883 – Study of subsea, Onshore and Offshore electric generation

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Abstract: This work aims to present a case study of connection oi Oil and Gas Production Units in the Santos Bsin, more specifically on route 1 to the National Electric System - the SIN. The assessment of availability of eletctricity generation in the region of the North Coast of São Paulo, based on the concept of sustainability of the Intefrated Planning of Energy Resources - PIR, which uses the Comprehensive Cost Assessment - ACC, has four maijor dimensions as important: (10 tecnical-economic, (2) evironmental, (3) social and (4) political. The choice of this region as Case Study occurs for two reasons: The first is the proximity to the largest cargo operation center in the country, the Southeast region of the State of São Paulo; the second is the various possibilities of energy souces grouped in a relatively smal geographic space of 2,000 km2.

The article aims, firstly, to present the definition of the theoritical framework for the model of study of the availability of eletric energy generation in the region of the North Cost of São Paulo, secondly, to present technologies that already exist in other parts of the world that can help us possible alternative for the transmission of large.