and a second access to the residential area.

The Municipality approached ICE Consulting Engineers to investigate alternative access arrangements that can meet your access standards. Attached two possible solutions for your consideration.

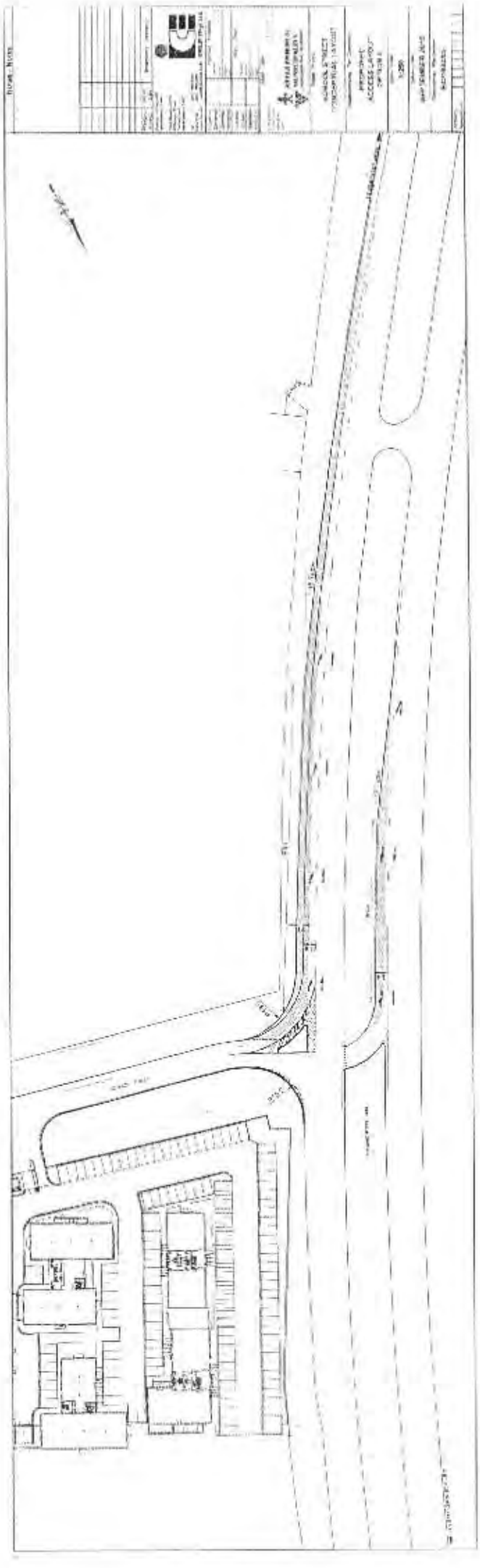
You are requested to reconsider your decision to close this access. Should you deem it necessary we would make ourselves available to discuss the merits and possible solutions.

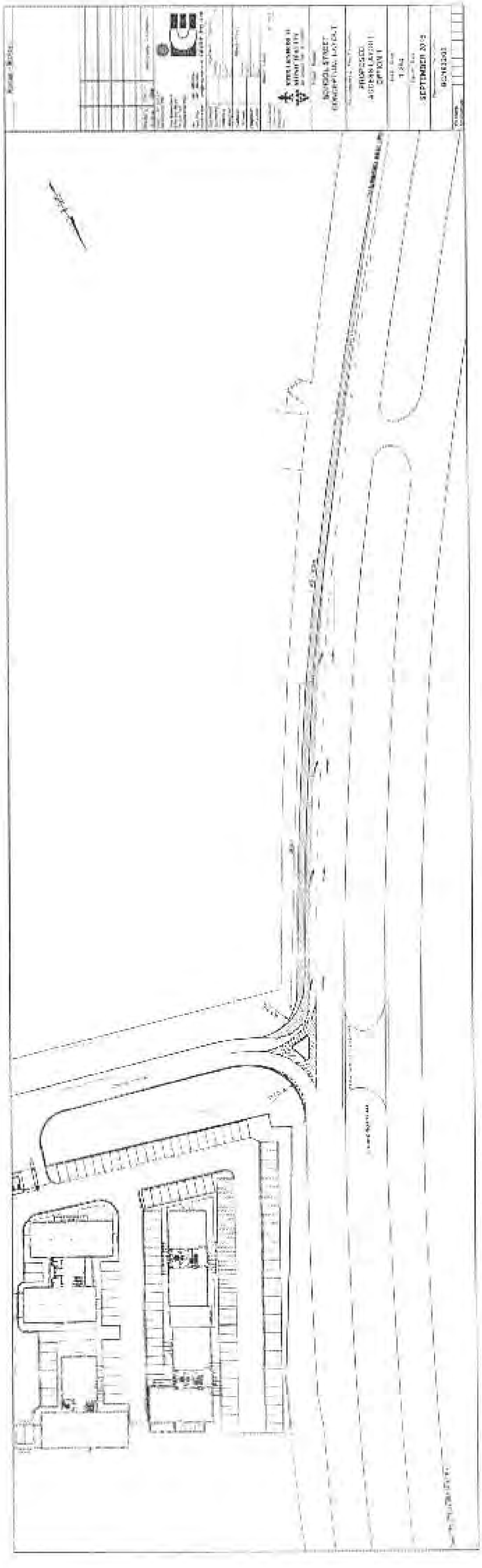
Kind regards

EJ Wentzel
Acting Director: Engineering Services

T: +27 21 808 8203 • F: +27 21 883 9874 • ej.wentzel@stellenbosch.gov.za
1 Plein Street, Ecclesia Building 1st Floor, Stellenbosch, 7600 • PO Box 17, Stellenbosch, 7599
www.stellenbosch.gov.za

APPENDIX 2




STELLENBOSCH MUNICIPALITY
SCHOOL STREET
CONCEPTUAL LAYOUT
PROPOSED
ACCESS LAYOUT
OPTION 1
SEPTEMBER

7.5 PERMISSION TO DONATE RAMBRICKS AKA COMPRESSED EARTH BLOCKS (CEBs) TO (PROVINCIAL) WESTERN CAPE GOVERNMENT'S GENIUS OF SPACE PROJECT FOR THE CONSTRUCTION OF A LABORATORY IN LANGRUG

File number : *8/1 Engineering Services*

Report by : *Acting Director: Engineering Services*

Compiled by : *Manager Solid Waste Management: Saliem Haider*

Delegated Authority : *Council*

Strategic intent of item

Preferred investment destination	X
Greenest municipality	X
Safest valley	
Dignified Living	X
Good Governance	X

1. PURPOSE OF THE REPORT

To obtain Council approval for the donation of CEBs to Western Cape Government's Genius of Space project for the construction of a $40m^2$ laboratory.

2. BACKGROUND

In 2013, Western Cape Government's Department: Environmental Affairs & Development Planning (D:EA&DP) contracted service providers to design a bioremediation technology, using bio mimicry and engineering principles in order to upgrade and improve informal settlements, which is also a task focus area of the Berg River Improvement Programme (BRIP).

As part of the 110% Green initiative, Western Cape Government's Department of Economic Development and Tourism (DEDAT) contracted service providers (much an overlap of above service providers) for the Genius of Place project, which required the project team to apply bio mimicry to explore nature-inspired solutions to the solid waste and grey water aspects of the polluted and deteriorating Berg River and its surrounding catchment. The Langrug informal settlement was identified through multi-stakeholder processes as a suitable focus site for the project.

Due to the similarities in the two projects, and the fact that the contracted service providers were same in both projects, it was decided in 2015 to merge both projects into the Genius of SPACE (Systems for People's Access to a Clean Environment) project.

The Genius of SPACE project has two distinct project aims, viz to decrease the Berg River water pollution loads and reduce the solid waste pollution in Langrug and the Berg River tributaries.

Stellenbosch Municipality has been an active partner through the development of both initial projects, by supporting and assisting where necessary in the development of the prototypes.

A Memorandum of Cooperation between Western Cape Government, represented by D:EA&DP's Piet van Zyl and Stellenbosch Municipality' represented by the Acting Municipal Manager, Dupre Lombaard was signed on 15 January 2016 **(APPENDIX 1).** The memorandum relates to a general partnership between the two spheres of government, for all work in the Stellenbosch Municipal area relating to the implementation of the Berg River Improvement Plan being done by WCG.

One of the key infrastructures that need to be erected is the up cycle laboratory which will be a flagship building that showcases how wastes of all kinds can be up cycled into items of greater value. The building will demonstrate how Rambricks (CEBs) made from landfill rubble and excavated clay can be up cycled into approved building bricks, and how these can be used to create a visually pleasing, sustainable and comfortable building.

Inside the up cycle laboratory building, activities will be focused on processing of organic waste. A major component of these activities will be the development of microenterprises linked to the up cycled waste.

3. DISCUSSION

WCG's representative for the project, Mr Jason Mingo, has formally requested a donation of the Rambricks from Stellenbosch Municipality in order to commence with construction of the up cycle laboratory in the first quarter of 2016 **(APPENDIX 2)**.

The Manager: Solid Waste Management, to whom the request was forwarded, sought assistance from Finance Department, as well as the Legal Department, and both the CFO and legal representative indicated that the delegation of donating municipal inventory (which is what the Rambricks are), rests with Council.

The size of the laboratory is approximately $40m^2$, and this would entail 2800 Rambricks (at a cost of R3.95 per block). It is further estimated that approximately 5 bags of slurry to a value of R360 per bag would be required, as well as the training of at least two builders and a minimum of two inspections (by the service provider manufacturing the blocks on the municipality's behalf) at a cost of R1500. The loading of the blocks would cost an additional R500. The total cost to the municipality by donating the blocks would thus be approximately R15 000.

