## **Ingula Pumped Storage Scheme, Design and Construction**

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SYNOPSIS. Due to the anticipated high growth in peak demands, Eskom has commenced the construction of the 1332MW Ingula Pumped Storage Scheme which is scheduled for completion in 2013. This paper describes the role of pumped storage schemes, gives an overview of the Ingula project and then considers the particular environmental challenges of the scheme and their mitigation, with particular emphasis on the design of the upper dam to minimise impacts on an important wetland area.