

Weskusfleur Substation EIA

Social Impacts - Alternative 1

Significance Rating Table

Construction Phase										
Potential Impact	Mitigation	Extent (E)	Duration (D)	Magnitude (M)	Probability (P)	Significance (S=(E+D+M)*P)	Status (+ve or -ve)	Confidence		
Influx of job seekers, mainly unskilled labour, from the communities around the power line route having job expectations	Nature of impact:	The construction of the proposed substation can create employment expectations from job seekers								
	with	1	2	0	1	3	Low	-	Medium to high	
	without	1	3	2	2	12	Low	-	Medium to high	
	degree to which impact can be reversed:	Medium								
	degree of impact on irreplaceable resources:	N/A								
Health Impacts as a result of exposure to sewage from construction camps and on construction camps	Nature of impact:	If toilet facilities on site are not well managed, these can lead to adverse health impacts to the surrounding communities								
	with	1	1	2	2	8	Low	-	Medium to high	
	without	2	2	4	3	24	Low	-	Medium to high	
	degree to which impact can be reversed:	Medium								
	degree of impact on irreplaceable resources:	N/A								
Conduct of construction workforce	Nature of impact:	Bad conduct by the construction workers will have an impact on the type of relationship between contactors and community members								
	with	1	1	2	1	4	Low	-	Medium	
	without	2	2	4	2	16	Low	-	Medium	
	degree to which impact can be reversed:	High								
	degree of impact on irreplaceable resources:	N/A								
Theft of construction material	Nature of impact:	Material can be stolen from construction sites								
	with	1	3	2	2	12	Low	-	Medium	
	without	1	2	4	3	21	Low	-	Medium	
	degree to which impact can be reversed:	Medium								
	degree of impact on irreplaceable resources:	N/A								

	degree of impact on irreplaceable resources:	N/A							
Negative attitudes towards the project	Nature of impact:	Land / farm owners for whom visual impacts are important to their livelihoods might oppose the project							
	with	1	1	0	1	2	Low	-	Medium to high
	without	2	2	4	2	16	Low	-	Medium to high
	degree to which impact can be reversed:	High							
	degree of impact on irreplaceable resources:	N/A							
Pressure on Municipal Services	Nature of impact:	More people coming into the area, would mean that the CCTMM has to provide basic municipal services for those people							
	with	1	1	2	2	8	Low	-	Medium
	without	2	2	4	3	24	Low	-	Medium
	degree to which impact can be reversed:	Medium							
	degree of impact on irreplaceable resources:	N/A							
Land owners denying contractors access to their properties	Nature of impact:	From landowners who are opposed to the project							
	with	1	1	0	1	2	Low	-	Medium - High
	without	1	1	2	1	4	Low	-	Medium - High
	degree to which impact can be reversed:	N/A							
	degree of impact on irreplaceable resources:	N/A							
Loss of land leading to economic losses	Nature of impact:	Grazing land area can be lost due to clearing of land for the construction of the substation							
	with	1	1	2	1	4	Low	-	High
	without	1	2	2	2	10	Low	-	High
	degree to which impact can be reversed:	High							
	degree of impact on irreplaceable resources:	N/A							
Security concerns for neighbouring land/farm owners	Nature of impact:	The mere presence of construction workers in communities and especially on farms can lead to unease and people may feel threatened							
	with	1	1	2	1	4	Low	-	High
	without	1	2	2	3	15	Low	-	High
	degree to which impact can be reversed:	High							
	degree of impact on irreplaceable resources:	N/A							
	Nature of impact:	Construction sites are highly hazardous environments and the safety of people and animals can be compromised							
	with	1	1	0	1	2	Low	-	Medium
	without	1	2	2	2	10	Low	-	Medium

