

Onshore wind and land planning in France

November 17th 2020

Current situation and objectives

- Onshore wind totalize 17 GW in France (june 2020).
- Multi annual Energy Program objectives :
 - 24,1 GW by 2023
 - Between 33,2 and 34,7 GW by 2028

- We need to double installed capacity in less than 10 years
- From 8000 masts to 15 000 masts.

- Call for tender : 2 times a year (2* 925 MW) between 2021 and 2026

Sanitary crisis

- Several measures have been taken :
 - Delay for achieving installation;
 - Shift in planned call for tender will lead to less installed capacity supported

- Crisis shows the resilience of renewable electricity installations and their interest in ensuring our security of supply, in addition to their positive impact on the climate

- The sector faced significant difficulties due to the crisis : stoppage of work sites, supply difficulties, increase in the cost of financing

- Nevertheless, onshore wind reach an average coverage rate of 8,87%, up from 7,21 in 2019 – with a maximum at 32,49%

Recent development

- June 22, 2020 Order : new measures to decrease potential impact.
 - Total excavation of the foundations
 - Increase of financial dismantling guarantees
 - Targets for the reuse and recycling

- Call for tender new specification will include provisions to promote reuse of certain elements

- Experimentation of innovative solutions on the marking of wind turbines (Order published on April 23, 2020)

Onshore wind and land planning : regulation

- Set of administrative authorizations issued by the local authorities (Prefect). Large wind turbines are in fact part of the Classified Installations for the Protection of the Environment (ICPE), subject to strict and precise regulations. Authorization is based on :
 - Impact study : project can't create significant impact on health, safety and environment. The issue of protecting and preserving landscapes and heritage is thus taken into account.
 - Public inquiry, during which commissioner collects the opinion of all citizens who wish to give it. The public inquiry is the subject of a report which is taken into account in the examination of the authorization request.

Onshore wind and land planning : regulation

- Project needs to be compliant with land planning documents

Guide for urban planning at regional stakeholders, aiming to facilitate the reception of projects wind turbines in the territories – How to take onshore wind project into account in :

- Regional development plans, and sustainable development and regional equality
- Local climate air energy plan
- Local urban planning document

https://www.ecologie.gouv.fr/sites/default/files/Eolien_et_urbanisme_guide_a_destination_des_elus_-_nov_2019.pdf

Perspective

To improve the landscape integration of wind farms :

- a call for projects “Landscape plans” has for the first time integrated an “energy transition/ onshore wind” component, in order to allow territories to benefit from the financial support and technical expertise of ADEME to develop innovative solutions.

Keep working to help local authorities to be involved in onshore wind development and local inhabitants to be part of the projects.