



Aalborg Universitet

AALBORG UNIVERSITY
DENMARK

Practical operation strategies for pumped hydroelectric energy storage (PHES) utilising electricity price arbitrage

Connolly, David; Lund, Henrik; Finn, P.; Mathiesen, Brian Vad; Leahy, M.

Published in:
Energy Policy

DOI (link to publication from Publisher):
[10.1016/j.enpol.2011.04.032](https://doi.org/10.1016/j.enpol.2011.04.032)

Publication date:
2011

Document Version
Accepted author manuscript, peer reviewed version

[Link to publication from Aalborg University](#)

Citation for published version (APA):
Connolly, D., Lund, H., Finn, P., Mathiesen, B. V., & Leahy, M. (2011). Practical operation strategies for pumped hydroelectric energy storage (PHES) utilising electricity price arbitrage. *Energy Policy*, 39(7), 4189-4196. <https://doi.org/10.1016/j.enpol.2011.04.032>

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- ? Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- ? You may not further distribute the material or use it for any profit-making activity or commercial gain
- ? You may freely distribute the URL identifying the publication in the public portal ?

Take down policy

If you believe that this document breaches copyright please contact us at vbn@aub.aau.dk providing details, and we will remove access to the work immediately and investigate your claim.

Practical operation strategies for pumped hydroelectric energy storage (PHES) utilising electricity price arbitrage

D. Connolly^{b*} H. Lund^b P. Finn^a B.V. Mathiesen^b M. Leahy^a

^aDepartment of Physics, University of Limerick, Limerick, Ireland

^bDepartment of Development and Planning, Aalborg University, Fibigerstraede 13, DK-9220 Aalborg, Denmark

Correction

In this paper, the y-axis label in Figure 2 and Figure 3 is should be M€/year and not M€/MWh. Please find the correct figures below.

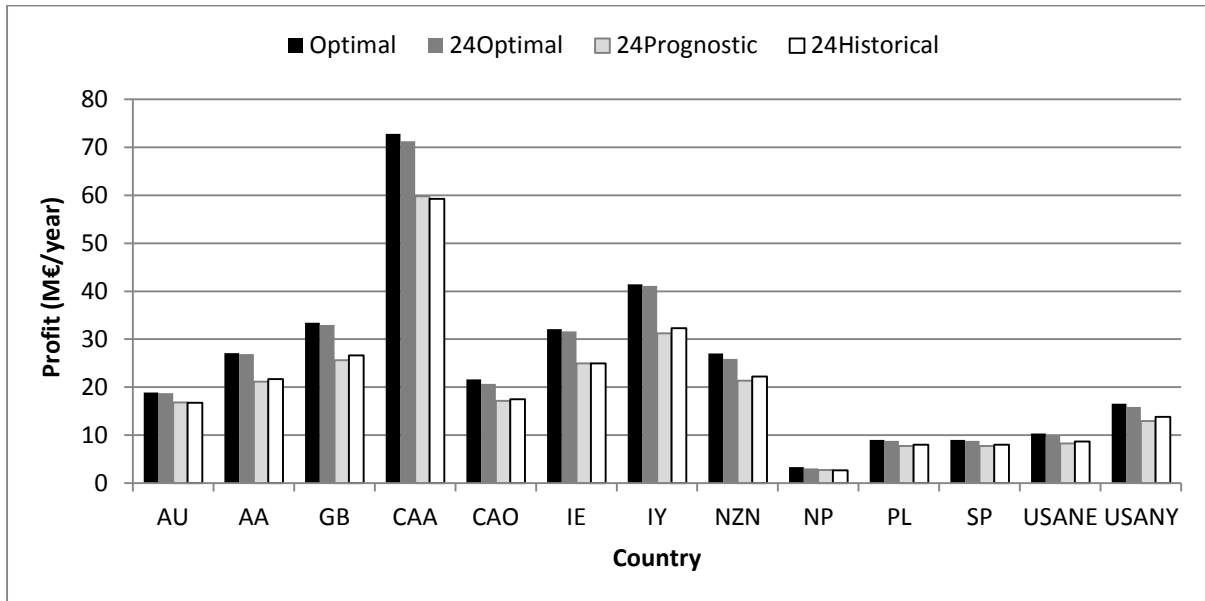


Fig. 2: Profit for 2008 on each of the electricity markets (see Table 2) considered for all four optimisation strategies with a 2 GWh storage capacity.

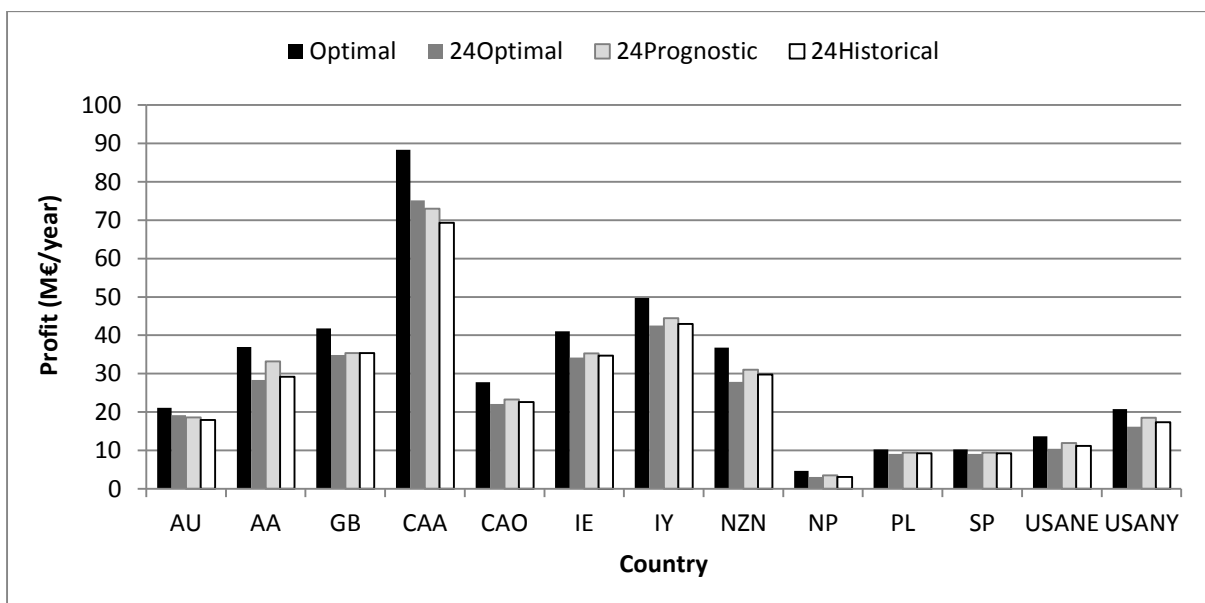


Fig. 3: Profit for 2008 on each electricity market (see Table 2) considered for all four optimisation strategies with an 8 GWh storage capacity.

* Corresponding author. Tel.: +45 9940 2483

E-mail addresses: david@plan.aau.dk