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Different Behaviors in Natural Gas Production Between National and Private Oil Companies: Economics-Driven or Environment-Driven?

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gas ratio for IOCs is economics-driven, and the incline in gas ratio for NOCs is environment-driven. Therefore, the environmental objective is the NOCs' third non-commercial objective, alongside subsidizing below-market energy prices and offering excessive employment, as found in the literature. Governments may consider the transfer of subsidies from low energy prices to clean energy promotion, which leads to energy saving and emissions reduction.

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Al-Obaidan A.M., and Scully G.W. Efficiency Differences between Private and State-Owned Enterprises in the International Petroleum Industry. Applied Economics. 1992, 24 (2):237–246.

Google Scholar

Amsler C., Prokhorov A., and Schmidt P. Endogeneity in Stochastic Frontier Models. Journal of Econometrics. 2016, 190 (2):280–288.

Google Scholar

Battese G.E., and Coelli T.J. Frontier Production Functions, Technical Efficiency and Panel Data: With Application to Paddy Farmers in India: Springer Netherlands, 1992.

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Management in the Uranium Industry in Kazakhstan. Energy Policy. 2013, 56:201–209.

Google Scholar

Cornwell C., Schmidt P., and Sickles R.C. Production Frontiers with Cross-Sectional and Time-Series Variation in Efficiency Levels. Journal of Econometrics. 1990, 46 (1):185–200.

Google Scholar

Eller S.L., Hartley P.R., and Medlock K.B. Empirical Evidence on the Operational Efficiency of National Oil Companies. Empirical Economics. 2011, 40 (3):623-643.

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Hartley P., and Medlock K.B. A Model of the Operation and Development of a National Oil Company. Energy Economics. 2008, 30 (5):2459–2485.

Google Scholar

Hartley P.R., and Medlock III K.B. Changes in the Operational Efficiency of National Oil Companies. The Energy Journal. 2013, 34 (2):27–57.

Google Scholar

Hawdon D. Efficiency, Performance and Regulation of the International Gas Industry—a Bootstrap Dea Approach. Energy Policy. 2003, 31 (11):1167–1178.

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Levinsohn J., and Petrin A. Estimating Production Functions Using Inputs to Control for Unobservables. The Review of Economic Studies. 2003, 70 (2):317–341.

Google Scholar

Managi S., Opaluch J.J., Jin D., and Grigalunas T.A. Stochastic Frontier Analysis of Total Factor Productivity in the Offshore Oil and Gas Industry. Ecological Economics. 2006, 60 (1):204–215.

Google Scholar

Managi S., Opaluch J.J., Jin D., and Grigalunas T.A. Technological Change and Depletion in Offshore Oil and Gas. Journal of Environmental Economics and

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Schmidt P., and Sickles R.C. Production Frontiers and Panel Data. Journal of Business and Economic Statistics. 1984, 2 (4):367–374.

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Seeto D.Q., Woo C.-K., and Horowitz I. Finessing the Unintended Outcomes of Price-Cap Adjustments: An Electric Utility Multi-Product Perspective. Energy Policy. 2001, 29 (13):1111–1118.

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Shang C. 2015. "Essays on the Use of Duality, Robust Empirical Methods, Panel Treatments, and Model Averaging with Applications to Housing Price Index Construction and World Productivity Growth." Rice University.

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Author information

Authors and Affiliations

Zhejiang University, Hangzhou, Zhejiang, China

Binlei Gong

Corresponding author

Correspondence to Binlei Gong.

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