



Umbuso wasEswatini
Sibuyeketo seluhlelo lwekulwa nekugucuka
kwesimo selitulu

Lolwaxhiwe ngemaSwati lwase lwetfulwa eluhlelweni lwamhlabuhlangene
lolubuke kugucuka kwesimo selitulu, lwaba sibophelelo selive

Lwetfulwe ngeMphala 2021
(Lwahumushwa ngaMabasa 2023)

1. Singeniso

Live lasEswatini libhekene nemitsetela yekugucuka kwesimo selitulu lose itsintsa cishe tonkhe tinhlangothi telive kanye nekuphila kwebantfu. Imitsetela yekushintja kwesimo selitulu seyente live lasEswatini lahlangabetana nekwardza kwetivuvu letitsatsa emalanga, timvula litishintjashintjako, tiphepho kanye netimo telitulu letimbi kakhulu, loku faka ekhatsi somiso netikhukhula. Noko live lasEswatini lite umlandvo longakanani wekubanga kugucuka kwesimo selitulu. Kukhicitwa kwetintfutfu letibanga kugucuka kwesimo selitulu (GHGs) kuncane kakhulu nakucatsaniswa nalamanye emave emhlabeni wonkhe, kepha lelive alikaphephi, liyachubeka nekubhekana nemitsetela lemibi kakhulu yekugucuka kwesimo selitulu losekubuyisela live emuva etindzabeni tentfutfuko. Lokugucuka kwesimo selitulu kubukwe njengentfo lebaluleke kakhulu nakukhulunywa ngetekutfukisa umnotfo welive, futsi live lakaNgwane liyatibophela ekutsatseni tinyatselo letiphutfumako letitosejtentiswa iminyaka lemidze kute kuncishiswe kubasengotini kwemaSwati kanye nekubasengotini yekulahlekelwa yintfutfuko lebeseyikhona kulelive lokungabangwa ngulokugucuka kwesimo selitulu.

Njengencenye yetibopho telive ngaphansi kwesivumelwano saseParis, live lasEswatini lakhe i-Nationally Determined Contributions (NDC), lokuluhlelo lokusebenta indzaba yekugucuka kwesimo selitulu eveni. Lohlelo lwakhiwa kwecucala ngemyaka wa 2015 lwase luphindze lwabuyeketwa ngemyaka wa 2021 ngenca yesifiso sekutsi lendzaba yekugucuka kwesimo selitulu ibuketwe kuwo onkhe ematiko natonke tinhlangothi letandzisa umnotfo kulelive. Ngekusekelwa tinhlolo nelucwalingo lolwentiwa eveni kwabukwa tinhlangothi letisihlanu (tekulima, temanti, temphilo, temvelo kanye netinhlobonhlobo tetihlahla netilwane letiphilako, kanye netakhiwo) letabekwa kutsi tilandzelelwe etindzabeni tecinisa tekumelana nekugucuka kwesimo selitulu. Kunciphisa tintfutfu letigucula simo selitulu kubukwe letinhlangothi etilandzelako: temandla netekutfutsa, tekuhloba, emafemu nemikhicito yawo, kanye netekulima, emahlatsi nekusentjetiswa kwemhlaba nekubiwa kwawo. Tinhlangothi letinye letibukiwe tifaka ekhatsi tebulili, insha kanye nekuncishiswa kewmitsetela lemibi yetehlakalo.

2. Tindlela tekumelana nekugucuka kwesimo selitulu

Live lasEswatini litibekele tindlela tekumelana nekugucuka kwesimo selitulu etinhlangothini temnotfo letisihlanu.