Should Council agree to donate the blocks to WCG in order to fulfil its obligation in the Genius of SPACE project, it would also have the first constructed building from the material which this municipality has won an Innovation Award for. It will assist in the sales of the Rambricks whereby Stellenbosch Municipality would be able to recover a significant portion of the funds invested in the pilot project for the manufacturing of the Rambricks.

RECOMMENDED

(a) that Council approves the donation of 2800 Rambricks to WCG for the Genius of SPACE project for the construction of the up cycle laboratory; and

(b) that Council approves the donation of 5 bags of slurry for the above project.

(ACTING DIRECTOR: ENGINEERING SERVICES TO ACTION)

ENGINEERING SERVICES AND HUMAN SETTLEMENTS COMMITTEE MEETING: 2016-02-03: ITEM 5.1.4

RECOMMENDED

(a) that Council approves the donation of 2800 Rambricks to WCG for the Genius of SPACE Project for the construction of the upcycle laboratory; and

(b) that Council approves the donation of 5 bags of slurry for the above project.

(ACTING DIRECTOR: ENGINEERING SERVICES TO ACTION)

MAYORAL COMMITTEE MEETING: 2016-02-17: ITEM 5.1.6

RECOMMENDED BY THE EXECUTIVE MAYOR

(a) that Council approves the donation of 2800 Rambricks to WCG for the Genius of SPACE Project for the construction of the upcycle laboratory; and

(b) that Council approves the donation of 5 bags of slurry for the above project.

(ACTING DIRECTOR: ENGINEERING SERVICES TO ACTION)

ITEM 7.5

APPENDICES 1-2

PERMISSION TO DONATE RAMBRICKS
AKA COMPRESSED EARTH BLOCKS (CEBs)
TO (PROVINCIAL) WESTERN CAPE
GOVERNMENT'S GENIUS OF SPACE PROJECT
FOR THE CONSTRUCTION OF A LABORATORY
IN LANGRUG

38TH COUNCIL MEETING:
2016-02-24

APPENDIX 1

Western Cape Government
Environmental Affairs and Development Planning

CO-OPERATION AGREEMENT

Entered into by and between

THE WESTERN CAPE GOVERNMENT VIA ITS DEPARTMENT OF ENVIRONMENTAL AFFAIRS & DEVELOPMENT PLANNING

(Herein represented by **Mr Pieter van Zyl** in his capacity as Head of Department)

(Hereinafter referred to as "**the Department**")

and

THE STELLENBOSCH MUNICIPALITY

(Herein represented by **Mr Dupre Lombaard** in his capacity as Acting Municipal Manager)

(Hereinafter referred to as "**the Municipality**")

PREAMBLE

A. The Western Cape Government, in an effort to promote sustainable growth and development, has implemented the Berg River Implementation Plan (hereinafter referred to as "the BRIP"), in acknowledgement of the need for a greater collaborative effort to address water quality and availability within the Berg Water Management Area.

B. The BRIP prioritises eight key tasks for improving the ecological state of the catchment and in so doing enhance water quality and quantity. These eight tasks include:

- Water Quality Monitoring
- Upgrading of Wastewater Treatment Works
- Upgrading of Informal Settlements
- Development of Agriculture Best Practice
- Riparian Land Rehabilitation and Bioremediation
- Economic Cost-Benefit Analysis
- Ecological Integrity
- Tourism

C. The BRIP as it relates to the jurisdictional area of the Municipality shall be implemented on a project basis in terms of which the Department will initiate a project and the parties will agree to a terms of reference thereof, which projects may be implemented on either parties' land.

D. The adopted approach seeks to integrate environmental, social and economic objects to change the lives of people through the implementation of simple innovative interventions for future economic development and environmental protection.

E. The Agreement captures the methodology for the implementation of the Western Cape Government projects as referenced above within the Stellenbosch municipal area. Furthermore, the agreement will allow for both parties to plan and expedite efficient deployment of resources required for the delivery of any project objectives and outcomes.

NOW THEREFORE THE PARTIES AGREE AS FOLLOWS:

1. INTERPRETATION

1.1 In this Co-operation Agreement, the following expressions shall bear the meanings as assigned to them below and cognate expressions bear corresponding meanings:

1.1.1 "**Commencement Date**" means the date of signature of this Agreement by the Party last to sign;

1.1.2 "**Agreement**" means this Co-operation Agreement which provides the legal framework under which the Parties will cooperate with each other for their respective mutual benefit together with all the written appendices, annexures or amendments attached to it from time to time;

1.1.3 "**Parties**" means the Department, and the Municipality, and "**the Party**" means either of them as the context may indicate; and

1.1.4 "**Project(s)**" means the individual project(s) to be determined by the Parties referring to specific initiatives developed by the

Department requiring collaboration of the Parties, subject to the terms and conditions of this Agreement and the TOR;

1.1.5 **"Project Steering Committee"** means the steering committee set up between the Parties to oversee and co-ordinate the implementation of the Projects in accordance with clause 5 below; and

1.1.6 **"TOR"** means the Terms of Reference that will be drafted in respect of each particular Project as outlined in clause 4.1 below.

1.2 Any reference to -

1.2.1 the singular includes the plural and *vice versa*; and

1.2.2 a natural person includes a juristic person and *vice versa*.

1.3 The clause headings in the Agreement have been inserted for convenience only and shall not be taken into account in its interpretation.

2. DURATION

This Agreement shall commence on the commencement date and shall terminate subsequent to any Party giving the other Party thirty (30) days' written notice. The reasons for such termination will be provided to the other Party on request, but will have no effect on the termination itself.

3. AIM OF COOPERATION

The Parties undertake to collaborate with each other in good faith for the purpose of enabling the successful realisation of the BRIP within the jurisdictional area of the Municipality.

4. OBLIGATIONS OF THE PARTIES

4.1 The Parties will agree to the TOR in respect of each Project identified, which TOR shall be subject to the terms and conditions of this Agreement and:

4.1.1 Stipulate the deliverables in respect of the Project and the time frames in which deliverables must be achieved; and

4.1.2 Record the budget or maximum spend for a Project as well as the duties and obligations of the Parties in respect of achieving the successful delivery of the Project.

4.2 The Department hereby undertakes to:

4.2.1 Provide financial support to the Projects agreed to by the Parties by:

4.2.1.1 Providing funding for the implementation of any identified Project through the appointment of preferred service Provider(s), subject to the availability and appropriation of the necessary funds in terms of a provincial appropriation or adjustment appropriation act; and

4.2.1.2 Managing the departmental portion of the Project budget.

4.2.2 Provide strategic oversight to the Projects by:

4.2.2.1 Developing a TOR in respect of individual Projects with clear objectives and timelines;

4.2.2.2 Overseeing the overall implementation of all components of the Projects against the set objectives and timelines;

4.2.2.3 Developing and implementing a risk management plan; and

4.2.2.4 Establishing, chairing and managing the Project Steering Committee.

4.2.3 Monitor and Evaluate the Projects by:

4.2.3.1 Ensuring the development of appropriate monitoring and evaluation tools; and

4.2.3.2 Establishing a record keeping system for all monitoring and evaluation tools.

4.2.4 Report on Project Progress by:

4.2.4.1 Submitting written progress reports and presentations to meetings and forums at an intra and inter-departmental level ; and

4.2.4.2 Reporting to the Municipality on overall project implementation.

4.3 The Municipality hereby undertakes to:

4.3.1 Provide financial support to meet the budgetary requirements as set out in a Project TOR upon acquiring the necessary council approval of required budgets.

4.3.2 Provide capacity and operational support by:

4.3.2.1 Fulfilling their obligations as set out in any TOR; and

4.3.2.2 Notifying the Department of all planned initiatives in the areas affected by any identified Projects that could potentially impact on the said Projects.

4.3.3 Perform monitoring and evaluation of the Projects by establishing, managing and maintaining a data system of all financial documents, checklists and other monitoring tools employed towards the maintenance and operations component of any Project, as specified in the applicable TOR.

4.3.4 Provide feedback on a Project through its appointed official who will:

4.3.4.1 Attend Project Steering Committees as arranged by the Department; and

4.3.4.2 Provide feedback to relevant municipal committees and other municipal directorates, officials and relevant executive members.

5. PROJECT STEERING COMMITTEE MEETINGS

5.1 The Parties will attend bimonthly (every two months) Project Steering Committee meetings during the course of any Project, as a way of

monitoring and evaluating progress made in achieving the objectives of the applicable Project in accordance with its TOR.

5.2 The Project Steering Committee meetings shall be convened by the Department, and will be attended by representatives from the Parties.

5.3 The Parties undertake to meet regularly, when required, in between the bimonthly Project Steering Committee meetings to co-ordinate support and project implementation. These *ad hoc* meetings shall be convened by the Party requiring the meeting and will be attended by representatives from the Parties.

5.4 It is specifically recorded that the Project Steering Committee members shall not have any power to amend this Agreement and must function in accordance with the provisions of this Agreement and any relevant statutory provisions.

6. COPYRIGHT/INTELLECTUAL PROPERTY RIGHTS

6.1 The Municipality will not have any claim or entitlement to any copyright or other intellectual property that arises out of the execution of this Agreement, ownership of which shall at all times vest in the Western Cape Government.

6.2 The Municipality will not use or allow any other entity to use any of the intellectual property referred to in clause 6.1, unless prior written approval has been obtained from the Department, which approval shall not unreasonably be withheld.

7. CO-OPERATION AND GOOD FAITH

The Parties undertake at all times to render to each other every possible assistance and to extend to each other the maximum co-operation for purposes of attaining the objectives of this Agreement. The Parties shall at all time consult with each other in the utmost good faith and the affairs between them shall be administered and promoted by the highest degree of integrity.

