

Guarantee the supply of electricity in Ecuador through the optimal expansion of the electric power generation stage in the short, medium, and long term, with criteria of efficiency, sustainability, quality, continuity, and security; promoting the use of renewable energy resources, in an area of sufficiency, energy sovereignty, social and ...

PROMOD is a fundamental electric market simulation solution that incorporates extensive details in generating unit operating characteristics, transmission grid topology, and constraints, and market system operations to support economic transmission planning.

How PROMOD Works - Input and Output of PROMOD Generation Data: heat rate, different costs, etc. Demand & Energy Fuel Forecasts: Gas, Coal, Oil Environmental Costs: Sox, Nox, Mercury Power Flow Case Monitored Flowgates Other Information: reserve requirement, market territory, etc. PROMOD Hourly LMP of buses and hubs, include

64.21% of the total effective electrical power generated in Ecuador in 2020 corresponds to renewable energy systems. This becomes an important strategic component within the Ecuadorian electricity production system.

PROMOD, GE-Maps, PLEXOS, GridView oWhat do these models do particularly well? Simulate detailed (hourly to sub-hourly) operation of a given system; Assess resource adequacy and other aspects of reliability of a system; Analyze the impact of changes in the system (e.g., retirement/addition of capacity) on system

Assess infrastructure investments, from wind and PV site planning and selection - to new power stations or transmission capacity and modeling. Leverage critical information and systems to support your energy operations, from revenue stream & market trend analysis to forecasting & fleet optimization.

PROMOD is a power generation and transmission modeling system that provides a range of planning capabilities including zonal and nodal locational marginal price (LMP) forecasting, renewable siting and curtailment analysis, financial transmission right (FTR) valuation, environmental analysis, asset valuation, and transmission congestion analysis.

Ecuador urgently needs to accelerate new investments in power generation capacity and diversify its electricity sources given a heavy reliance on hydropower. Electricity demand grows by 200 MW every year, meaning Ecuador should add 250 MW or 300 MW of new power generation each year.

Web: <https://www.gennergyps.co.za>