2.1 Tekulima

1. Kwandziswa kweligalelo lelifakwa tekulima ekutfukiseni umnotfo kute kube nekudla lokwanele eveni, kanye nekukhicitwa kwemnotfo ngekusebentisa letindlela letilandzelako:
 - Kuyekela kunisela ngemusele kusentjetiswe tindlela letonga emanti
 - Kutfutukisa kuvunwa kwemanti etindzaweni tetekulima, lokufaka ekhatsi tinklebha, nekusentjetiswa kwetebucwephesha letitfutukisa umkhicito wekudla
 - Kutfutukiswa kusentjetiswa kwabo sandanezwe ekukhicitweni umnotfo kube kuncishiswa tintfutfu letigucula simo selitulu
 - Kuyekela kusebentisa tindlela tekukhicitwa letidla emanti lamanigi, kusentjetiswe tilimo (lokufaka ekhatsi tihlahla nemfuyo) letikhona kumelana nesomiso
 - Kusentjetiswa nekunakekelwa kwemadlelo ngetindlela letinciphasa kunyukubeteka kwemvelo, tiphindze tinciphise tintfutfu letigucula simo selitulu
 - Kucaphela nekubuka ngeliso lelikhaliphile ema Genetically Modified Organisms (GMOs) kute tinhllobonhlobo tetintfo letiphilako tivikeleke, imitsetela yema GMOs lemibi igomeke.

2. Kunciphisa buphuya, kucinisekisa kutsi live linekudla nemsoco lokwanele ngekusebentisa umcebo wemvelo, kuvuleka kwetimakhete, nekusetjentiswa kwetindlela letitfutukile tekuvikela tingoti. Loku kungentiwa ngekusebentisa letindlela letilandzelako:

- Kulungiswa kwetindzawo letigedvukile nekunakekelwa kwemhlaba kute umelane nekugucuka kwesimo selutulu, kuphindze kube nemitselela yekuncipha kwema GHGs
- Kutfutukiswa kwetindlela tekuphengula simo selitulu nekucwayiswa kwesive ngesikhatsi kute sikhone kutsatsa tinyatselo letifanele kuphephisa umkhicito webalimi
- Kutfutukiswa kwemkhicito wetinhlobo letihlukene tekudla, nekwengeta umsoco ngetindlela letehlukene, kufaka ekhatsi kuwengeta etilimeni
- Kutfutukiswa kwemkhicito nekudliwa kwekudla kwesintfu lokunemsoco, ikakhulu kulabo labaswele nalabasengotini.
- Kutfutukiwa kwekusetjentiswa kwetindlela tekulima (tilimo, tinhlanti nemfuyo) letinemtselela ekulweni nekugucuka kwesimo selitulu kute kube nekudla lokwanele kwenyuke nelizinga nemnotfo
- Kunakekelwa kwemvelo, ngekunaka bosandanezwe kusentjentiswa umgomo nemasu lekutokwenta kuvikeleke emadlelo netindzawo letiselusentseni lwemifula, kuphidze kuvikeleke indalo lesetindzaweni letitsite kuphela
- Kufundziswa nekwesekelwa kwemimango kutsi ibe nemikhicito letinhlobonhlobo, kusitakale nebesifazane ekukhuliseni umnotfo
- Kutfutukiswa kwetindlela tokulondvolota sivuno kute kudla kube ngulokwenele, lokuhlala kutfolakala tikhatsi tonke kute bonkhe bakhona kukutfo
- Kuphila nekudla ngendlela lengiyo
- Kudla nekuphila ngendlela lenakekela temphilo impindze icinisekise kuphila ngendlela lekhone kumelana sekugucuka kwesimo selitulu.

