

## APPENDIX 1 : PUBLICATIONS

### 1. CONFERENCE PRESENTATIONS :

Watson S.J., Watson G.M., Palutikof J.P., Holt T., Bartelmie R.J., Coelingh J.P., van Zuylen E.J., Cleijne J.W., 1999 : *A methodology for the prediction of Offshore Wind Energy Resources*. Proc 1999 European Wind Energy Conference, 1-5 March 1999, Nice pp 1105-1108.

Barthelmie, R.J., 1999: *Developing a coastal discontinuity model for the POWER project*, Proceedings of the 21<sup>st</sup> British Wind Energy Association Conference – Wind Energy 1999 ed P. Hinson, Professional Engineering Publishing, Bury St Edmunds, UK. pp 403-404.

Barthelmie, R.J., 1999: *Monitoring offshore wind and turbulence characteristics in Denmark*, Proceedings of the 21<sup>st</sup> British Wind Energy Association Conference, Cambridge - Wind Energy 1999 ed P. Hinson, Professional Engineering Publishing, Bury St Edmunds, UK. pp 311-322.

Coelingh, J.P., Folkerts L., van Zuylen E.J., Wiegerinck G., 1999: *Using SODAR measurements in the POWER project*. Proceedings of the 21<sup>st</sup> British Wind Energy Association Conference, Cambridge - Wind Energy 1999 ed P. Hinson, Professional Engineering Publishing, Bury St Edmunds, UK. pp 283-288.

Watson G.M., Halliday J.A., Palutikof J.P., Holt T., Barthelmie R.J., Coelingh, J.P., Folkerts L., van Zuylen E.J., Cleijne J.W., 1999: *POWER – a methodology for predicting off-shore wind resources*. Proceedings of the 21<sup>st</sup> British Wind Energy Association Conference, Cambridge - Wind Energy 1999 ed P. Hinson, Professional Engineering Publishing, Bury St Edmunds, UK. Pp 357-362.

Pryor S.C. and Barthelmie R.J., 2000: *Flow characteristics in the coastal zone*. Proceedings of OWEMES 2000, Sicily, April 2000, ATENA, Rome. pp29-43.

Barthelmie R.J., 2000: *Measurements and modelling of coastal meteorology*. Proceedings of OWEMES 2000, Sicily, April 2000, ATENA, Rome. pp 45-59.

Coelingh J.P., Folerts L., Wiegerinck G.F.M., van Zuylen E.J., 2000: *Study of the offshore wind climate using a SODAR*. Proceedings of OWEMES 2000, Sicily, April 2000, ATENA, Rome. pp 61 – 70.

Palutikof J.P., Holt T., 2000: *Synoptic-scale wind data suitable for the preliminary assessment of offshore wind resources*. Proceedings of OWEMES 2000, Sicily, April 2000, ATENA, Rome. Pp 93-107.

Watson G.M., Halliday J.A., Palutikof J.P., Holt T., Barthelmie R.J., Coelingh, J.P., Folkerts L., van Zuylen E.J., Cleijne J.W., 2000: *POWER – a methodology for predicting off-shore wind resources*. Proceedings of OWEMES 2000, Sicily, April 2000, ATENA, Rome. Pp 109-120.

Halliday J.A., Watson G.M., Palutikof J.P., Holt T., Barthelmie R.J., Coelingh J.P., Folkerts L, van Zuylen E.J., Clejne J.W. (2001). *POWER – A methodology for Predicting Offshore Wind Energy Resources*. Proceedings of the 2001 European Wind Energy Conference and Exhibition, Copenhagen, July 2001.

Pryor S.C., and Barthelmie R.J., 2001: *Persistence of offshore wind speeds: implications for power quality offshore*. Proceedings of the 2001 European Wind Energy Conference and Exhibition, Copenhagen, July 2001.

Lavagnini A., Sempreviva A.M., Calvalieri L, Barthelmie R.J., 2001: *Evaluation of methods of estimating wind energy potential in Mediterranean areas*. Proceedings of the 2001 European Wind Energy Conference and Exhibition, Copenhagen, July 2001.