Safety of community members/farm workers/and animals	degree to which impact can be reversed:	Medium							
	degree of impact on irreplaceable resources:	N/A							
Loss of sense of place/income on – Tourists want to see the Coastal Fynbos be protected on the site	Nature of impact:	The presence of substation and powerlines particularly in tourist attractions can result in tourists no longer visiting the area as their views will be spoilt							
	with	1	1	2	1	4	Low	-	Medium to high
	without	1	2	4	2	14	Low	-	Medium to high
	degree to which impact can be reversed:	Medium							
	degree of impact on irreplaceable resources:	N/A							
Decrease in property values due to the visual impacts of substation and power lines as well as the perceived impacts of electromagnetic fields on humans and animals	Nature of impact:	These can lead to economic losses							
	with	1	1	2	1	4	Low	-	Medium to high
	without	1	1	2	1	4	Low	-	Medium to high
	degree to which impact can be reversed:	Medium							
	degree of impact on irreplaceable resources:	N/A							
Increase in the voltage stability	Nature of impact:	An increased voltage will ensure that activities that were not able to take place will be possible							
	with							+	Medium to high
	without	4	4	10	4	72	High	+	Medium to high
	degree to which impact can be reversed:	N/A							
	degree of impact on irreplaceable resources:	N/A							
An assurance of a reliable electricity supply	Nature of impact:	Reliable electricity supply is a positive impact that will improve activities such as tourism							
	with	2	4	6	4	48	Medium	+	Medium to high
	without	4	3	10	4	68	High	+	Medium to high
	degree to which impact can be reversed:	N/A							
	degree of impact on irreplaceable resources:	N/A							
Operational Phase									
Potential Impact	Mitigation	Extent (E)	Duration (D)	Magnitude (M)	Probability (P)	Significance (S=(E+D+M)*P)	Status (+ve or -ve)	Confidence	

Loss of sense of place/income on – Tourists want to see the Coastal Fynbos be protected on the site	Nature of impact:	The presence of the substation particularly in tourist attractions can result in tourists no longer visiting the area as their views will be spoilt							
	with	1	1	0	1	2	Low	-	Medium
	without	1	1	2	2	8	Low	-	High
	degree to which impact can be reversed:	Medium							
	degree of impact on irreplaceable resources:	N/A							
Poor maintenance of the substation and access roads: conflict between Eskom and the landowners	Nature of impact:	Bad state of the roads							
	with	1	1	2	2	8	Low	-	Medium to high
	without	1	1	4	3	18	Low	-	Medium to high
	degree to which impact can be reversed:	High							
	degree of impact on irreplaceable resources:	N/A							
Decrease in property values	Nature of impact:	These can lead to economic losses							
	with	1	1	0	1	2	Low	-	Medium to high
	without	1	1	2	2	8	Low	-	Medium to high
	degree to which impact can be reversed:	Medium							
	degree of impact on irreplaceable resources:	N/A							
Security issues as a result of the presence of maintenance workers on properties	Nature of impact:	The presence of construction workers can result in the treat of safety and can possibly lead to actual crimes being committed on some properties							
	with	1	2	0	1	3	Low	-	High
	without	1	2	2	2	10	Low	-	High
	degree to which impact can be reversed:	High							
	degree of impact on irreplaceable resources:	N/A							
Land owners denying contractors access to their properties	Nature of impact:	This can result in maintenance not occurring							
	with	1	2	0	1	3	Low	-	Medium
	without	1	2	2	2	10	Low	-	Medium
	degree to which impact can be reversed:	N/A							
	degree of impact on irreplaceable resources:	N/A							
Increase in the voltage stability	Nature of impact:	An increased voltage will ensure that activities that were not able to take place will be possible							
	with								
	without	3	5	8	5	80	High	+	Medium
	degree to which impact can be reversed:	N/A							
	degree of impact on irreplaceable resources:	N/A							
An assurance of a reliable electricity supply	Nature of impact:	Reliable electricity supply is a positive impact that will improve activities such as tourism in the Makhado Local Municipality							
	with	3	4	2	4	36	Medium	+	Medium
	without	2	1	6	4	36	Medium	+	Medium
	degree to which impact can be reversed:	N/A							
	degree of impact on irreplaceable resources:	N/A							
No more backlogs in electricity Connections	Nature of impact:	The absence of backlogs in electricy connections can imply that activities that can only take place where electricity is present will be possible							
	with								
	without	3	5	8	5	80	High	+	Medium
	degree to which impact can be reversed:	N/A							
	degree of impact on irreplaceable resources:	N/A							