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2.2 Temanti

1. Kutfutukisa kunakekeleka nekuhlonipheka kwekusetjentiswa kwemanti kahle kwatise kutsi kugucuka kwesimo selutulu kuhambisana nekuncipha kwemanti
2. Kwakhiwa kweluhlelo lwekubhadalisa emanti lolutobanemtselela weku sebensiseka kahle kwawo, lokufaka ekhatsi kusentjentiswa kwebucwephesha bekukala emanti
3. Kutfutukisa tindlela tekwaba emanti, kukala buningi neku sentjentiswa kwawo kute kuvikeleke emanti latfolakala ngetulu nangephansi kwemhlaba, kute nakunesidzingo kube neluhlelo lwekunciphisa kusentjentiswa kwawo lolubekwa ngesikhatsi.
4. Kucinisa tinhlelo tekwecwayisa kusenesikhatsi kute kutfutukiswe tindlela tekutilungiselela nekusabela ngesikhatsi nakuvela tehakalo
5. Kwakhiwa nekusestjentiswa kwemasu etindzawo letigcina emati kute kutfutukiswe i-ecosystem kanye nekusimama kwemimango
6. Kunciphiswa noma kucedvwa kwabosandanezwe kanye nekuvikelwa kwekungcola nekuhlotjiswa kwetindzawo letigcina emanti kute kuvikeleke imitfombo yemanti (lizinga kanye nelinani)
7. Kwakhiwa kwetakhiwo temanti letingasetjentiselwa tintfo letiningi, lokufaka ekhatsi emadamu lamakhulu nalamancane, tinkelebha, nemadamu esihlabatsi
8. Kutfutukiswa kwetinhlelo tekwaba emanti, tekugcogca emangcoliso kanye netekuhloba kute tetemphilo tibe sezingeni leliphakeme
9. Kwakhiwa kwemitsetfo nemigomo letfutukisa tinhlelo tekwaba emanti, tekugcogca emangcoliso kanye netekuhloba kutekumelana nekugucuka kwesimo selitulu

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10. Kwentwiwa kwelucwaningo lwekutfolakala nekwabiwa kwemanti kusekela ku2030 kuya embili, lolufaka ekhatsi lucwaningo lwematfuba netihibe, kube kucaphelwe imitiselela yekugucuka kwesimo selitulu
11. Kutfutukiswa kwetakhwiwo tekugcina emanti netekutfutukisa kuhloba ngendlela letokwenta timelane ncono nekugucuka kwesimo selitulu

2.3 Temphilo

1. Kutfutukisa umtsetfo, imigomo kanye neluhlaka lwekusebenta ehlangotsini lwetempilo ngekusebentisa
 - Kutfutukisa nome kwakha imigomo netinhlelo tetempilo leticapele indzaba yekugucuka kwesimo selitulu
 - Kucinisa tinhlelo tekulwa netifo, nekucaphelwa kwato kusentjetiswa imilayeto yesimo selitulu kute kukhonakale kulwa nalokutfwala letifo, kufaka ekhatsi tilokatana
 - Kutfutukisa nekuhlanganisa tinhlelo telwati ngetempilo netinhlelo taletinye tinlangotsi letinemitselela kutempilo kute kwakheke luhlelo lunye lolukhaliphile lwekucaphela tempilo (Monitoring Review and Verification (MRV)) eveni; kanye ne
 - Kutfutukiswa kwetinhlelo leticinisa tetempilo kute tikhone kumelana netimo letiphutfumako letita nekugucuka kwesimo selitulu. Loku kungentiwa ngekwakhiwa kwetinhlelo teku lungela, kulokunye.
2. Kucinisa luhlelo lwetempilo ngalokulandzelako:
 - Kunika kwetisebenti tetempilo lwati mayelana nemitiselela lemibi yetingucuko tesimo telitulu
 - Kufundzisa nekwatisa sive ngetinyatselo letidzingekeko kute sitivikele emitseleleni lemibi yekugucuka kwesimo selitulu.
3. Kusetjentiswa kwetebuchwephesha kusita tetempilo kutsi timelane kancono nekugucuka kwesimo selitulu ngekusebentisa:
 - Kwemukelwa kwebuchwephesha lobutolekelela sive kutfutukisa ematfuba ekumelana nekugucuka kwesimo selitulu nemitiselela yako lemibi ketempilo
 - Kusungulwa kweluhlelo lwekucwayisa kusenesikhatsi ngesimo selitulu lesinemutselela lomubi kutempilo kute tisebenti tetempilo totosukumela etulu nakunesimo lesingahle sibe nebungoti kutempilo.
4. Kutfutukiswa kwelikhono lweluhlangotsi lwetempilo ngeletindlela letilandzelako:
 - Ngekusekela ngetimali imizamo yetempilo yekunciphisa kungalingani kanye nekuba sengotini lokuhlobene nesimo selitulu.
 - Kukhutsata kwakhiwa kwemakhono, tinhlelo telucwaningo nentfutuko, imfundvo, kuchwashisa, nekucecehwa etindzabeni letihambelana nekugucuka kwesimo selitulu
 - Kucashelwa kwetindzaba tebulili nakwakhiwa imigomo nemitsetfo lekhulumisa tindzaba tekugucuka kwesimo selitulu, nekuciniswa kwetinhlelo letisekelaticheme tebantfu letisengotini lenkhulu (besifazane, insha kanye nebantfwana) yekukhinyabetwa tingoti letibangwa kugucuka kwesimo selitulu
 - Kusentjetiswa kwemitselela lemihle yekunciphisa kukhicitwa kwetintfutfu letigucula simo selitulu lokufaka ekhatsi buchwephasa lobuhlobile ketekuhloba netemandla.

