

Author(s): Pousinho, HMI (Pousinho, H. M. I.); Mendes, VMF (Mendes, V. M. F.); Catalao, JPS (Catalao, J. P. S.)

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Abstract: In this paper, the development of bidding strategies is investigated for a wind farm owner. The optimization model is characterized by making the analysis of scenarios. The proposed approach allows evaluating alternative production strategies in order to submit bids to the electricity market with the goal of maximizing profits. The problem is formulated as a linear programming problem. An application to a case study is presented Copyright (C) 2010 Praise Worthy Prize S.r.l. - All rights reserved

Addresses: [Pousinho, H. M. I.; Catalao, J. P. S.] Univ Beira Interior, UBI, Beira, Portugal; [Mendes, V. M. F.] Inst Super Engrn Lisboa, Lisbon, Portugal

Reprint Address: Catalao, JPS, Univ Beira Interior, UBI, Beira, Portugal.

E-mail Address: catalao@ubi.pt

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