	degree of impact on irreplaceable resources:	N/A							
The provision of electricity to services such as health facilities will cease	Nature of impact:								
	with								
	without	3	5	8	5	80	High	+	Medium
	degree to which impact can be reversed:	N/A							
	degree of impact on irreplaceable resources:	N/A							
Decommissioning Phase									
Health Impacts as a result of exposure to sewage from construction camps and on construction camps	Nature of impact:	If toilet facilities on site are not well managed, these can lead to adverse health impacts to the surrounding communities							
	with	1	1	0	1	2	Low	-	High
	without	1	2	2	2	10	Low	-	High
	degree to which impact can be reversed:	High							
	degree of impact on irreplaceable resources:	N/A							
Health impacts from construction sites and camps as a result of infectious diseases	Nature of impact:	Where construction workers are infected with infectious diseases, these can be passed on to the community members or farm workers in the area							
	with	1	1	2	2	8	Low	-	Medium
	without	1	1	4	3	18	Low	-	Medium
	degree to which impact can be reversed:	Medium							
	degree of impact on irreplaceable resources:	N/A							
Conduct of construction workforce; Good relationships between community members/farm workers and Eskom Construction workers	Nature of impact:	It is possible that because of good relationships between contactors and community members, negative as well as positive actions can arise							
	with	1	2	2	2	10	Low	-	High
	without	1	2	4	3	21	Low	-	High
	degree to which impact can be reversed:	High							
	degree of impact on irreplaceable resources:	N/A							
Conduct of construction workforce; Bad relationships between community members/farm workers and Eskom Construction workers leading to violence	Nature of impact:	These can result from factors such as differences in beliefs and cultural backgrounds							
	with	1	1	2	2	8	Low	-	Medium
	without	1	1	4	3	18	Low	-	Medium
	degree to which impact can be reversed:	Medium							
	degree of impact on irreplaceable resources:	N/A							
Theft of material from camps and along construction sites	Nature of impact:	Material can be stolen from the sites where decommissioning is taking place as material used in electricity is often the targeted by criminals							
	with	1	1	0	1	2	Low	-	Medium
	without	1	1	2	2	8	Low	-	Medium
	degree to which impact can be reversed:	High							
	degree of impact on irreplaceable resources:	N/A							
Negative attitudes towards the project	Nature of impact:	It is possible that land owners for whom visual impacts are important to their livelihoods will oppose the project							
	with	1	1	2	2	8	Low	-	Medium
	without	1	1	4	3	18	Low	-	Medium
	degree to which impact can be reversed:	Medium							
	degree of impact on irreplaceable resources:	N/A							
	Nature of impact:	This would be expected from landowners who are opposed to the project							
	with	1	1	0	1	2	Low	-	High
	without	1	1	2	2	8	Low	-	High

Land owners denying contractors access to their properties	degree to which impact can be reversed:	High							
	degree of impact on irreplaceable resources:	N/A							
Damage to farm infrastructure	Nature of impact:	This can lead to conflicts with community members and farmers							
	with	1	1	2	1	4	Low	-	Medium to high
	without	1	1	4	2	12	Low	-	Medium to high
	degree to which impact can be reversed:	N/A							
	degree of impact on irreplaceable resources:	N/A							
Security as a result of the presence of workers on farms and communities	Nature of impact:	Presence of workers might cause discomfort to community members							
	with	1	1	2	1	4	Low	-	High
	without	1	1	4	1	6	Low	-	High
	degree to which impact can be reversed:	Medium							
	degree of impact on irreplaceable resources:	N/A							
Safety of community members/farm workers/animals	Nature of impact:	Presence of construction workers might cause an increase in crime within the area							
	with	1	1	2	1	4	Low	-	Medium
	without	1	1	4	3	18	Low	-	Medium
	degree to which impact can be reversed:	Medium							
	degree of impact on irreplaceable resources:	N/A							