

Table 1: Summary of potential impacts of technology options for the proposed Melkhout BESS

Impact code	Impact Description	Li-ion		NaS		VRF	
S1	Risk from catastrophic failure (e.g. Fire)	Very Low	Insignificant	High	Low	-	-
C1	Surface and groundwater contamination	-	-	Medium	Low	High	Low
A3	Wetland degradation due to fire	Very Low	Insignificant	Very Low	Insignificant	-	-
V2	Loss of Vegetation due to Fire	Medium	Very Low	Medium	Very low	-	-

Table 2: Summary of potential impacts of the proposed Melkhout BESS applicable to all technology alternatives

Impact Code	Impact Description	Significance without mitigation	Significance with mitigation
V1	Loss of Vegetation and Habitat	Medium	Low
V2	Loss of Species of Special Concern (SCC)	Low	Very Low
V3	Spread of Alien Invasive Species	Medium	Very Low
A1	Wetland degradation due to decreased water quality	Very Low	Insignificant
A2	Increased sedimentation of wetlands and watercourses	Insignificant	Insignificant
P1	Damage to, or destruction of paleontological resources	Low	Very Low
Ar1	Damage to archaeological resources	Very Low	Very Low
W1	Waste Management	Medium	Insignificant
A4	Impact to hydrology of the aquatic system	Low	-
GHG	Impact on Greenhouse Gas Emissions	Medium	-
	Highest Positive Impact		
	Highest Negative Impact		