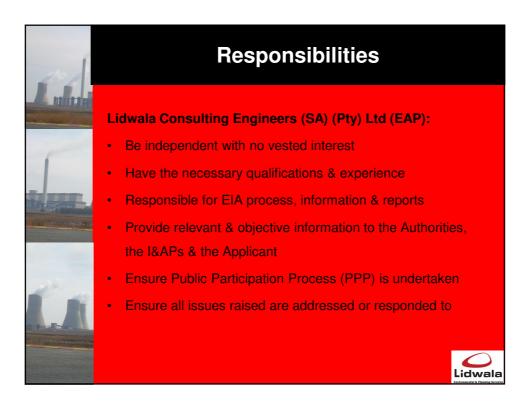
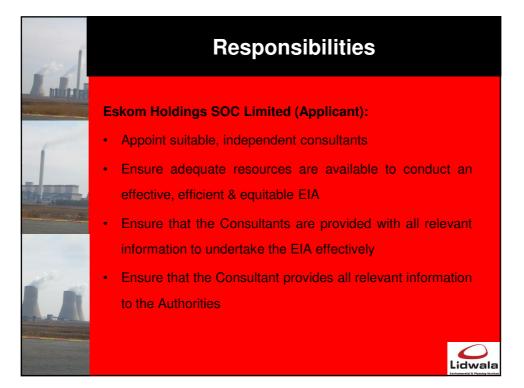
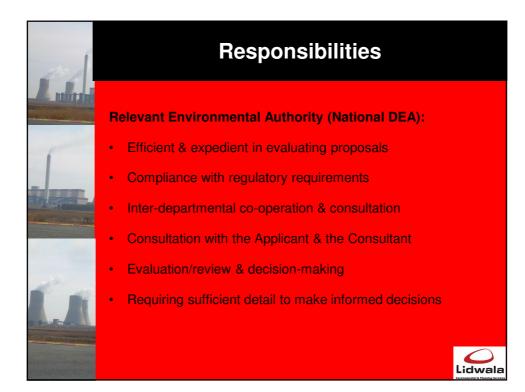




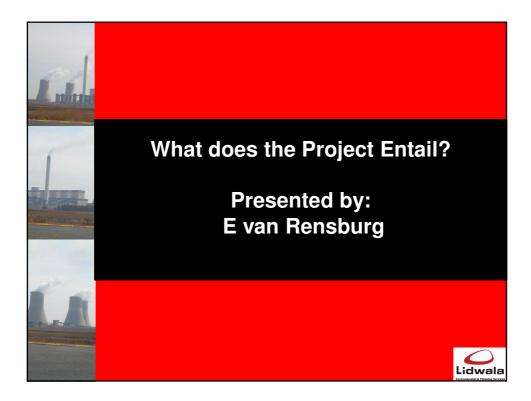
ed	Role Players	
. mintand		Lidwala Consulting Engineers (SA) (Pty) Ltd Independent Environmental Assessment Practitioner
-	Imaginative Africa www	Imaginative Africa Public Participation Consultant
to man.	Eskom	Eskom Holdings SOC Ltd – Generation Division Tutuka Power Station • Applicant
	environmental affairs Department: Environmental Affairs Republic OF South AFRICA	Department of Environmental Affairs Lead Decision-maker for the Environmental Authorization Application
-	ALARA V	 Interested and Affected Parties Raise comments and issues regarding the proposed project for inclusion in the relevant documentation
A	water affairs water affairs water of unit water water affairs water affairs	Commenting Authorities • MDEDET, • DWA • SAHRA • SAHRA
	Kine I Rouze REAULC OF BOTH ARCA	DAFF DMR, etc