2.4 Temvelo kanye netinhlobonhlobo tetihlahla netilwane

1. Kukhuliswa kwelizinga lekuhlanyelwa kwetimali ekuvikeleni nasekunakekelweni kwemvelo, nekuciniswa kwetinhlelo:
 - letiphilisa, tilungise kwemhlaba logedvukile nemvelo lebeso inyukubetekile
 - letitfufukisa yekugcinwa kwelufuto lwetinhlahla, tilimo netilwane temdzabu
 - letilugisa tiphindze tivikele tindzawo letimatete, kufaka ekhatsi nalalo laba wesikhashana
 - kusentjetiswa ngendlela lekhosako kwethlahla netilwane
2. Kwakhiwa kweluhlelo lweminyaka leminyenti lwekuvikela tinhlobonhlobo tetihlahla netilwane nekuphatfwa kahle kwemhlaba nemcebo waphansi. Loluhlelo lutofaka ekhatsi kukhuliswa tindzawo letivikele imvelo nekukhuliswa kwelizinga tinhlobonhlobo tetihlahla netilwane letikhona kumelana nekugucuka kwesimo selitulu ngalo.
3. Kwakhiwa kweluhlelo lwekuphatsa kahle kwemvelo, lokufaka ekhatsi tindzawo letinetshani, emahlatsi, imifula nematete. Loku kufaka ekhatsi kulungiswa kweluhlelo kolubuke kuphatfwa kwetinhlobonhlobo tetihlahla netilwane nekwenza siciniseko sekutsi tinhlelo tekuciniswa kumelana nekugucuka kwesimo tifaka ekhatsi kuphatseka kahle kwemvelo.
4. Kwehliswa kwelizinga lekulinyatwa ngayo imvelo (kujutjwa kwetihlahla nekwakhiwa kwetindzawo tekuhlala kwebantfu) kute kugcineke tindzawo letinciphisa emaGHGs tiphindze tiftufukise tekuvakasha
5. Kunakekelwa kwemanti ladingwa yimvelo, kufaka ekhatsi tinhlobonhlobo tetihlahla netilwane
6. Kuncishiswa nekucedvwa kwabo sandanezwe (tihlahla netilwane letifaka ekhatsi tinhlanti), kusentjetiselwe kukhulisa umkhicito wekudla nemnotfo
7. Kwentiwa kwelucwalingo, kwakhiwa kwemasu lamasha kuphindze kufundziswe ngetindlela lokungakhiwa ngato timali ngekusebentjetiswa umkhicito wetihlahla, kufaka ekhatsi nalokungesito tigodvo.

2.5 Takhiwo

1. Kuciniswa sisekelo sebufakazi bemitsetela yekugucuka kwesimo selitulu etakhiweni lesitosentjetiswa nakutsatfwa tincumo ngetakhiwo
2. Kufundzisa (emimangweni nasetindzaweni temisebenti netekufundzela) ngetindlela tekucaphela tindzaba nekugucuka kwesimo selitulu nakusetjentwa indzaba yetakhiwo
3. Kulungiswa kwetakhiwo, ikakhulu leto letibalulekile, kute timelane ncono nekugucuka kwesimo selitulu
4. Kwakhiwa kwetinhlelo temvelo letitokwenta kutsi takhiwo temadolobha timelane ncono nekugucuka kwesimo selitulu, kunciphe imitsetela lemibi yetehlakalo
5. Kuphatfwa kahle kwemvelo labalulekile emadolobheni kute kuvikeleke tikhukhula, kugcineke imvelo lukufaka ekhatsi tinhlobonhlobo tetihlahla netilwane, kusite nekugcinasimo selitulu semvelo emadolobheni
6. Kusentjetiswa kwetindlela tekubutfwa kwetibi nekucina kuhloba ngedlela letovikela imvelo, kutfutukise netemphilo
7. Kuciniswa kwetinhlelo temadolobha, kute abengulawo lakhona kumelana nekugucuka kwesimo selitulu.