8. MEDIA RELEASES

Each Party undertakes in favour of the other that it will not make any public announcement or release to the press or other media on any issue pertaining to this Agreement without first having obtained the prior written consent of the other Party.

9. CONFIDENTIALITY

9.1 The Parties hereby undertake not to make any public statement or issue press releases relating to or affecting either Party to this Agreement without the prior written consent of the other Party.

9.2 The Parties undertake to treat all information furnished by each other or any third party in the execution of this Agreement, as secure and confidential and not to disclose the same to any unauthorized third party, without that Party's prior written consent. The Parties agree to only use such confidential information for purposes of the performance of their respective statutory functions and duties and/or their obligations in terms of this Agreement unless compelled by law to disclose such information.

9.3 The provisions of this clause are severable from the rest of the provisions of this Agreement and shall survive its termination and continue to be of full force.

10. DISPUTE RESOLUTION

10.1 In the event of any dispute arising from this Agreement, the Parties shall make every effort to settle such dispute amicably, including the initiation of direct negotiations with senior management, representatives or negotiations through an intermediary.

10.2 Should a dispute between the Municipality and the Western Cape Government, despite such mediation, remain unresolved for a period of thirty (30) days after being so referred, either of the aforementioned Parties may declare such dispute a formal intergovernmental dispute by notifying the other party of such declaration in writing, in which event the parties will follow the procedure as outlined in the Intergovernmental Relations Framework Act, no 13 of 2005, to settle the dispute.

10.3 Should the dispute still remain unresolved, the dispute will be adjudicated by a competent court with jurisdiction to hear the matter.

11. ASSIGNMENT, CESSION AND DELEGATION

This Agreement is personal to the Parties and no Party may assign, cede, delegate or transfer any rights, obligations, share or interest acquired in terms of this Agreement, in whole or in part, to any other party or person without the written consent of the other Party, which shall not be unreasonably withheld.

12. NOTICE AND DOMICILIUM

12.1 The Parties choose their *domicilium citandi et executandi* ("domicilium") for all purposes arising from or pursuant to this Agreement, as follows:

THE DEPARTMENT:
The Head of Department
8th Floor, Utilitas Building
1 Dorp Street
Cape Town
8001

THE MUNICIPALITY
The Municipal Manager
Townhouse Complex
Plein Street
Stellenbosch
7600

12.2 Each of the Parties shall be entitled from time to time, by written notice to the other, to vary its *domicilium* to any other physical address.

12.3 All notices to be given in terms of this MOU shall be given in writing and be delivered or sent by prepaid registered post to the Party's chosen *domicilium*.

12.4 If delivered by hand, a notice shall be presumed to have been received on the date of delivery, or, if sent by prepaid registered post, be presumed to have been received 7 (seven) business days after the date of posting.

12.5 A written communication actually received by a Party shall be deemed to be adequate notice notwithstanding that it was not delivered or sent to its chosen *domicilium*.

13. WAIVER

13.1 No waiver of any of the terms and conditions of this Agreement shall be binding unless expressed in writing and signed by the Party giving the same, and any such waiver shall be affected only in the specific instance and for the purpose given.

13.2 No failure or delay on the part of either Party in exercising any right, power or privilege precludes any other or further exercising thereof or the exercising of any other right, power or privilege.

13.3 No indulgence, leniency or extension of time which any Party (*"the Grantor"*) may grant or show the other Party, shall in any way prejudice the Grantor or preclude the Grantor from exercising any of its rights in terms of this Agreement.

14. ENTIRE AGREEMENT

14.1 This Agreement constitutes the entire agreement between the Parties and no amendment, alteration, addition or variation of any right, term or condition of this Agreement will be of any force or effect unless reduced to writing and signed by the Parties to this Agreement.

14.1 The Parties agree that there are no conditions, variations or representations, whether oral or written and whether expressed or implied or otherwise, other than those contained in this Agreement.

14.2 This Agreement replaces any other previous verbal or written agreement entered into between the Parties.

SIGNED AT ~~CAPE TOWN~~ **ON THIS** 19th **DAY OF** JANUARY **2016**

THE DEPARTMENT

(Herein represented by **Mr. Pieter van Zyl** in his capacity as Head of Department: Environmental Affairs and Development Planning)

AS WITNESSES:

Signature

MARIANA KROESE

Name also in capital letters

Signature

SHAWN MASHIYA

Name also in capital letters

SIGNED AT Stellenbosch **ON THIS** 15th **DAY OF** January **2016**

THE MUNICIPALITY

(Herein represented by **Mr Dupre Lombaard** in his capacity as Acting

Municipal Manager, duly authorised thereto)

AS WITNESSES:

Matthee

Signature

S MATTHEE

Name also in capital letters

Signature

N. TSHEFU

Name also in capital letters

APPENDIX 2

Western Cape Government
Environmental Affairs and Development Planning

Mr Jason Mingo
Directorate: Pollution and Chemicals Management
Berg River Task Manager
Email: Jason.Mingo@westerncape.gov.za

Mr Saliem Haider
Manager: Solid Waste Management
PO Box 17
Stellenbosch
tel: (+27)21 808 8241
email: Saliem.Haider@stellenbosch.gov.za
Date: 18 November 2015

Dear Mr. Haider

REQUEST FOR USE OF RAMBRICKS AS PART OF THE GENIUS OF SPACE PROJECT

The Langrug Genius of SPACE project aims to showcase innovation within the Green Economy, as part of the Berg River Improvement Plan, by considering alternative designs and technologies for the management of waste flows from within the Langrug Community. As such, the opportunity to promote sustainable methodologies and materials is embedded within the philosophy of such a project.

In line with promoting the Western Cape as the Green Economic Hub and Stellenbosch Municipality as the Innovation Capital, I wish to formally request the use of **10 000 Rambricks** for the construction of the Upcycle Lab as part of the Genius of SPACE project.

The finalization of the design of the lab is dependent on the approval of this request, and will be subject to standard municipal processes for approval before construction begins.

I look forward to hearing from you in this regard at your earliest convenience.

Regards,

Jason Mingo

Berg River Task Manager
Directorate: Pollution and Chemicals Management
Department Environmental Affairs and Development Planning

Western Cape Government
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GENIUS OF SPACE

Langrug

GENIUS OF SPACE PROJECT
LANGRUG INFORMAL SETTLEMENT
FRANSCHHOEK
WESTERN CAPE

Contents

CORC
informal south
John Todd Ecological Design
Isidima
MAUTI GSM

Western Cape Government
BETTER TOGETHER.

GENIUS OF SPACE

Langrug

Project description and background

Berg River Improvement Programme

In 2013, the Western Cape Government's Department of Environmental Affairs and Development Planning (DEADP) contracted our team's services to design a bioremediation technology, using biomimicry and environmental engineering principles (i.e. a technology that is based on how nature solves a problem). This system will capture surface runoff (stormwater and greywater) from the Langrug informal settlement in the Berg River catchment. This project was called the Berg River Bioremediation project (now referred to as the School field prototype), and forms part of the Berg River Improvement Programme (BRIP). The upgrade and improvement within informal settlements forms one of the task focus areas within the BRIP.

110% Green initiative

As part of the 110% Green initiative, the Western Cape Government Department of Economic Development and Tourism (DEDAT) contracted our team's services for the Genius of Place project. On this project, our team applied biomimicry to explore nature-inspired solutions to the solid waste and greywater aspects of the polluted and deteriorating Berg River and its surrounding catchment. The project is particularly relevant to establishing innovative biomimicry interventions that could be applied to the Berg River area. When successfully adopted and implemented, these strategies could have a desirable impact on the province's environmental and economic growth as well as improving health in people affected by the Berg River.

The project was initiated with a feasibility phase in February 2013. This initial phase identified the feasibility of biomimicry interventions, before proceeding with more detailed research into biomimicry opportunities identified. The Langrug informal settlement was identified through multi-stakeholder processes as a suitable focus site for the project. The work done has involved the conceptual and detailed design and costing of prototypes for solid waste and greywater in Langrug based on biomimicry methodology.

Merging the two projects into Genius of SPACE

In 2015, it was decided to combine the Berg River Bioremediation and the Genius of Place projects, into what is now called the Genius of SPACE (Systems for People's Access to a Clean Environment) project. The project will be lead by DEADP in partnership with DEDAT, with Jason Mingo as the project manager from DEADP's side. Stellenbosch Municipality has been an active partner through the development of each of the projects, by supporting and assisting where necessary in the development of the prototypes.

The Genius of SPACE project is intended as a medium term intervention amongst other longer-term sanitation and infrastructure interventions, to reduce pollution loads into the Berg River. Bioremediation technologies have been identified as an approach that supports sustainable ecosystem functioning, while creating economic opportunities in communities. The overall approach of this project included biomimicry principles. These principles and methodologies have been applied to the design and costing of the bioremediation technologies in Langrug.

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GENIUS OF SPACE

Langrug

Project aims

Decreasing Berg River water pollution loads

The Langrug settlement has several municipal communal toilet blocks for its residents. However, it is sometimes difficult, impractical or unsafe for residents to get to these toilets for their sanitation and washing needs (especially at night). As a result, domestic greywater and waste water (black water) flow exposed in the streets and stormwater gutters around the settlement. This water eventually reaches and flows into tributaries of the Berg River. Dangerous pathogens (bacteria), faecal matter as well as personal care products (such as chemicals from soaps and creams) and pharmaceuticals (medication) all end up in this waste water. This water is toxic and is a serious health risk to the human and animal residents in the settlement and those downstream. The polluted water flows further downstream and results in contamination of surface water (streams, rivers), which threatens local ecologies and supply water for agriculture within the Berg River Catchment.