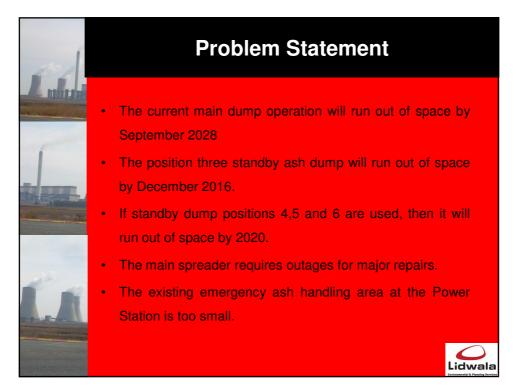


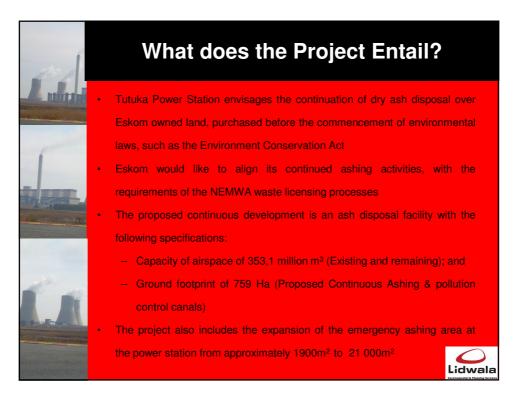


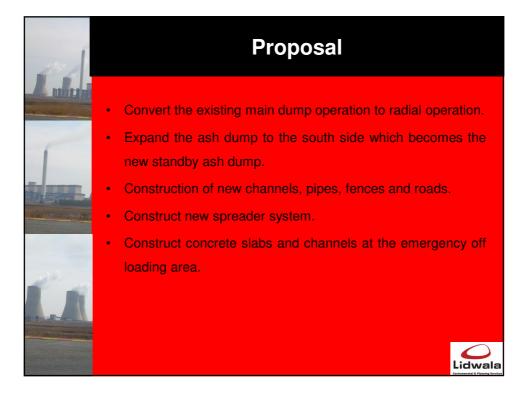


01	Responsibilities	
	Interested & Affected Parties (I&APs)	
T	 Provide input & comment during various stages of the EIA process 	
An oracia da	 Identify issues & alternatives Review of reports 	
100	Draft Scoping Report (DSR)Draft Environmental Impact Report (DEIR)	
LA	Waste License ReportProvide input & comment within specific timeframes	





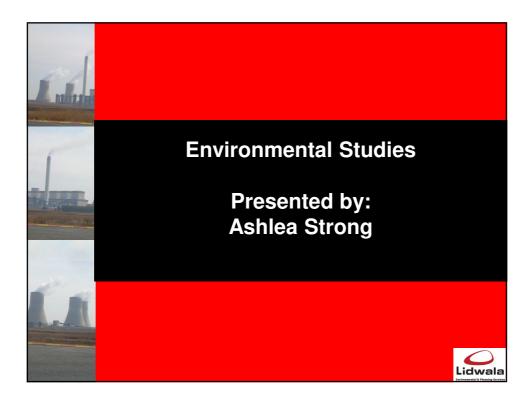










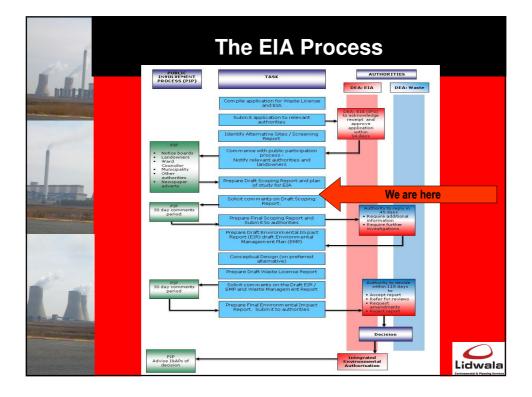




Why Environmental Studies?

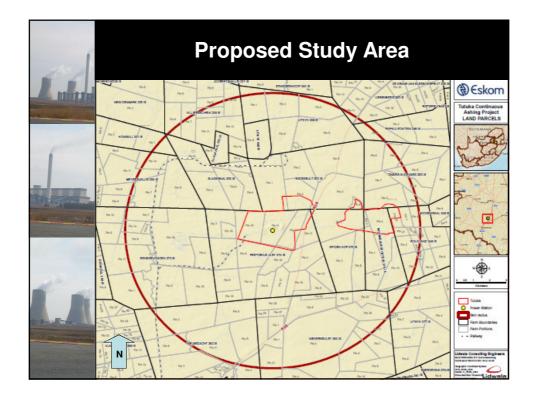
- Legislative tool used to ensure that potential impacts are identified, assessed and mitigated as required
- Integrated Application:
 - National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment Regulations, 2010;
 - GN R544 Listing Notice 1: 11 Listed Activities
 - GN R545 Listing Notice 2: 3 Listed Activities
 - GN R546 Listing Notice 3: 4 Listed Activities
 - National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) and Government Notice 718 of 2009
 - Category A 1 Listed Activity
 - Category B 2 Listed Activities

