



FACILITATEUR EOLIEN



Une mission de l'APERe
Pour la Région wallonne

Wind energy in Wallonia

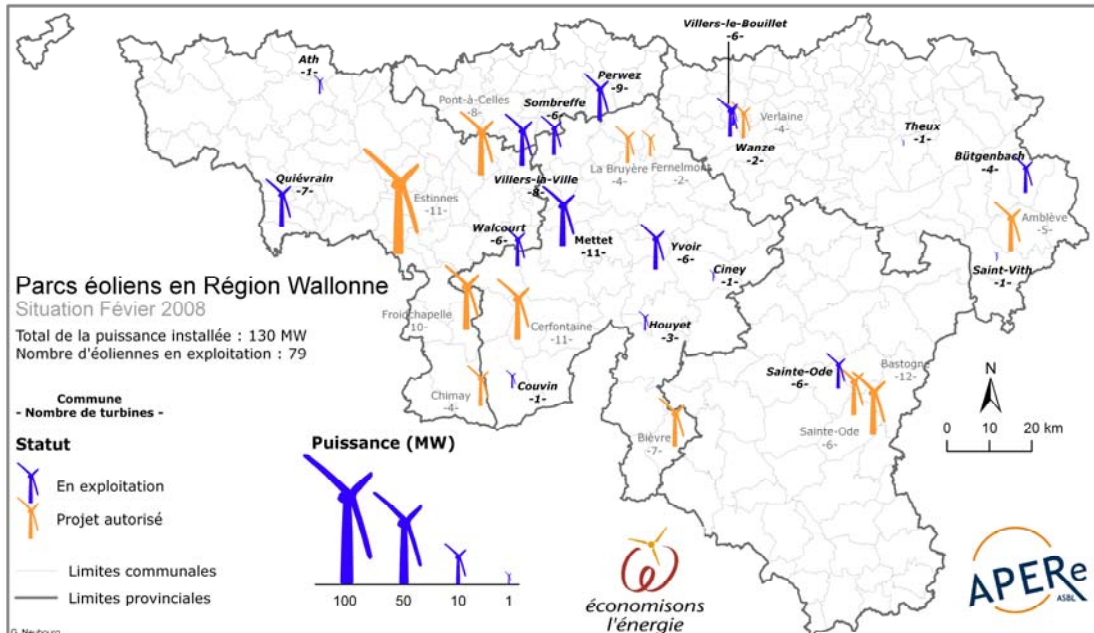
1. Current situation and perspectives

The 2010 initial objective of the [walloon energy program](#) is to produce 370 GWh/year (around 150 wind turbines) of electricity through on-shore wind projects.

In 2005, the wind energy production amounted to 71 GWh for an installed capacity of 50 MW. In 2007, the installed capacity peaked at 129.9 MW and produced around 280 GWh.

In the pipeline, 13 wind parcs of a total capacity of 235 MW have received their license. They will produce around 517 GWh.

It is therefore very likely that the first objective will be reached prior to the due date (2010)



2. Wind energy framework

Several measures were taken in order to boost the development of this sector:

- A juristic and administrative framework for the wind mill installation, decided by the Walloon government on July 18th 2002. This framework is summarized in an official paper '[le cadre de référence pour l'implantation d'éoliennes en Région wallonne](#)'
- A [green certificate regime](#) for the promotion of green electricity. Currently, a green certificate (GC) is given for each MWh produced, for a period of 10 + 5 years. The market price of GC ranges from 65€ (minimum guaranteed) to maximum 140€ [More information on the GC system on the following link](#)
- [Financial aids](#). One for the implementation of wind studies, and another for direct investment. [For more information, please click on the following link](#)
- [A wind energy Facilitator](#) for administrative and informative support. The WE Facilitators accompanies project developers and all WE stakeholders in order to ensure harmonious development of the sector.

3. Market potential for on shore and offshore WE in Belgium

On the basis of existing studies¹ and market knowledge, Edora agrees with the following WE potential for Belgium:

Target	On-shore	Off-shore
2010	850 MW	200 MW
2015	1500 MW	650 MW
2020	2000 MW	1500 MW
2030	3000 MW	3800 MW

4. Key issues to harvest the WE potential

In order to reach the above mentioned objectives, the following key issues need to be addressed

- Grid connection installations need to be adapted in order to better suit wind energy development needs
- The license process needs to be more transparent. Defense & aviation rules as well as space planning rules also need to be alleviated.

¹ De Ruyck estimates, Apere-EDORA-Valbiom Memorandum (2006) , *Renewable Energy Evolution* [2004), *Optimal Offshore Wind Energy Developments in Belgium* [2004)

- Cultural barriers and structural misinformation need to be tackled by setting new communication campaigns on myths and by fostering citizenship participations in WE projects
- A framework for small and medium sized projects (– from 50 kW to 3 MW) needs to be set
- Binding objectives for Wind Energy should be set
- Green Certificates Quotas should be set on a period of 30 years
- Balancing costs need to be lowered

5. To know more

Publications

- [Cadre de référence pour l'implantation d'éoliennes en Région wallonne](#)
- [Vade-mecum non technologique à l'usage du candidat à l'implantation d'un parc éolien](#)
- [Brochure - Les éoliennes expliquées aux citoyens](#)

Other documents

- [Liste des professionnels de l'éolien de puissance \(PDF-187 ko\)](#)
- [Energie éolienne de puissance : pour aller plus loin \(PDF-1086 ko\)](#)
- [Parcs éolien en Région wallonne - Situation en novembre 2007 \(PDF-980 ko\)](#)
- [Etude sur l'acceptation sociale des éoliennes \(PDF-373 ko\)](#)
- [Vademecum éolien pour les communes \(PDF-499 ko\)](#)

Contacts



APERe asbl
M. Jade Charouk

Wind Energy Facilitator on behalf of the Walloon Region
eole@apere.org T: + 32 2 218 78 99

http://www.apere.org/fr/nos_activites/fac_eol.php?code_rubrique=3040