The main aim of the project is to reduce the pollution loads leading to the Berg River from the informal settlement of Langrug through green economic initiatives to uplift and improve the quality of life for members of the community. This will ultimately improve water quality ,ecosystem functioning and social wellbeing.. The project includes the development of infrastructure that aims to encourage community benefits linked to economic opportunities promoting sustainable growth and development in the Western Cape Province.

Reducing solid waste pollution in Langrug and in Berg River tributaries

The solid waste in Langrug is serviced through the use of several municipal waste skips dotted around the settlement, which are collected by the Stellenbosch Municipality and transported to the Devon Valley landfill. However, much solid waste such as plastic bottles, packets, glass and metal does not make it to these containers, or is blown and scavenged outside and around skips when they are too full. This solid waste mixes with the stormwater and wastewater running through the streets of the settlement, making it an even more toxic sludge. The waste also blocks downstream infrastructure and piping, and eventually runs into streams and the Berg River, where it suffocates and contaminates local organisms.

Project partners

The project consultant team consists of the following companies and organisations:

Project lead:

- Greenhouse Systems Development (previously the projects were lead by BiomimicrySA)

Engineering specialists:

- John Todd Ecological Design
- Maluti GSM Consulting Engineers
- Isidima design and development

Urban design specialists

- ·in/formal south

Natural specialist / community work:

- Natasha Rightford – waterlove

Freshwater ecologist:

CORC

in/formal south

John Todd Ecological Design

Isidima

MALUTI GSM

- Liz Day

Community Engagement

- CORC (Community Organisation Resource Centre)

Facilitation:

- Sean Andrew

Municipality involvement

Municipal officers from the Engineering and Solid waste departments have been engaging with our project team since the early stages of both projects and continuing into the merging and implementation of the Genius of SPACE project. The Ward councillor and some of these municipal officials and ward committee members have been attending the various community meetings and workshops we have held for the projects over the past few years.

EJ Wentzel has been the contact person for engagement relating to the project from the municipal side, and he has been assisting us with the authorisation of the greywater prototype with his colleagues in the electrical, water and sanitation and roads and stormwater departments.

EJ and Saliem Haider have assisted in advice relating to the costing of activities for the operation and maintenance of the Block S and T greywater and solid waste prototypes.
We have been engaging with the municipal informal settlements department on various topics including general approval of the project, as well as in selection of a site for our site office.

Memorandum of Co-operation

A Memorandum of Co-operation between the Western Cape Government, represented by DEADP and the Stellenbosch Municipality has been developed. The memorandum relates to a general partnership between them, for all work in the Stellenbosch Municipal area relating to the implementation of the Berg River Improvement Plan being done by WC Government.

Prototype description

Project components

The Genius of SPACE project consists of 3 main components:

1. Block S and T greywater prototype (from Genius of Place project)
2. Block S and T solid waste prototype (from Genius of Place project)
3. School field prototype – stormwater and greywater (from Berg River Bioremediation project)

Note that this information document focuses only on details for the Block S and T solid waste prototype. Should you require further information on the greywater or school field prototypes please let us know.

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GENIUS OF SPACE

Langrug

Block S and T solid waste prototype information

General

This prototype involves the separation of waste at source in households. In the first phase of operations, households will be given two buckets for waste – the first for collecting all food waste, and the second for collecting all other waste. At a later stage of the project, if initial waste collection proves successful, then waste can further be separated into households into food waste, recyclables and non-recyclable waste.

There are three components to the solid waste prototype:

1. Neighbourhood collection point (located in a central area in Block S and T)
2. Upcycle laboratory for processing solid waste
3. Outdoor composting area (fenced and covered to prevent vermin).

Description of solid waste prototype activities

The Block S and T households (about 115 homes) will be given two 25 litre buckets to help them separate and collect their food waste and other solid waste, and to prevent attracting vermin to their homes. They will be required to take their buckets of waste to the neighbourhood collection site where they must put it into separate containers (drums / crates). Organic waste (food waste) drums will then be loaded onto a trailer and taken down the hill to the upcycle lab (on the Groendal school field) by a tricycle. Non-organic waste will be loaded onto the trailer and taken by the tricycle to the nearest municipal skip.

Once at the upcycle lab, food waste will be split up for the worm and black soldier fly larvae growth operations. Some of the food waste will be fed directly to the fly larvae, and the rest of the food waste will go to the outdoor composting area for partial composting with other materials, before being fed to worms.

A schematic of this solid waste system is illustrated below.

Western Cape Government
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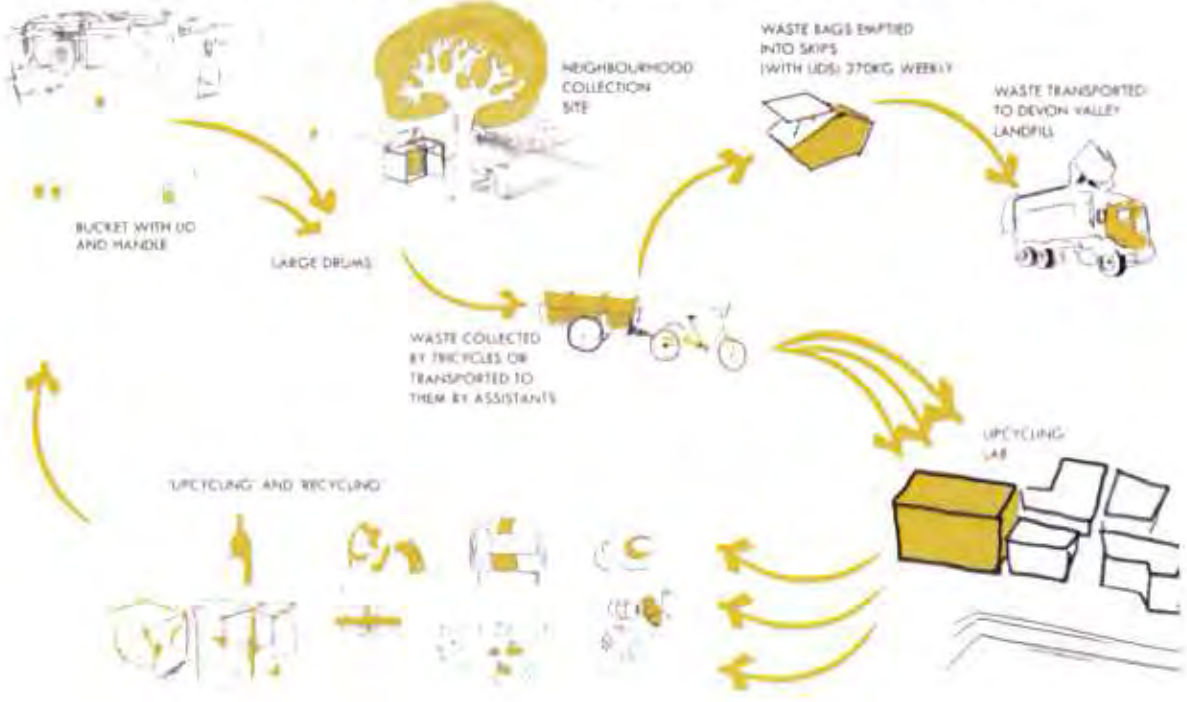
GENIUS OF SPACE

Langrug

05 SOLID WASTE FLOWS



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A map illustrating the location of the solid waste prototype components within the Langrug settlement is attached with this document.

Objectives of solid waste prototype

- To ensure that food waste from the household waste management system in Block S and T of Langrug arrives safely and efficiently to the upcycle lab and that it is divided appropriately between the black soldier fly larvae, worms and the composting activities.
- To ensure that other solid waste is removed from the Block S and T area efficiently
- To ensure that solid waste does not interfere with the greywater prototype (e.g. clogging of piping, littering of planted tree and wetland areas)
- To provide an opportunity for school children, researchers and residents to visit the solid waste processing operations and for them to learn about innovative ways of treating and managing organic waste.
- To provide a high standard of cleansing services to the Block S and T residents
- To provide economic opportunities to members of the Langrug community for waste management and upcycling activities / enterprises
- To successfully carry out an awareness and participation campaign for the household waste separation activities.

Neighbourhood collection site - description

The neighbourhood waste collection site will be located in a small open area in the central part of Block S and T in Langrug. The site will be an opportunity to show how infrastructure can also contribute to urban upgrading and improvement of public space. The area will be paved and contain some seating, with an enclosed area with containers for households to dispose of their waste. There will be a tapstand for household members to rinse their waste buckets. The area will also have a tree connected to the ecological greywater treatment system, which will provide shade and contribute to greening of the area. The site will be a space that residents can use to connect with each other, where children can play and continue to learn to help with daily chores.

The area will cover about 35m^2. The final design of the neighbourhood waste collection area and the upcycle lab are still being finalised, based on the availability of the Rambricks.

A schematic illustration of the neighbourhood collection site is given below.