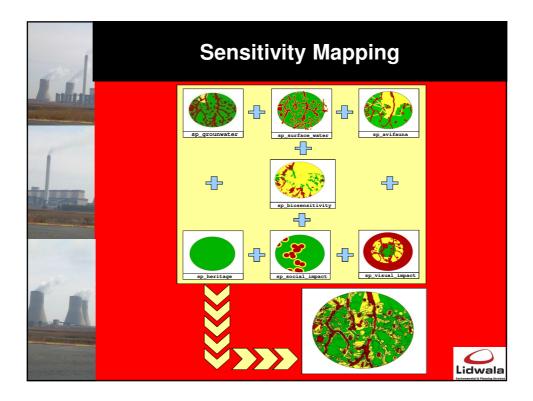


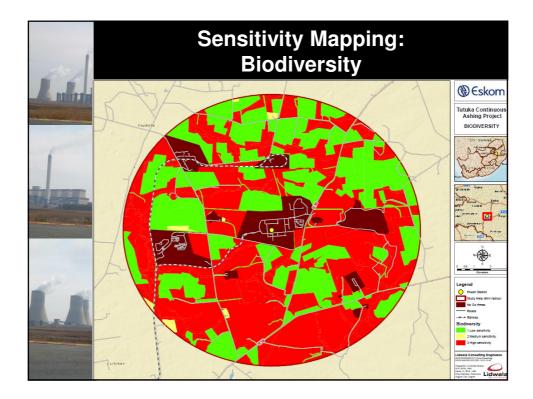


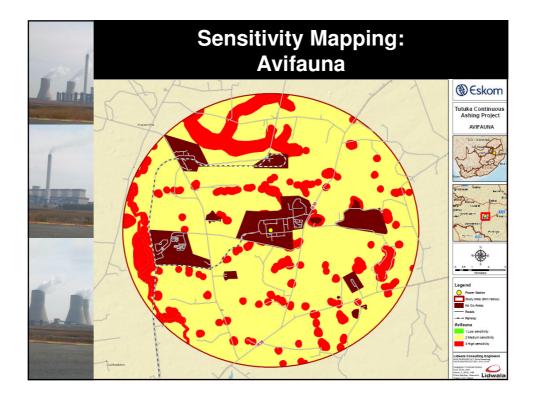
Luid	Envisaged Timeline		
	Phase / Task	Envisaged Date	
	Application form submission	August 2012	
	Screening / Scoping Phase	August 2012 – January 2013	
white months and the	EIA Phase	January – June 2013	
	Final Documents to DEA	June 2013	
	Integrated Authorisation	August 2013	
		Lidwala	

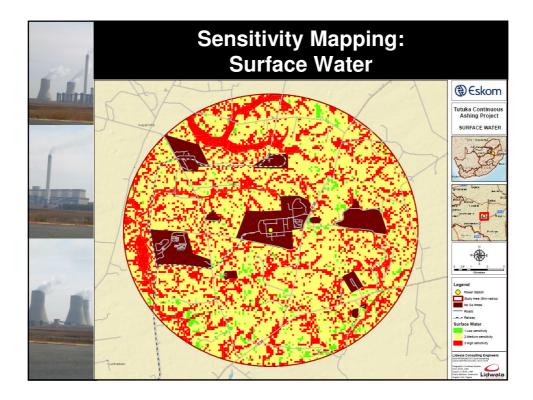
1		Sensitivity Mapping		
tid	•	Eskom have already identified an area for the proposed continuous ashing		
	•	However - in order to allow for a robust environmental		
		process all land within a radius of 8 km was assessed in order		
F.		to:		
th		 Identify potential alternatives sites 		
		- Identify sensitive environmental aspects that may limit the		
		suitability of all identified alternative sites		

