

IRP INPUT PARAMETERS

Ex4: Distribution Infrastructure - IRP 2010 Input Parameter

Parameter	Distribution Infrastructure	
Parameter	Not specifically considered in IRP model	
Value	After the fact, the impact of Transmission infrastructure costs will be considered, but not Distribution. Since there are no specific projects identified in IRP (for domestic production), it is therefore difficult to assess whether these will be at Tx or Dx level and the impact of this on Distribution infrastructure.	
Rationale	[As per input sheet]	
Responses to Public Inputs	Summary of specific comments	Response
	Distribution costs to be included in IRP2 to avoid significant and negative modelling errors (90x2030, CJNI-WC, ELA). Benefits of decentralised generation over central generation are being ignored (90x2030, CJNI-WC, Coega Development Corporation, Mbani Wesizwe, SAWEA, Windlab Developments SA)	The network impacts will be tested and specifically losses will be tested as part of the criteria analysis.
	Distribution infrastructure is aging and requires maintenance – these costs are important (Coega Development Corporation)	Noted.
	The variability of 30% seems moderate – possibly should state within a certain confidence interval. (Exxaro)	Noted.
	Distribution is a major issue when considering a huge investment. (Private-AR)	Noted.
	Fundamentally an IRP does not look at network and definitely not distribution network infrastructure. Inclusion in the IRP could create a generation challenge and shift the focus from the reasons for the distribution challenge. (Private-WB)	Noted.
	The externality of Dx costs associated with generation options should be included, especially the relative value between options (SAWEA) and regions (Windlab Developments SA)	The network impacts will be tested and specifically losses will be tested as part of the criteria analysis.