3. Tindlela tekunciphisa tintfutfu letigucula simo selitulu

Live leSwatini litbeke letindlela letilandzelako kunciphisa tintfutfu letigucula simo selitulu:

3.1 Temandla netekufutsa

Live lihlela kutsi gesi losentjetiswa eveni lophehlwe ngetindlela letingatinyukubeti imvelo ukhule lokungenani ngalokumashumi lasihlanu ekhulwini (50%) kungakengci umnyaka wa 2030 kucatsaniswa nemnyaka wa 2010. Tindlela tekukhucita gesi letitawutfufukiwa tifaka ekhatsi leto letisebentisa emadla elilanga, emandla emoya, emadla emanti kanye nemandla latfolakala ngeku shisa tinkhuni. Tinyatselo letibukiwe nguleti;

• Kukhicitwa kwagesi

- Ngekusebentisa emadla elilanga: 55.85 MW
- Ngekusebentisa emadla emanti: 80 MW
- Ngekusebentisa emandla etinkhuni: 95 MW
- Ngekusebentisa emadla emoya: kwentiwe lucwalingo lwaloku

• Emakhaya nasetindlini tekuhlala

- Kutsi kufika umyaka wa 2030 onkhe emakhaya apheke ngemlilo lobaswe ngetidlela tesimanjemanje letingayinyukubeti imvelo
- Kutsi kifuka umnyaka wa 2030, kube lizinga lekusebentisa titofu letisebentisa tikhuni letincane lenyuke ngalokungemashumi lasihlanu ekhulwini (50%)
- Kutsi kifuka umnyaka wa 2030 kube tindlela tekufutfumeta emanti kusentjetiswa tinkhuni ngekumosa tiyekelwe kwasentjetiswa tindlela letonga emandla, kute ama GHGs lasuka kuloluhlangotsi anciphe ngalokulishumi nakutsatfu ekhulwini (13%)
- Kutsi kifuka umnyaka wa 2030 kube kuncishiwe emandla lasentjetiselwa kufutfumeta emanti ngekushintja emagiza lajwayekile, kufakwe emagiza langu 1000 lasebentisa gesi lophehlwe engemandla elilanga
- Kunciphiswa kwekusentjetiswa kwagesi ngalokumashumi lamabili ekhulwini (20%) kungakefiki umnyaka wa 2030, kucatsaniswa nemazinga anga 2010.

• Emafemu (industry)

- Kuncishiswa kwekusentjetiswa kwagesi ngalokusihlanu ekhulwini (5%) kungakefiki umnyaka wa 2030, kucatsaniswa nemazinga anga 2010.

• Emabhizinisi kanye nahulumende

- Kuncishiswa kwekusentjetiswa kwagesi ngalokutsatfu ekhulwini (3%) kungakefiki umnyaka wa 2030, kucatsaniswa nemazinga anga 2010.

• Tekulima

- Kuncishiswa kwekusentjetiswa kwagesi ngalokutsatfu ekhulwini (3%) kungakefiki umnyaka wa 2030, kucatsaniswa nemazinga anga 2010.

Kusetjentiswa kwagesi kuto tonkhe letinhlangothi letingenhla kubhekeke kutsi kuchubeke nekukhula njengobe live lisatfutfuka, kepha live letsembisa kusebentisa gesi ngekonga kute kunciphe lizinga lalokukhula lokubhekekile.

