



Analyzing the Potential for Natural Gas Imports to Uruguay

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Opportunity: Uruguay's energy supply system is rapidly changing because of ongoing energy market reforms, continued regional integration in the MERCOSUR free trade zone, and on-going upgrades and modifications to existing energy supply facilities. The Government of Uruguay (GOU) needed to analyze the effects of importing natural gas on its energy supply system as part of a broader fuel diversification strategy.

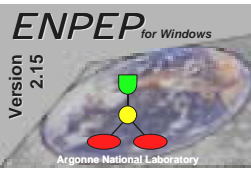


electricity ties with Argentina and Brazil and developing a new natural gas infrastructure. CEEESA collaborated with several Uruguayan institutions, including the presidential planning office and oil, gas, and electric companies.

Scope of Work: CEEESA developed energy demand projections based on a local analysis of past patterns, determined the market penetration of natural gas by sector, evaluated the effects of

Approach: GOU contracted Argonne National Laboratory's Center for Energy, Environmental, and Economic Systems Analysis (CEEESA) to conduct a detailed energy supply and demand analysis using the Energy and Power Evaluation Program (ENPEP). Specifically, CEEESA was asked to analyze the potential for expanding

increased electricity exchanges, and estimated the potential level of natural gas imports under different scenarios. CEEESA also installed ENPEP on local computers, provided training, and transferred all model runs to local PCs. Uruguay's Energy Office and Ministry of Environment continue to use the model for energy and climate change studies, demonstrating the success of the project.



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Routing of New Natural Gas Pipeline



