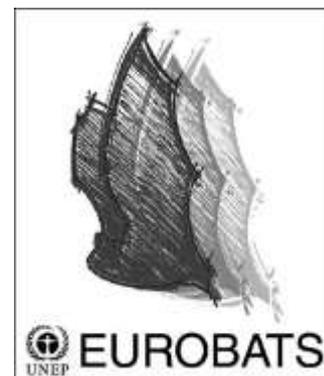


14<sup>th</sup> Meeting of the Standing Committee  
23<sup>rd</sup> Meeting of the Advisory Committee

Tallinn, Estonia, 14 – 17 May 2018

Draft Resolution 8.4

Wind Turbines and Bat Populations



*The Meeting of the Parties to the Agreement on the Conservation of Populations of European Bats (hereafter “the Agreement”),*

*Noting* the importance that wind energy has in the implementation of the Kyoto protocol to reduce CO2 emissions in the context of combatting climate change;

*Recalling* Resolution 2.2 on Consistent Monitoring Methodologies, which recommends the adoption of consistent monitoring methods for bats across Europe;

*Recalling* the Conservation and Management Plan of the Agreement, which recognises the importance of international information exchange and cooperation in developing monitoring strategies for bats;

*Recalling* further the Agreement Conservation and Management Plans, which recognise the conservation of bat habitats in all cases of land management and development especially when foraging areas or commuting routes are affected;

*Recalling* CMS Resolution 7.5 on Wind Turbines and Migratory Species, which calls upon the Parties of the Convention, to implement proper impact assessments of wind turbines on migratory species, to assess the cumulative environmental impacts of installed wind turbines on these species and to take full account of the precautionary principle in the development of wind turbine plants;

*Recalling* the Directive No. 2011/92/EU of the European Parliament of the Council of 13 December 2011 on the assessment on the effects of certain public and private projects on the environment and the Directive of the European Parliament and of the Council No. 2001/42/EC of June 27 2001 on the assessment of the effects of certain plans and programmes on the environment, both of which state that the scope of information required for the purposes of impact assessments should be consistent with the current state of knowledge and methods of such assessments;

*Recalling* the EU guidance document on Wind Energy development and Natura 2000 (2010);

*Noting* the growing scientific evidence of bat fatalities at wind turbines and the predicted negative consequences for populations of resident and migratory bat species;

*Recognising* that several bat species forage and migrate offshore and that as a result offshore wind farms may negatively impact bat populations;

*Taking into account* the cumulative environmental impact of the renewable energy sector through the increasing number and size of wind turbines;

*Noting* the work of the Advisory Committee in continuing to update the information included in the Guidelines for the planning process, monitoring and evaluation of the impacts of wind turbines on bats;

*Recognising* the importance of avoiding the risk of differences between the methods used for wind turbines impact assessment and need for harmonized and standardized recording and analysis methods;

*Recognising* the importance of standardised methods to be able to develop effective avoidance and mitigation measures, as well as statistically robust ways to evaluate mortality rates and their impact on bat populations;

*Recalling* Resolution 8.10 on required experience and skills of experts with regard to quality of assessments;

*Noting* that the use of blade feathering<sup>1</sup>, higher turbine cut-in wind speed<sup>2</sup> and shutting down turbines are the only mitigation measures which so far proved to be effective in reducing bat mortality at wind turbines;

*Recognising* also the necessity of implementing research and monitoring;

*Recalling* the United Nations Economic Commission for Europe (UNECE) Convention on Access to Information, Public Participation in Decision-Making and Access to Justice in Environmental Matters (Aarhus Convention);

*Urges Parties and non-party Range States, if not already done so, to:*

1. Take into account the impacts that onshore and offshore wind turbines have on bat populations at different geographical scales.
2. Raise awareness and take into account that some habitats and areas are unsuitable for the operation of wind turbines where a negative impact on bats is predicted and protected habitats are generally excluded from wind turbine planning.

3. Encourage developers of wind energy plants to engage in research on the best methods for **impact assessment and** mitigating bat mortality at turbines for mutual benefit.
4. Promote continued dialogue and cooperation between all stakeholders in the search for best practice to avoid or minimise the adverse impact of wind energy generation on bat populations.
- 5a. Ensure that pre-construction strategic and environmental impact assessment procedures and post-construction monitoring, including mortality rates, are undertaken, regardless of the results of the preconstruction assessment.
- 5b. **Ensure that in addition to strategic and environmental impact assessment procedures, species-specific ecological pre-construction assessments and post-construction monitoring, including mortality rates, are undertaken, regardless of the results of the pre-construction assessment.**
- 6a. **Ensure that post-construction monitoring and the adjustment of the wind turbine operation lasts as long as needed and is sufficient to ensure effectiveness.**
- 6b. **Ensure that post-construction monitoring and mitigation measures lasts as long as needed and is sufficient to ensure effectiveness.**
7. Ensure that **environmental** impact assessment procedures and post-construction monitoring are undertaken by appropriately experienced bat experts.
8. Ensure that raw data from environmental impact assessment and post-construction monitoring are made available for independent analysis.
9. Ensure that reports from environmental impact assessment and post-construction monitoring are made publicly available **before and after the wind turbine construction.**
14. **Ensure that reports from environmental impact assessment and post-construction monitoring are adequately evaluated before consent by appropriately experienced bat experts**
10. Develop and ensure implementation of national guidance following EUROBATS Publication Series n° 6.
11. Strongly recommends the use of blade feathering, higher turbine cut-in wind speeds and shutting down turbines temporarily to reduce or avoid bat mortality respectively.
12. Ensure that proper mitigation measures are prescribed during the approval procedure and are being implemented and effective.

13. Ensure that information about prescribed mitigation measures are made publicly available.

*Requests the Advisory Committee to:*

1. Keep the generic guidelines updated;
2. Continue to compile relevant information, including methods to assess the impact of wind power generation on bat populations.

*Decides to repeal Resolution 7.5.*

1 – Adjusting the angle of the rotor blade parallel to the wind, or turning the whole unit out of the wind, to slow or stop blade rotation.

2 – Minimum wind speed at which the wind turbine will generate usable power.