- **Tekutfutsa**

Tinhlelo taloluhlangitsi tifaka ekhatsi naku lokulandzelako:

- Kusetjentiswa kwa phethiloli lobhicwe ne-ethanol lelishumi ekhulwini (10%) kungakafiki umnyaka wa 2030
- Kwentiwa kwelucwaningo lolubuketa kusentjentiswa kwetekutfutsa, lokufaka ekhatsi timotolo telisebentisa gesi

3.2 Tekuhloba

Live liphokophele kunciphisa imkhicito wetintfutfu letigucula simo neku kubutfwa kwetibi. Tinyatselo letibalulekile letitosentjentiswa nguleti:

- Kuncishiswa kwekushiswa kwetibi letikolekwa bomasipala
- Kusentjentiswa kwetibi letivundzile kwakha umcuba. Inhloso kutsi kutsi kufika umnyaka wa 2030 ibe lokengenani lokungemashumi lamatsafu ekhulwini (30%) kwetibi letivundzile kube sekusentjentiswa kwakha imvundvo/umcuba
- Kusentjentiswa kwebucwephesha lobubutsa tintfutfu talapho kulahlwa khona tibi (i landfill gas) etindzaweni tekugcogca tibi, kufaka ekhatsi leto letikhona naleto letisato kwakhiwa
- Kutfufukiswa kwetindlela tekuhlobisa emanti lasasentjentisiwe
- Kwentiwa kwelucwaningo nekwakhiwa kwetinhlelo tekwenta simo semnotfo eveni kube nguleso lesite tibi letilahlwako, kepha konkhe kuphindze kusentjentiselwe kwakha umnotfo lokhonsako eveni. Lendlela itonciphisa imitsethela lemibi yetentfutfuko endalweni, kunciphise nekusebenta kwemcebo waphasi.

3.3 Emafemi nemikhicito yawo

Live lihlose kwehlisa kukhicitwa kwetintfutfu letigucula simo selitulu lisebentisa sivumelwani sase Montreal. Tinyatselo letitawutsafwa ngunati letilandzelako:

- Esikhundleni sekusentjentiswa kwemaHFC kufakwe kusentjentiswe lokunemtsethela lomncane ekigicikeni kwesimo selitulu, lokufaka ekhatsi;
 - Kusentjentiswa kwe isobutene (HC-600A) esikhundleni sekusentjentiswa kwemaHFC-134A emafrijini asemakhaya newema bhizinisi
 - Kusentjentiswa kwe ammonia esikhundleni semaHFC-134A emafrijini asemabhizinisini nmafemu
- Kuyekela kusentjentiswa nekukhicitwa kwema HFCs Eswatini kungakengci umnyaka wa 2024
- Kusentjentiswa kwetindlela letingito, letitsatselwe kulamanye emave, kugcogca nekusebentisa kabusha bogesi bekucandzisa
- Kugcogwa nekusentjentiswa kabusha kwabogesi bekucandzisa labatsafwa kulesekulahliwe

3.4 Tekulima, emahlatsi nekusentjentiswa kwemhlaba

Live lase Eswatini lihlose kutfutukisa indlela lelibala ngayo tintfutfu letigucula simo selitulu letisuka ehlanotsini lwetekulima, emahlatsi nekusentjentiswa kwemhlaba, kusuke esigabeni sekucala (tier 1) kuye esigabeni sesibili (tier 2). Live lihlose nekunciphisa kugedvuka kwemhlaba, kufaka ekhatsi etindzaweni letisetintsabeni. Loku kutawukwentiwa ngeku lingisa umhlaba logedvukile kusentjentiswa kuhlanyelwa kwetihlahla (live lihlose kuhlanyela tihlahla letitigidzi letilishumi) nekutfufukiswa kwekuphatfwa kwemfuyo.