## **2. PAPERS :**

Barthelmie R.J. 2001: Practical guidelines for evaluating the significance of wind induced roughness change and tidal range on predicted offshore vertical wind speed profiles. Submitted to Wind Energy.

Pryor S.C. and Barthelmie R.J. 2001: statistical analysis of low characteristics in the coastal zone. Submitted to the Journal of Wind Engineering and Industrial Aerodynamics

## **3. BOOK CHAPTER :**

Barthelmie R. J., 1999b, *Modelling and measurements of coastal wind speeds*. In: S.K. Majumdar, E.W. Miller and A.I. Panah (Editors), *Renewable Energy: Trends and Prospects*. Pennsylvania Academy of Science, Easton, PA.

## **4. OTHER :**

J Halliday (CLRC-RAL) represented the POWER project at "Advances in Wind Energy RTD – From FP4 towards FP5" contractors meeting hosted by the European Commission in Athens from 3-5 May 2000.

## **5. INTERNAL PROJECT REPORTS :**

Barthelmie, R.J., 1999a: *Development of the Coastal Discontinuity Model*, Risø National Laboratory, Roskilde. Report to the European Commission Contract JOR3-CT98-0286.

Barthelmie R. J., 1999a, *The wind resource at Middelgrunden*, Risoe-I-1334, Risø National Laboratory, Roskilde.

Barthelmie, R.J., 2001: *Integrating the CDM and WaSP for the POWER Project*, Risø National Laboratory, Roskilde. Report to the European Commission Contract JOR3-CT98-0286.

## **6. REPORTS SUBMITTED TO THE EUROPEAN COMMISSION :**

Watson S. J., Watson, G. M., Palutikof, J. P., Holt, T., Barthelmie, R.J., Coelingh, J., van Zuylen, E., Cleijne, J. and Vesterdal J., 1999: Predicting offshore wind energy resources., Contract JOR3-CT98-0286, First periodic report (6-month) to the European Commission.

Halliday, J.A., Watson, G.M., Coelingh, J., van Zuylen, E., Folkerts, L., Wiegerink, G., Cleijne, J., Hommel, G., Barthelmie, R.J., Palutikof, J. and Holt, T., 1999: Predicting offshore wind energy resources., Contract JOR3-CT98-0286, Second periodic report (12-month) to the European Commission.

Halliday, J.A., Watson, G.M., Coelingh, J., van Zuylen, E., Folkerts, L., Wiegerink, G., Cleijne, J., Hommel, G., Barthelmie, R.J., Palutikof, J. and Holt, T., 2000(a): Predicting offshore wind energy resources., Contract JOR3-CT98-0286, Third periodic report (18-month) to the European Commission.

Halliday, J.A., Watson, G.M., Coelingh, J., van Zuylen, E., Folkerts, L., Wiegerink, G., Cleijne, J., Hommel, G., Barthelmie, R.J., Palutikof, J. and Holt, T., 2000(b): Predicting offshore wind energy resources., Contract JOR3-CT98-0286, Mid-Term Assessment (MTA) Report to the European Commission

Halliday, J.A., Watson, G.M., Coelingh, J., van Zuylen, E., Folkerts, L., Wiegerink, G., Cleijne, J., Hommel, G., Barthelmie, R.J., Palutikof, J. and Holt, T., 2000(c): Predicting offshore wind energy resources., Contract JOR3-CT98-0286, Fourth periodic report (24-month) to the European Commission.

Halliday, J.A., Watson, G.M., Coelingh, J., van Zuylen, E., Folkerts, L., Wiegerink, G., Cleijne, J., Hommel, G., Barthelmie, R.J., Palutikof, J. and Holt, T., 2001: Predicting offshore wind energy resources., Contract JOR3-CT98-0286, Fifth periodic report (30-month) to the European Commission.

In addition, there is a POWER project web page which hangs off the main CLRC-RAL Energy Research Unit web site at:

[http://www.eru.rl.ac.uk/power\\_project/power\\_project.htm](http://www.eru.rl.ac.uk/power_project/power_project.htm).

and a POWER Project web page which hangs off the main Climate Research Unit site at <http://www.cru.uea.ac.uk/cru/projects/power/>.