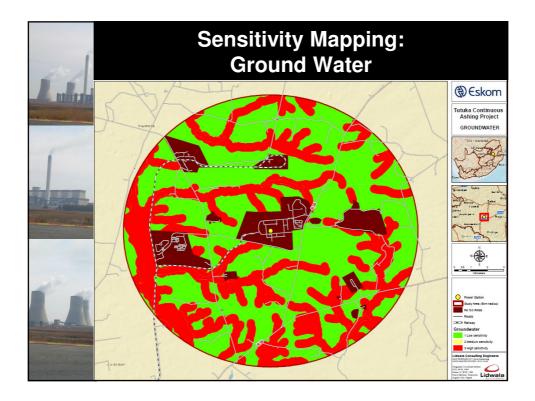


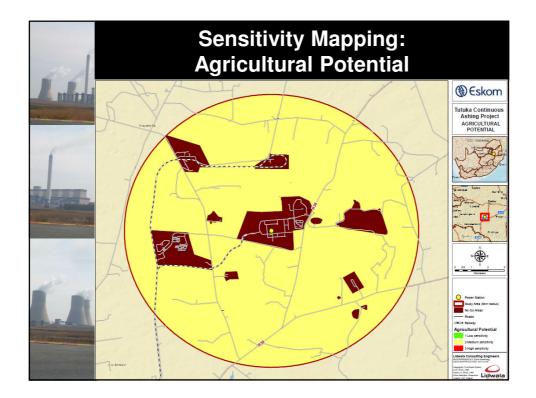


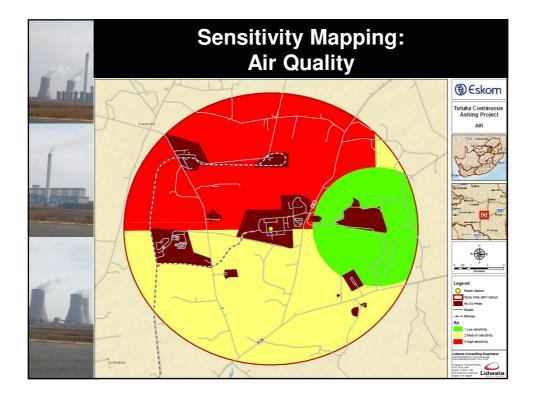


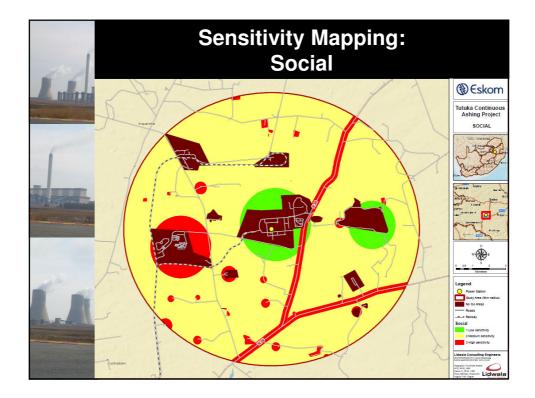


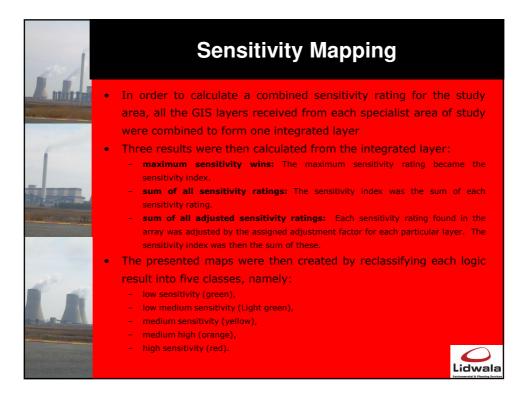


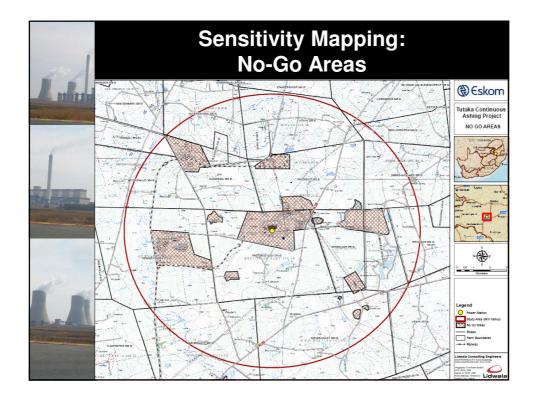


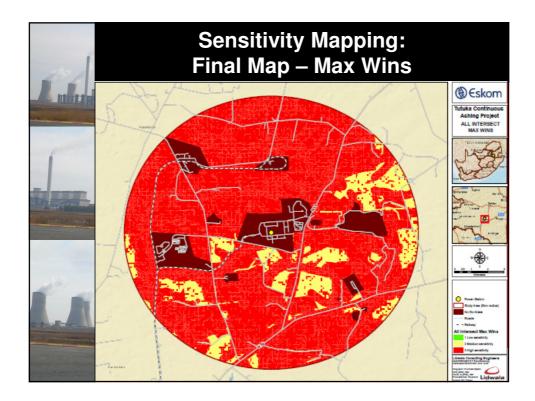


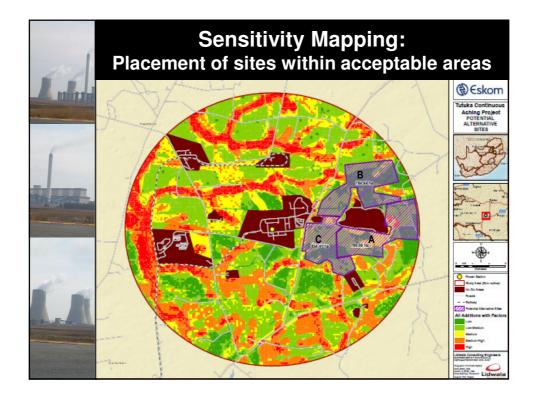


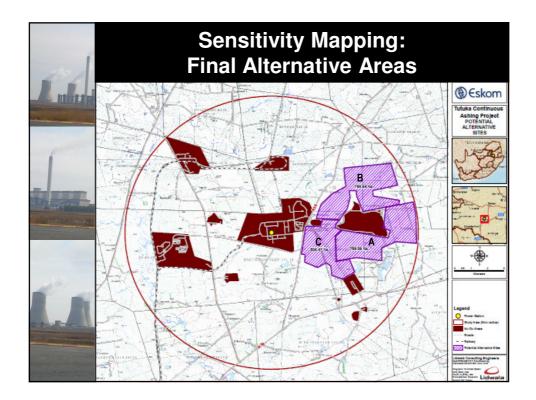












Potential Impacts: Biophysical

Geology

- Impacts related to the construction-related earthworks
- Impacts related to the pollution in case of spillage/leakage of hydrocarbon and other hazardous material from storage facilities

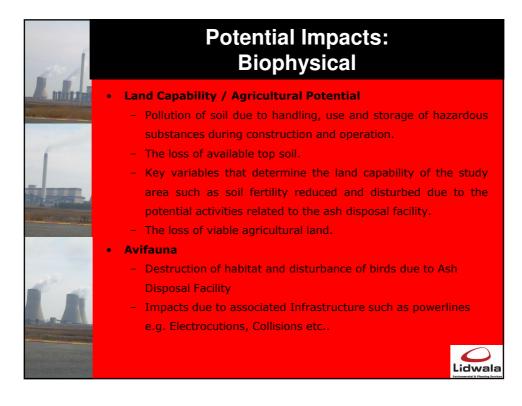
Geotechnical issues

Phase 1 geotechnical study will be undertaken in the EIA phase.

Topography

 Change to drainage patterns due to construction-related earthworks and additional stormwater drainage patterns.



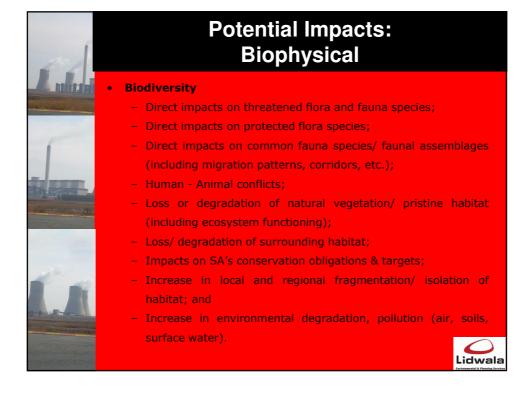


Potential Impacts: Biophysical

Groundwater

- Contamination of ground water due to hydrocarbon spillage and seepage into groundwater reserves, affecting groundwater quality.
- Further construction of infrastructure and compaction of the area will further contribute to reduced water infiltration rates to replenish groundwater aquifers.
- Surface Water
- Impacts on surface water quality;
- Impacts on hydrology;
- Impacts related to erosion and sedimentation;
- Impacts on aquatic biota; and
- Impacts on aquatic ecosystem services.





Potential Impacts: Social

Air Quality

- Increase in dust generating activities during construction and operation including exceedances of PM10 concentrations and exceedances of dustfall rates.
- Visual
 - Impact on the current visual landscape.
 - Impact on sensitive receptors,
 - Heritage
 - identify the potential heritage sites within the study area
 - identify any impacts (if any) that may occur on these sites as a result of the continuous ashing project
- Socio-Economic
 - Perceptions and fears associated with the proposed project; and

Lidwala

- Local, site-specific issues.