4. Letinye tinhlangothi

Kugucuka kwesimo selitulu sekusitsikamele ngetindlela letinyenti sive sase Eswatini. Lokutsikameteke kuhambisana nekwaswelakala kwekudla, kulahleka kwemkhicito, kuhlaselwa tifo letibomashaya abhuce nekufa kwebantfu ngelizinga lelisetulu. Noko lizinga lekutsikameteke liyehlukana umango ngemango. Live lase Eswatini licaphele kutsi kuneticheme letehlukene letisengotini lenkhulu, lekufaka ekhasti besifazane, titabane, lebashintje bulili nalananye, labahlala emimangweni lesemakhaya, bogogo nabo mkhulu, labakhubatekile nensha. Leticheme titawunakekelwa ngetindlela letikhethsekile kusasentjetwa indzaba yekugucuka kwesimo selitulu kutotonkhe tinhlangothi.

4.1 Tebulili

1. Kutakwaxhiwa indlela yekufaka tindzaba tebulili kuto tonke tinhlelo letilwa nekugucuka kwesimo selitulu
2. Kutotfutukiswa kubambisana nebantfu besifazane nakwaxhiwa tincumo ngekuncitjwa kwekugucuka kwesimo selitulu kuze kutsi kube khona tindlela tekutfola sisombululo etinkingeni nasetingotini letihlasele bantfu bebulili lobehlukene.
3. Kutokwaxhiwa imigomo nemasu ekusebenta tindzaba temcebo wemvelo nekuncishiswa kwemitselela yetehlakalo lecaphele tindzaba tebulili
4. Kutokhutsatwa ematfuba lalinganako ekutfola lwati nebucwephesha kanye nemakhono
 - a. ekutilungiselela kukhona kuphila nemitselela ykugucuka kwesimo selitulu
 - b. ekuvuna emanti elitulu kute kubencono simo semphilu nekukhona kumelana nekugucuka kwesimo selitulu;
5. Kutokwaxhiwa ematfuba lalinganako abobonkhe ekutfola nekusebentisa umcebo wemvelo, tebcwephesha netimali kutfutukisa kusentjetiswa kwemati emakhaya nasekutekulima
6. Kutokwaxhiwa ematfuba lalinganako abobonkhe, ikakhulu besifazane, ekutfola lwati nemakhono ekugcogca tibi ngendlela lefanele.

4.2 Insha

1. Kutofundziswa bantfu labasha ngemakhono ekwaxha imigomo yekutfolakala kwetimali tekusebenta indzaba yekugucuka kwesimo selitulu. Batophindze bafundziswe nekusebentisa ematfuba lavetwa kugucuka kwesimo selitulu kwaxha umnotfo nekutiphilisa lokufaka ekhasti kwaxha tindlela tekusebentisa gesi lomncane, kutsengisa nekulungisa imishina yebucwephesha lenciphisa kunyukubeteka kwemvelo, kufuya nekulima ngendlela lemelana nekugucuka kwesimo selitulu iphindze ingayinyukubeti imvelo, kwenta tingadze tasemadolobheni, kuvuna nekonga emanti, kugcogca tibi ngendlela lefanele tiphindze tisentjetiselwe kwaxha umcebo, kulingisa takhiwo ngendlela tetokwenta timelane nekugucuka kwesimo selitulu, kulokunye.
2. Kukhutsata bantfu labasha kutsi bangenele tindzaba tekugucuka kwesimo selitulu nekutsi babekhona nakutsatfwa tincumo tekuncoba lokugucuka kwesimo selitulu, lokufaka ekhasti kwaxhiwa kwemigomo netinhlelo tekusebenta.
3. Kutfutukiswa kwemakhono abosomabhezini labanga butsa tibi emadolobheni nasemimangweni, kutfolakale insha lengasebentisa tibi kwaxha umnotfo , iphindze ilime ngetindlela letingalimati imvelo
4. Kwaxha tinhlelo letiholwa bantfu labasha, leticwayisa imimango ngekugucuka kwesimo selitulu, ngetindlela tekunciphisa tintfutfu letigucula simo selitulu nekutsi imitselela netingoti letibangwa kugucuka kwesimo selitulu tingancishiswa kanjani

