Imports - IRP 2010 Input Parameter information sheet (Supply input)

This sheet is to be used as the primary stakeholder engagement tool. This document provides the information that will allow the stakeholders to make a meaningful contribution to the IRP Input parameters

Parameter	Imports
Purpose	The South African government, as represented by the Ministries of Energy and Public Enterprises and supported by Eskom, is working with governments in the SADC region to develop power stations in the region from where SA/Eskom could import power. The agreed upon method in which Eskom (as the trading partner in accordance with the inter-governmental memorandum of understanding) would participate in these projects is through importing the power through Power Purchase Agreements (PPA) and wheeling agreements.
Impact on the IRP	Power imports already play a significant role in SA security of supply and could become even more significant, considering the following projects that are at different stages of development: • Gas fired power station; 750 MW • Hydro power station; 1500 MW • Hydro power station; 850 MW • Hydro power station; 160 MW • Hydro power stations; 550 MW • Coal fired power stations, 1000 MW • Hydroelectric Scheme; 650 – 750 MW • Hydro; 120 MW • Hydro 360 MW • Gas project; 800 MW Several transmission projects in the region are underway or being planned in order to evacuate power from these and other projects. Transmission projects are also under way to better connect the region, which will open up further trading opportunities. The IRP should consider the importation of power to meet South Africa's requirements where this can be achieved economically. Most of the projects are hydro based and will therefore contribute to achieving the emissions targets.

The assumptions included in establishing the parameter values in this sheet	Any demand from outside borders are dealt with in the demand forecasts assumption
Parameter Value	All physical aspects of the import options are required, similar to data required for new facilities established in the country. The minimum data requirement for import costs is the cost of power delivered to the SA border, inclusive of the cost of network services (wheeling). For a proper comparison all the life-cycle costs (GLCC) data, as specified in the GLCC Parameter Data Sheet, is required.
Range of Parameter Value	Due to the different technology options and location of the various options a wide range in both physical and cost values can be expected. As much GLCC data as possible is needed to develop Screening Curves that can be used effectively.
Preconditions necessary to make possible for this parameter to be included in the IRP	Agreements (or at least MOU) between the South African partner in the Southern African Power Pool (Eskom) and the international partners / project developers are required to include import power with some certainty on availability in the IRP base plan. Agreement is required on the maximum amount of import power allowed, considering the overall system reliability of supply and the strategic/scenario/portfolio objectives. Policy on currency exposure on US $ denominated PPA's required
Parameter Owner	Eskom: Regional Development