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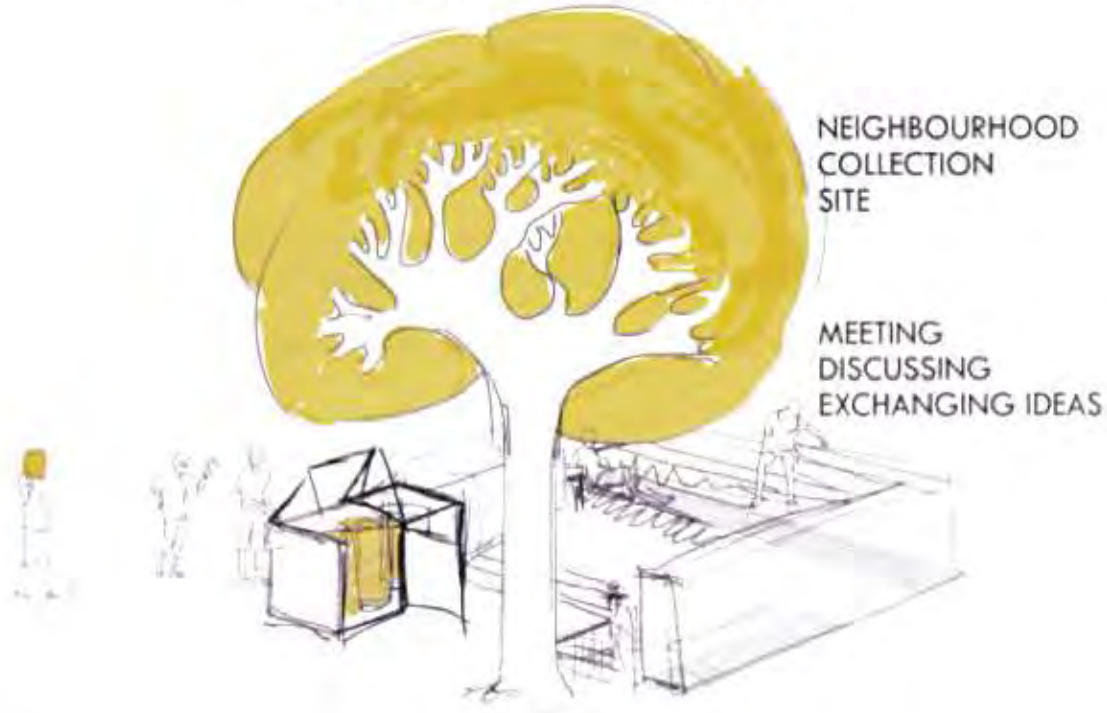
GENIUS OF SPACE

Langrug

04 CONNECTING



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Langrug

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GENIUS OF SPACE

Langrug

Upcycle laboratory - description

The upcycle laboratory will be a flagship building that showcases how wastes of all kinds can be upcycled into items of greater value. The building will demonstrate how Rambricks made from landfill rubble can be upcycled into approved building bricks, and how these can be used to create a visually pleasing, sustainable and comfortable building. The building will be approximately 40m^2.

Inside the upcycle lab building, activities will be focussed on processing of organic waste. black soldier fly larvae will be fed food waste directly, while worms will be fed partially decomposed compost (made from some food waste, vegetation cuttings from the greywater prototype and other organic material). Worms and larvae are high in economic value and a valuable source of protein for agricultural livestock such as chickens and fish. These processing activities will be done through training local labour (residents of Langrug) with technology specialists (such as Agriprotein and SEED). A major component of these activities will be the development of microenterprises linked to the upcycled waste.

Outdoor composting area

This area will be a fenced enclosure with several compost heaps. These will be covered to prevent scavengers and pests. The composting area will be located next to the upcycle lab, on the Groendal school field. In this area, organic (food and plant cuttings) waste will be composted with other materials, before feeding to worms that are inside the lab. This pre-processing is necessary as worms cannot easily digest fresh food waste. The compost that is produced after processing by worms can be used to maintain the greywater prototype areas. The area will be about 50m^2.

Prototype construction timeline

The solid waste aspects of the prototype will be constructed from February 2016 and should take about 3-4 months.

Implementation of prototype

Block S and T solid waste prototype

This prototype will begin operating once construction is complete, in May / June 2016. The prototype will need to be run for 1 year to test the effectiveness of the design, and to establish operations and maintenance requirements, so that these can later be written up in a manual. The prototype will be monitored to evaluate the performance of the waste management techniques, for the provision of evidence-based proof of concept. If successful, the prototype will continue to run in the area for another 8 months until February 2018. During the last few months of the project, municipal employees and Langrug residents will be trained for operations and maintenance requirements of the prototype. It is envisioned that the model developed and implemented as part of the Genius of SPACE project will demonstrate the opportunity for incorporating such aspects in the further upgrade and development of informal settlements both within the Municipality and across the province.

Handover of infrastructure to community and municipality

After February 2018, the project will be handed over to the municipality and community, as a working example of community managed and sustained green / ecological infrastructure.

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GENIUS OF SPACE

Langrug

Conclusion

Should you have any further questions or requirements, please contact Claire Mollatt at informal south, on the following contact details:

Email: claire@informalsouth.co.za
Phone: 021 795 0365 or 073 056 3985

7.6 MONTHLY FINANCIAL STATUTORY REPORTING: DEVIATIONS

File number : *8/1/Financial*

Report by : *Chief Financial Officer*

Compiled by : *Chief Financial Officer*

Delegated authority : *Council*

Strategic intent of item:

Preferred investment destination	X
Greenest municipality	
Safest valley	
Dignified Living	
Good Governance	X

1. PURPOSE OF REPORT

1.1 To comply with Regulation 36(2) of the Municipal Supply Chain Management Regulations and Section 4.36.2 of the Supply Chain Management Policy 2015/2016, by reporting the deviations for the month of January 2016.

2. DISCUSSION

2.1 To comply with Regulation 36(2) of the Municipal Supply Chain Management Regulations and Section 4.36.2 of the Supply Chain Management Policy 2015/2016, by reporting deviations as approved by the Accounting Officer for the period of 01 January until 31 January 2016 **(APPENDIX 1)**. Reporting hereof by the Accounting Officer to Council is done in a bid to give effect to Council's oversight role

RECOMMENDED

that the deviations as listed, be noted.

(CHIEF FINANCIAL OFFICER TO ACTION)

FINANCE AND STRATEGIC AND CORPORATE SERVICES COMMITTEE: 2016-02-09: ITEM 5.1.1

RECOMMENDED

that the deviations as listed in **APPENDIX 1**, be noted.

(CHIEF FINANCIAL OFFICER TO ACTION)

MAYORAL COMMITTEE MEETING: 2016-02-17: ITEM 5.1.7

RECOMMENDED BY THE EXECUTIVE MAYOR

that the deviations as listed in **APPENDIX 1**, be noted.

(CHIEF FINANCIAL OFFICER TO ACTION)

ITEM 7.6

APPENDIX 1

MONTHLY FINANCIAL STATUTORY REPORTING: DEVIATIONS

38TH COUNCIL MEETING: 2016-02-24

Stellenbosch Municipality **Appendix A**

(Paragraph 4. 36 of Supply Chain Management Policy)

Deviation Number	Contract Date			Name of Contractor	Contract Description	Reason	Reason for Deviation	Total Contract Price R
Deviations 1 January 2016 to 31 January 2016								
D/SM: 15/16	29	1	2016	AECOM	FQ/SM: 282/15 Further planning and application to roads authority	Impractical to appoint another service provider	4.36(1)(a) Exceptional case and it is impractical or impossible to follow the official procurement processes.	R 258 575.00

7.7 TOP LAYER SERVICE DELIVERY AND BUDGET IMPLEMENTATION PLAN (SDBIP) REPORT FOR THE FIRST QUARTER (1 July 2015 to 30 September 2015)

File number : *8/1/3/3/1/4*

Report by : *Municipal Manager*

Compiled by : *Director: Strategic & Corporate Services*

Delegated authority : *Council*

Strategic intent of item

Preferred investment destination	
Greenest municipality	
Safest valley	
Dignified Living	
Good Governance	X

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1. PURPOSE OF REPORT

That Council take cognisance of progress made with the achievement of key performance indicators, development priorities and objectives as determined in the Top Layer Service Delivery and Budget Implementation Plan (SDBIP) for the 1st Quarter (1 July 2015 to 30 September 2015).

2. BACKGROUND

In terms of Section 1 of the Local Government: Municipal Finance Management Act, 2003 (Act No 56 of 2003) the service delivery and budget implementation plan (SDBIP) is defined as a detailed plan approved by the mayor of a municipality within 28 days after the approval of the budget for implementing the municipality's delivery of municipal services and its annual budget.

The format of the Service Delivery and Budget Implementation Plan (SDBIP) is prescribed by MFMA Circular Number 13 issued by National Treasury. In terms of the said Circular Number 13 the Service Delivery and Budget Implementation Plan (SDBIP) must depict the service delivery areas, budget allocations and enable monitoring and evaluation. It specifically requires the Service Delivery and Budget Implementation Plan (SDBIP) to include, inter alia, the following:

- Monthly projections of revenue to be collected for each source;
- Monthly projections of expenditure (operating and capital) and revenue for each vote;
- Quarterly projections of service delivery targets and performance indicators for each vote;
- Information for expenditure and delivery; and
- Detailed capital works plan.

Section 41(1)(e) of the Local Government: Municipal Systems Act, 2000 (Act No. 32 of 2000 (MSA), stipulates that a process must be established of regular reporting to Council. This process is detailed in the Performance Management Framework of the Municipality.

3. DISCUSSION

Included under separate cover is:

(a) A copy of the 1st Quarter (1 July 2015 to 30 September 2015). Top Layer Service Delivery and Budget Implementation Plan (SDBIP) Report for the 2015/16 financial year as **APPENDIX 1.**

A Service Delivery and Budget Implementation Plan (SDBIP) seeks to promote municipal accountability and transparency and is an important instrument for service delivery, budgetary monitoring and evaluation. It can be seen as a partnership contract entered into between the Administration, Council and the community, in which the goals and objectives set by Council are expressed.