5. Kukhutsata kwakhiwa kwemicondvo nebucwephesha lobusha lokungasentjetiswa kulwa negukucuka kwesimo selitulu

4.3 Kunciphisa Imitselela yeTehlakalo

1. Kwentiwa kweluhlolo nekulungiswa kwemamephu etehlakalo phindze kwentiwe lucwaningo ngematfuba ekunciphisa kwenteka kwetehlakalo
2. Kwakhiwa kweluhlelo lwekucwayisa ngetingoti letiningi loluhlanganisa tonkhe tinhlangothi letifanele kulandzelela bungoti lobuhambelana nekugucuka kwesimo selitulu
3. Kutfutukiswa kwetindlela tekuphengula simo selitulu tibe tesimanjemanje, kutfutuke tindlela tekufinyelela kwemilayeto yekwecayisa kubantfu, kuphindze kwakhiwe tinhlelo letifanele tekumelana nalesimo
4. Kutfutukiswa kwetinzawo tekucwayisa kusenesikhatsi kute kutawusheshe kulungiselwe timo lesetiphutfumako netehlakalo, kuphindze kutfolakale emachinga ekumelana netehlakalo kuto tonkhe tinhlangothi letifanele
5. Kwakhiwa kwemakhono ekulandzelela tehlakalo letibangwa kugucuka kwesimo selitulu etinhlangothini nasematikweni lafanele, kusetjentwa ngekubambisana.

5. Tindlela tekusebenta

Live lase Eswatini litibophelela kusebenta tindzaba tekugucuka kwelitulu letibekwe kule NDC nangabe litfolala kusekelwa ngetimali, emakhono nebucephesha. Timali letidzingeleka kwenta lomsebenti tilinganiselwa etigidzini letingemakhulu layimfica nemashumi lasihlanu kuya esigidzigidzini nencenye temadola eMelika (**\$950 million to \$1.5 billion**). Lesilinganiso sitocaca kancono nasekwakhiwe luhlelo lwekusebenta le NDC (NDC Implementation Plan). Letindleko tibukeka tisetulu, kepha tindleko ttekugoca tandla kungentiwa lufu tingetulu. Live lidzinga emakhono etebucwephesha lasezingeni leliphakeme nebucwephesha lobusha lobuvela kulamanye emave, kufaka ekhatsi lawo latfutukile, kute likhona kumelana nesimo selitulu lesigucukako, linciphise netitfutfu letibanga lokugucuka kwesimo selitulu. Live liyabona nekutsi lwati lwesintfu kunedzima lolungayidlala ekulweni nekugucuka kwesimo selitulu, futsi kunesidzingo sekunika bonkhe bantfu lwati loludzingeleka kute letibopho letikule NDC titosebenteka.

6. Kulwa nekugucuka kwesimo selitulu nemigomo yetfutuko lekhonsako

Sivumelwano saseParis sisinika litfula lekutsi emave abonisane ngetintfo letihlanganisa tinhlelo tekulwa nekugucuka kwesimo selitulu kanye netinhlelo letibalulekile ekutfutukeni nekwandzisa imimnotfo yemave. Live lase Eswatini nalo libone kukuhle kutsi lihlanganise tinhlelo teNDC, kanye nema migomo yentfutuko lekhonsako (SDGs), i-Sandai Framework, kanye ne mgomo welive wetentfutuko (National Development Plan) wa 2019 ekulungiseni leNDC lekhicitwe muva. Loku kuvete tindlela letinsha letihlakaniphile tekutfutukisa indlela lekungatsatfwa ngayo tinyatselo tekulwa nekugucuka kwesimo selitulu. Ngetulu kwaloko, kunematfuba ekuciniseka kutsi i-NDC leseyentiwe kabusha itoba yincenye yeluhlelo lwelive lwententfutuko lweminyaka letako (National Development Plan and National Development Strategy).

Umsebenzi wekubuketa loluhlelo lwekulwa nekugucuka kwesimo selitulu bewuholwa litiko letekuvakasha netemvelo lesekelwe yi NDC Partnership isebentisana na United Nations Environment Programme, Food and Agriculture Programme, Common Market for Eastern and Southern Africa, International Renewable Energy Agency, World Resources Institute, Commonwealth Secretariat) Kanye na United Nations Development Programme Climate Promise project.



Umbuso wase Eswatini