The Service Delivery and Budget Implementation Plan (SDBIP) provides an excellent basis for the Councillors of the Stellenbosch Municipality to monitor the implementation of service delivery programmes and initiatives across the municipal area. The scorecard in the Service Delivery and Budget Implementation Plan (SDBIP) presents a clear mandate to the Councillors in terms of playing their oversight function.

4. COMMENTS BY RELEVANT DEPARTMENTS

4.1 Human Resource Management

The accountability of the Administration, inclusive of the Municipal Manager and Senior Managers as addressed under Legal Implications is noted.

4.2 Financial

The SDBIP is viewed as an implementation and monitoring tool rather than a financial tool, however this plan is supported by the financial information reported to Council in terms of Section 52 of the Local Government: Municipal Finance Management Act, 2003 (Act No. 56 of 2003).

4.3 Legal

MFMA Circular No. 13

The SDBIP serves as a "contract" between the administration, council and community expressing the goals and objectives set by council as quantifiable outcomes that can be implemented by the administration over the next twelve months. The SDBIP provides the vital link between the mayor, council (executive) and the administration and facilitates the process for holding management accountable for its performance. The SDBIP is a management, implementation and monitoring tool that will assist the mayor, councillors, municipal manager, *senior managers* and community.

MFMA

A "*service delivery and budget implementation plan*" is defined as follows in Section 1 of the MFMA :

"… means a detailed plan approved by the mayor of a municipality in terms of Section 53(1)(c)(ii) for implementing the municipality's delivery of municipal services and its annual budget, and which must indicate –

(a) Projections for each month of –

(i) Revenue to be collected, by source; and

(ii) Operational and capital expenditure, by vote;

(b) Service delivery targets and performance indicators for each quarter; and

(c) Any other matters that may be prescribed;

and includes any revisions of such plan by the mayor in terms of Section 54(1)(c).

In accordance with Section 53 of the MFMA, the mayor of a municipality must-

"(1)(c)(ii)take all reasonable steps to ensure that the municipality's service delivery and budget implementation plan is approved by the mayor within 28 days after the approval of the budget.

(1)(c)(iii)(bb) that the annual performance agreements as required in terms of Section 57(1)(b) of the MSA for the municipal manager and all senior managers are linked to the measurable performance objectives approved with the budget and to the service delivery and budget implementation plan."

Quarterly projections of service delivery targets and performance indicators for each vote, is one of the five components of the top-layer SDBIP that must be made public as detailed in MFMA Circular 13.

RECOMMENDED

that Council take cognisance of the 2015/16 Top Layer Service Delivery and Budget Implementation Plan (SDBIP) Report for the 1st Quarter (1 July 2015 to 30 September 2015) attached **under separate cover** as **APPENDIX 1.**

(DIRECTOR: STRATEGIC AND CORPORATE SERVICES TO ACTION)

FINANCE AND STRATEGIC AND CORPORATE SERVICES COMMITTEE: 2016-02-09: ITEM 6.1.1

RECOMMENDED

that Council take cognisance of the 2015/16 Top Layer Service Delivery and Budget Implementation Plan (SDBIP) Report for the 1st Quarter (1 July 2015 to 30 September 2015) attached **under separate cover** as **APPENDIX 1.**

(DIRECTOR: STRATEGIC AND CORPORATE SERVICES TO ACTION)

MAYORAL COMMITTEE MEETING: 2016-02-17: ITEM 5.1.8

RECOMMENDED BY THE EXECUTIVE MAYOR

that Council take cognisance of the 2015/16 Top Layer Service Delivery and Budget Implementation Plan (SDBIP) Report for the 1st Quarter (1 July 2015 to 30 September 2015) attached **under separate cover** as **APPENDIX 1.**

(DIRECTOR: STRATEGIC AND CORPORATE SERVICES TO ACTION)

8. CONSIDERATIONS OF REPORTS, COMMUNICATIONS, PETITIONS AND APPLICATIONS SUBMITTED BY THE MUNICIPAL MANAGER

8.1 CONFERRAL OF ALDERMANSHIP ON COUNCILLOR CP JOOSTE

File number : *11/2/4/1*

Report by : *Municipal Manager*

Compiled by : *Director: Strategic and Corporate Services*

Delegated Authority : *Council*

Strategic intent of item

Preferred investment destination	
Greenest municipality	
Safest valley	
Dignified Living	
Good Governance	X

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1. PURPOSE OF REPORT

To consider an application for conferral of Aldermanship on Councillor CP Jooste.

2. BACKGROUND

2.1 Application

On 2016-02-15 an application was received from Councillor CP Jooste, requesting that Aldermanship be conferred on him as he qualifies for such honours in terms of the Stellenbosch Municipal Honours By-Law (April 2002). The Application is attached as **APPENDIX 1**.

2.2 Calculation of points

Pursuant to the above application, the Head: Committee Services compiled a memorandum to the Municipal Manager, confirming that, according to Council's records, Councillor CP Jooste does indeed qualify for Aldermanship with a total of **27 points.** The memorandum is attached as **APPENDIX 2**.

2.3 Confirmation by the Municipal Manager

Hereto attached, as **APPENDIX 3,** is the verification of the Municipal Manager, confirming that the calculations were verified and that the awarding of points was in accordance with the prescribed criteria.

3. DISCUSSION

3.1 Legal Framework

Section 6(4)(c) of the Stellenbosch Municipal Honours By-Law (April, 2002) makes provision for Aldermanship to be conferred on a serving Councillor of the Stellenbosch Municipality who obtains a minimum of 20 points, as set out in the By-Law.

In terms of sub-section (5), any current serving Councillor who is of the view that he/she qualifies for Aldermanship, should notify the Municipal Manager in writing, together with the necessary detail to enable the Municipal Manager to verify the allocation of points, as per the By-Law. The By-Law is attached as **APPENDIX 4**.

4. LEGAL IMPLICATION

Legally compliant. The recommendation is in line with the Municipality's Honours By-Law of April 2002, GG 5859.

5. FINANCIAL IMPLICATION

Finance supports the item.

6. CONCLUSION

Councillor CP Jooste qualifies for Aldermanship in terms of Section 6 (4) (c) of the Stellenbosch Municipal Honours By-Law.

RECOMMENDED

(a) that, in terms of Section 6(4)(c) of the Stellenbosch Municipal Honours By-Law promulgated in Provincial Gazette 5859 of 19 April 2002, Aldermanship be conferred upon Councillor CP Jooste; and

(b) that, following the approval of Council, the Executive Mayor, as patron of the Stellenbosch Municipal Honours, confer the honour on Councillor CP Jooste in an appropriate manner.

(DIRECTOR: STRATEGIC AND CORPORATE SERVICES TO ACTION)

ITEM 8.1

APPENDIX 1

APPLICATION FROM
COUNCILLOR CP JOOSTE

38TH COUNCIL MEETING:
2016-02-24

21 Festival Street
Jamestown
7600

Date: 15 February 2016

Attention: Acting Municipal Manager
Stellenbosch Municipality

Dear Sir

APPLICATION FOR THE CONFERMENT OF ALDERMANSHIP

I hereby, in accordance with the procedure as set out in the Stellenbosch Municipal Honours By-Law (April 2002), apply for the conferment of the honour of Aldermanship to myself. I believe that my service as a Councillor has led to me achieving more than the required number of points to qualify for this honour.

Outlined below is a schedule depicting a summary of my years of service as Councillor:

Year	Cllr/Standing Committee Member	MAYCO Member/Portfolio Chairperson	Executive Mayor	Speaker
2000				
2001				
2002				
2003				
2004				
2005				
2006		March-Dec		
2007		Jan-Dec		
2008	Eng. & HS: April -Dec	Jan-March		
2009	Planning: Jan-Dec		Dec-Dec	
2010			Jan-Dec	
2011			Jan-May	June-Dec
2012				Jan-Dec
2013				Jan-Dec
2014				Jan-Dec
2015				Jan-Dec

I would appreciate it if you could submit my application to the relevant committee(s) of Council, should you believe that I qualify for Aldermanship under the relevant By-Law.

Yours faithfully

.....

Clr. CP Jooste
(073 343 4900)

ITEM 8.1

APPENDIX 2

MEMORANDUM TO THE
MUNICIPAL MANAGER

38TH COUNCIL MEETING:
2016-02-24

MEMO

To/Aan: **Acting Municipal Manager**

From/Van: Head: Committee Services

Date/Datum: 16 February 2016

Re: **CONFERRAL OF ALDERMANSHIP ON COUNCILLOR CP JOOSTE**

Councillor CP Jooste submitted an application (attached, dated 2016-02-15) for the conferral of Aldermanship.

The information pertaining to the number of points accrued has been verified, and it is a true reflection of the years of service as a Councillor and Portfolio Councillor of this municipality since 2006.

Outlined below is the calculation of points verified for Aldermanship as accrued by Councillor CP Jooste:

Paragraph of By-Law	Period as Councillor/ Portfolio Councillor	Points as at 01 January 2016
6(4)(c)(i): one point for each completed year served as a Councillor on any municipality	March 2006 – Dec 2015; Stellenbosch: 9 years	9 (9x1)
6(4)(c)(iv) two additional points for each completed year served as a mayor of any municipality	Dec 2009 – May 2011; Stellenbosch: 1 year	2 (1x2)
6(4)(c)(v) two additional points for each completed year served as a member of the executive committee or chairperson of a standing committee of the Stellenbosch Municipality	March 2006 – March 2008; Stellenbosch: 2 years	4 (2x2)
6(4)(c)(vi) three additional points for each completed year served as deputy mayor or speaker of the Stellenbosch Municipality	June 2011 – Dec 2015; Stellenbosch: 4 years	12 (4x3)
TOTAL POINTS		**27**

Your prompt response in this regard would enable us to submit the application for consideration by Council at its meeting scheduled for 2016-02-24.

Yours faithfully,

.....

E. Jerome Potts
(Head: Committee Services)

ITEM 8.1

APPENDIX 3

VERIFICATION OF THE
MUNICIPAL MANAGTER

38TH COUNCIL MEETING:
2016-02-24

ITEM 8.1

APPENDIX 4

STELLENBOSCH MUNICIPAL
HONOURS BY-LAW

38TH COUNCIL MEETING:
2016-02-24

STELLENBOSCH MUNICIPAL HONOURS BY-LAW

BY-LAW

To provide for Municipal honours, the conferral thereof, the amendment of conferral, of Municipal honours, and to provide for matters incidental thereto.

PREAMBLE

WHEREAS section 156(5) of the Constitution of the Republic of South Africa, Act No 108 of 1996, in general authorise a municipality to exercise any power concerning a matter reasonably necessary for, or incidental to, the effective performance of its functions;

WHEREAS section 186(9) and (10) of the Municipal Ordinance 1974 (No 20 of 1974), in particular, authorise a municipality to confer the freedom of the municipality on a person or to present a medal, memento, address or other commemorative token to persons;

WHEREAS section 156(2) of the Constitution of the Republic of South Africa authorise a municipality to make by-laws for the effective administration of the matters which it has the right to administer;

WHEREAS it is desirable to take into consideration and recognise persons for exceptional achievements or the rendering of exceptionally meritorius service in the interest of the municipality; and

WHEREAS this needs to be done in an orderly manner;

Be it, therefore, enacted by the Council of the Stellenbosch Municipality.

TABLE OF CONTENTS

1. DEFINITIONS

1. "*The Council*" means the political structure of Stellenbosch Municipality in terms of section (4) of the Establishment Notice (P.N. 489/2000) as contemplated in section 18 of the Municipal Structures Act.
2. "*Stellenbosch Municipality*" means the municipality established in terms of section (4) of the Establishment Notice (P.N. 489/2000).
3. "*Municipal Manager*" means the person that is the head of administration and also accounting officer for the municipality, appointed in terms of section 82 of the Municipal Structures Act, Act 117 of 1998.
4. "*Councilor*" means a member of the Municipal Council of Stellenbosch Municipality.
5. "*Municipality*" for the purposes of section 7 means:
   (a) the Municipality of Stellenbosch established by Provincial Notice 489 of 2000 dated 22 September 2000;
   (b) any municipality established under the provision of the Local Government Transition Act, 1993;
   (c) any municipality established under the provisions of the Municipal Ordinance, 1974 or any previous ordinance providing for the establishment of a municipality;
   (d) any council or committee established under the provisions of the Black Local Authorities Act, 1982;
   (e) any management committee established under the provisions of Provincial Ordinance No 6 of 1963.
6. "*Employee*" means an employee of Stellenbosch Municipality and shall for the purposes of section 6(8) include commencement service at one of the following established municipalities:

   Stellenbosch Municipality
   Franschhoek Municipality
   Pniel Local Council
   Boland District Municipality
   Winelands District Council
   Western Cape Metropol Council
   Stellenbosch Divisional Council.

2. MUNICIPAL HONOURS

2. (1) There are the following Municipal honours for Stellenbosch Municipality:

(a) freedom of the Municipality or freedom of the town of Stellenbosch, Franschhoek or Pniel;

(b) honourary citizenship of the Municipality of Stellenbosch;

(c) illuminated address of the Municipality or illuminated address of the town of Stellenbosch, Franschhoek or Pniel;

(d) Aldermanship certificate;

(e) a Council's commendation certificate;

(f) a Mayor's commendation certificate; and

(g) certificate for long or outstanding service with the Council.

2. (2) There are the following medal for the Stellenbosch Municipality:

(a) the Simonsberg medal (gold) for exceptional achievement or for performing an act of bravery within the Municipal area of Stellenbosch;

2. (3) The Mayor is the patron of the Municipal honours as described in section (1) and (2).

3. CONFERRAL OF MUNICIPAL HONOURS

3. (1) The Mayor, after of approval of Council may confer municipal honours on any person and may make a posthumous conferral of a municipal honour.

4. ANNULMENT OF CONFERRAL OF MUNICIPAL HONOURS AND MEDALS

4. (1) The Mayor, after approval of Council may annul the conferral of a Municipal honour if the holder of the honour has performed any action or has behaved in a manner which harmed the interest of the Municipality of Stellenbosch, or otherwise has become unworthy of the Municipal honour concerned.

4. (2) The Mayor shall, in annulling the conferral of a Municipal honour in terms of subsection (1), do so in accordance with the advice of the panel referred to in section 5.

5. MUNICIPAL HONOURS ADVISORY PANEL

5. (1) The Mayor must obtain advise on the conferral, annulment or restoration of Municipal honours from an advisory panel, consisting of:

(a) a maximum of five (5) councillors, broadly representative of the council, appointed by council; and

(b) a maximum of five (5) people, highly respected by and who are broadly representative of the people of Stellenbosch Municipality, appointed by Council, if Council so wishes.

5. (2) The advisory panel shall meet at the request of the Mayor.

6. CRITERIA FOR THE BESTOWING OF MUNICIPAL HONOURS

6. (1) The freedom of the Municipality or the freedom of the town of Stellenbosch, Franschhoek or Pniel will be conferred:

(a) a non-resident person or organisation, when such a person or organisation is worthy of such an honour in the opinion of Council;

(b) if approved by Council by way of a broad consensus. The freedom of the Municipality or of a town shall not be conferred on an active politician.

6. (2) Honorary citizenship of the Municipality of Stellenbosch will be conferred:

(a) on a person of national and/or international stature residing in Stellenbosch Municipality for a period of at least 25 years, when such person is worthy of such an honour in the opinion of Council;

(b) on such a person if unanimously approved by Council at a Special Council Meeting. Alternatively when approved by Council by way of a broad consensus.

(c) Honourary citizenship will not be conferred on an active politician.

6. (3) An illuminated address of the municipality or an illuminated address of the town of Stellenbosch, Franschhoek or Pniel will be conferred:

(a) on a person when such person is worthy of such an honour in the opinion of Council;

(b) if approved by Council by a two-thirds majority vote;

6. (4) Aldermanship will be conferred on a serving Councillor of Stellenbosch Municipality:

(a) who has served on one or more municipalities within the Republic of South Africa for a total period of 20 years. Such terms of office need not be consecutive;

(b) upon the assumption of the office of Mayor. This criterium does not apply to acting Mayors or acting chairperson of Council. Such title shall be removed if such Councillor does not serve the Council for a full term of office as Mayor;

(c) who obtains the minimum of 20 points on the following scale:

(i) one point for each completed year served as a Councillor on any municipality; plus

(ii) one additional point for each completed year service as a member of the executive of any municipality or as chairperson of a standing committee or portfolio committee of such municipality; plus

(iii) one additional point for each completed year service as a deputy mayor of a municipality; plus

(iv) two additional points for each completed year served as a mayor or chairperson of any municipality; plus

(v) two additional points for each completed year served as a member of the executive committee or chairperson of a standing committee of the Stellenbosch Municipality subsequent to 5 December 2000; plus

(vi) three additional points for each completed year served as deputy mayor or speaker of the Stellenbosch Council.

6. (5) Any current serving Councillor who is of the view that he/she qualifies for Aldermanship, should notify the Municipal Manager in writing, together with the necessary details to the satisfaction of the Municipal Manager. The Municipal Manager shall make a recommendation to Council, after having considered all the relevant details. The Municipal Manager shall for the purpose of this by-law create an appropriate database of all current serving councillors of the Council of Stellenbosch as from 5 December 2000.

6. (6) The Councils recommendation certificate will be conferred;

(a) a resident of Stellenbosch Municipality when such person is worthy of such an honour in the opinion of Council;

(b) if approved by Council;

6. (7) The Mayor's recommendation certificate will be conferred on:

(a) a resident of Stellenbosch Municipality; and

(b) in the sole discretion of the Mayor.

6. (8) A certificate for long outstanding service with the Council will be conferred on an employee:

(a) who has served the municipality for a period of 25 years, on condition that such an employee has not been found guilty of misconduct for a period of 10 years prior to his/her 35th year of service.

6. (9) A medal will be conferred on a resident of Stellenbosch Municipality when:

(a) such person is worthy of such an honour in the opinion of Council; and

(b) if approved by Council by way of a broad consensus.

7. WARRANTS

The Mayor together with the other members of Council may, by special Council decision and after publication thereof in the Provincial Gazette, issue warrants for the better carrying out of the objects of this by-law and in particular, but without prejudice to the generality of the foregoing, relating to:

(a) the keeping and administering of the Municipal honours referred to in section 1;

(b) the keeping of a register of Municipal honours conferred;

(c) the replacement of lost or stolen Municipal honours and the charges, therefor;

(d) the publication of an annual Municipal honours list;

(e) the wearing of Municipal medals;

(f) benefits and privileges of Alderman;

(g) rules regarding the annulment and restoration of provincial honours;

(h) the issuing of accompanying certificates;

(i) the lay-out/description of Municipal honours/medals; and

(j) the protocol regarding the handing over of Municipal honours.

8. SHORT TITLE

This by-law is called the Stellenbosch Municipal Honours By-law and takes effect on date of publication thereof.

9. CONSIDERATION OF NOTICES OF QUESTIONS AND NOTICES OF MOTIONS RECEIVED BY THE SPEAKER

9.1 MOTION BY COUNCILLOR JK HENDRIKS: SUPPORT FOR INDIGENT PEOPLE IN RURAL AREAS

File number : *3/4/1/4*

Report by : *Office of the Speaker*

Compiled by : *Office of the Speaker*

Delegated Authority : *Council*

A Notice of a Motion, dated 2016-01-25 was received from Councillor JK Hendriks regarding support for indigent people n rural areas.

The said Motion is attached as **APPENDIX 1**.

FOR CONSIDERATION

ITEM 9.1

APPENDIX 1

MOTION: BY COUNCILLOR
JK HENDRIKS: SUPPORT FOR
INDIGENT PEOPLE IN RURAL AREAS

38TH COUNCIL MEETING:
2016-02-24

STELLENBOSCH

STELLENBOSCH • PNIEL • FRANSCHHOEK

MUNICIPALITY • UMASIPALA • MUNISIPALITEIT

OFFICE OF THE SPEAKER

MEMORANDUM

TO: **TO WHOM IT MAY CONCERN**

RE: **MOTIONS / QUESTIONS**

Herewith approval that Motions/Questions No: M79 be placed on the Council agenda for the date of 24 Feb 2016

Regards

CLLR C P JOOSTE
SPEAKER

Mosie Kennisgewing
Munisipaliteit Stellenbosch

1. **Mosie**

Munisipaliteit Stellenbosch se Administrasie word versoek om ondersoek te doen hoe landelike deernis inwoners, veral diegene wat hulself op plase bevind, met Elektriese-; Gesondheid- en Sosiaal Maatskaplike Dienste van Munisipale-, Provinsiale- en Nasionale Regeringskant ondersteun kan word.

2. **Agtergrond**

Munisipaliteit Stellenbosch se grootste oppervlakte bestaan onder andere uit 'n landelike omgewing.

Deernis inwoners wat in landelike gebiede woonagtig is ondervind 'n gebrek aan ondersteuning van Elektriese-; Gesondheid- en Sosiaal Maatskaplike Dienste van owerheidskant.

Raadslede wat hulself in Landelike Gebiede as Openbare Verteenwoordigers bevind ondervind 'n groot uitdaging om landelike deernis inwoners van diens te kan wees rakende basiese Infrastruktuur en Sosiaal Maatskaplike Dienste.

Die gebrek aan sodanige basiese dienste aan landelike deernisinwoners asook 'n gebrek aan mobiliteit om hierdie basiese dienste te bekom veroorsaak 'n al hoe groter wordende verarming van landelike gemeenskappe asook 'n verdere sosiaal maatskaplike agteruitgang en ongelykheid binne die landelike gemeenskap.

Die mosie versoek derhalwe vriendelik en dringend dat:-

2.1. Munisipaliteit Stellenbosch se Administrasie getaak word om ondersoek te doen na hoe landelike deernis inwoners, veral diegene wat hulself op plase bevind, met Elektriese-; Gesondheid- en Sosiaal Maatskaplike Dienste van Munisipale-, Provinsiale- en Nasionale Regering ondersteun kan word.

2.2. Asook enige ander aanbevelings wat 'n verbetering aan deernis inwoners se lewenskwaliteit sal kan maak.

2.3. Dat sodanige verslag met aanbevelings vir implementering by die Maart 2016 Raadsvergadering dien vir oorweging.

MUNICIPALITY - MUNISIPALITEIT STELLENBOSCH
25 JAN 2016
OFFICE OF THE SPEAKER
RECEIVED BY: .....

Mosie Kennisgewing
Munisipaliteit Stellenbosch

3. Aanbeveling

3.1. Munisipaliteit Stellenbosch se Administrasie word getaak om ondersoek te doen na hoe landelike deernis inwoners, veral diegene wat hulself op plase bevind, met Elektriese-; Gesondheid- en Sosiaal Maatskaplike Dienste vanaf Munisipale-, Provinsiale- en Nasionale Regeringskant ondersteun kan word.

3.2. Dat enige ander aanbevelings en bevindings wat 'n verbetering aan deernis inwoners se lewenskwaliteit sal maak deur hierdie Raad oorweeg word vir implementering en bystand aan ons Landelike Deernis Inwoners.

3.3. Dat sodanige verslag met aanbevelings vir implementering by die Maart 2016 Raadsvergadering sal dien vir oorweging.

Raadslid
Mosie Indiener

Handtekening van
Ondersteunende Raadslid

18 Januarie 2016

MUNICIPALITY - MUNISIPALITEIT
STELLENBOSCH
25 JAN 2016
OFFICE OF THE SPEAKER
RECEIVED BY: .....

10. CONSIDERATION OF MOTIONS OF EXIGENCY

NONE

11. MATTERS FOR INFORMATION

11.1 REPORT BY THE EXECUTIVE MAYOR ON DECISIONS TAKEN BY THE MAYORAL COMMITTEE AND STANDING COMMITTEES FOR THE PERIOD FEBRUARY 2016 (3/5/2/5)

Report by the Executive Mayor

In terms of Section 56(5) of the Municipal Structures Act, No 117 of 1998, the Executive Mayor must report to the Municipal Council on all decisions taken by the Mayoral Committee and Standing Committees.

The above-mentioned information is attached as **APPENDIX 1.**

FOR INFORMATION

11.2 DECISIONS TAKEN IN TERMS OF DELEGATED AUTHORITY BY THE EXECUTIVE MAYOR FOR THE PERIOD NOVEMBER UNTIL DECEMBER 2015

NONE

ITEM 11.1

APPENDIX 1

REPORT BY THE EXECUTIVE MAYOR ON DECISIONS TAKEN BY THE MAYORAL COMMITTEE AND STANDING COMMITTEES FOR THE PERIOD FEBRUARY 2016

38TH COUNCIL MEETING: 2016-02-24

REPORT BY THE EXECUTIVE MAYOR ON DECISIONS TAKEN BY THE MAYORAL COMMITTEE AND STANDING COMMITTEES FOR THE PERIOD FEBRUARY 2016

PLANNING AND ECONOMIC DEVELOPMENT COMMITTEE MEETING: 2016-02-02

5.2.5 APPLICATION FOR REZONING ON ERF 13190, STELLENBOSCH

PLANNING AND ECONOMIC DEVELOPMENT COMMITTEE: 2016-02-02: ITEM 5.2.5

RESOLVED (majority vote)

that **approval be granted** in terms of Section 17 of the Land Use Planning Ordinance, 1985 (No 15 of 1985), for the rezoning of Erf 13190 from Single Residential to Specific Business for office purposes, subject to the conditions of approval attached as **APPENDIX 1.**

Councillor F Adams requested that his vote of dissent be minuted.

(DIRECTOR: PLANNING, ECONOMIC AND COMMUNITY DEVELOPMENT COMMITTEE TO ACTION)

5.2.6 APPLICATION FOR DEVIATION FROM THE PROVISIONS OF THE BY-LAW RELATING TO THE CONTROL OF BOUNDARY WALLS AND FENCES ON ERF 11375, PARADYSKLOOF ROAD, STELLENBOSCH

PLANNING AND ECONOMIC DEVELOPMENT COMMITTEE: 2016-02-02: ITEM 5.2.6

RESOLVED (nem con)

that **approval be granted** for the application for deviation from the By-law Relating to the Control of Boundary Walls and Fences in order to construct a 2,1m high solid street boundary wall on Erf 11375, Paradyskloof Road, Stellenbosch, as indicated on the attached Drawing No. 2014/92/01, dated October 2014, drawn by D Lakey, attached as **APPENDIX 3**, subject to the conditions contained in **APPENDIX 1.**

(DIRECTOR: PLANNING, ECONOMIC AND COMMUNITY DEVELOPMENT COMMITTEE TO ACTION)

5.2.7 APPLICATION FOR REZONING AND DEPARTURE ON ERF 735, STELLENBOSCH

PLANNING AND ECONOMIC DEVELOPMENT COMMITTEE: 2016-02-02: ITEM 5.2.7

RESOLVED (majority vote)

(a) that **approval be granted** in terms of Section 16 of the Land Use Planning Ordinance, 1985 (No 15 of 1985), for the rezoning of Erf 735, Krige Street, Stellenbosch, from Single Residential to Specific Business for Offices in order to convert the existing dwelling into offices as indicated on the Site Development Plan attached as **APPENDIX 3,** subject to the conditions of approval attached as **APPENDIX 1;**

(b) that **approval be granted** in terms of Section 15 of the Land Use Planning Ordinance, 1985 (No 15 of 1985), for a building line departure to relax the 3.0m lateral building line to 0m adjoining Erf 734, in order to accommodate the existing building on the property in terms of the Specific Business Zoning, as indicated on the Site Development Plan attached as **APPENDIX 3,** subject to the conditions of approval attached as **APPENDIX 1;** and

(c) that condition 5 of the conditions imposed in terms of the rezoning (refer above) be amended to read as follows: The parking area be provided with a permanent permeable surface and be clearly demarcated and accessible and that the construction of the parking area be to the satisfaction of Council.

Councillor F Adams requested that his vote of dissent be minuted.

(DIRECTOR: PLANNING, ECONOMIC AND COMMUNITY DEVELOPMENT COMMITTEE TO ACTION)

12. OTHER URGENT MATTERS SUBMITTED BY THE MUNICIPAL MANAGER

NONE

13.1 CONSIDERATION OF REPORTS SUBMITTED BY THE SPEAKER

NONE

13.2 CONSIDERATION OF REPORTS SUBMITTED BY THE EXECUTIVE MAYOR

NONE

14. MATTERS TO BE CONSIDERED IN-COMMITTEE

(SEE PINK DOCUMENTATION)