



Commissie voor de
milieueffectrapportage



Wind Energy in the Netherlands

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Netherlands Commission for
Environmental Assessment
Dec 1st 2010

Wind Energy & SEA

- target windenergy: 9000 MW in 2020
 - 6000 off-shore, 3000 MW on shore
- no national planning windfarms on shore
- SEA windfarms
 - 15 MW (total); or
 - 10 turbines
- site assessment ‘project’ driven (on shore)
 - >100 MW central government
 - 5-100 MW provincial spatial plan
 - < 5 MW municipalities

SEA wind turbines (on-shore)

- site assessment
 - why here? suitability site? limitations to other sites?
- landscape
- ecological effects
 - birds, bats
 - cumulative effects
 - lack experience (information gaps)!
- effects surroundings (noise & shadow)
 - meeting legal standards \neq no nuisance

Study Case: Windfarm NOP



- 86 windmills, 450 MW
- near and on-shore
- NCEA:
 - May 2004: advice scoping guidelines (EIA, municipal spatial plans)
 - March 2010: Review of the Environmental Assessment Report

Review (1)

- working group:
 - chairperson
 - experts (5+1)
 - technical secretary (2)
- site visit
- review content report
- public consultation (600+ views from stakeholders)
 - additional expert dike safety



Review (2)

- overall good quality
- information incomplete/insufficient to fully integrate the environmental interest in decision making:
 - ecological effects (e.g. data source not used)
 - calculation nautical safety
- possibility to 'repair' report → supplementary statement provided

Ecological effects

- negative effects birds and bats
 - barrier
 - disturbance
 - collision casualties
 - food chain (fish)
- mitigation with shallow area IJsselmeer (resting and feeding area)

Lessons/difficulties NOP

- site assessment/spatial plan
 - no ‘general’ policy availability sites
 - a suitable location vs ‘the best’ location
- uncertainties
 - lack of experience with large scale turbines and wind parks
 - effects birds (negative effects turbines & positives effect mitigation) → monitoring
- municipality Urk
 - resistance (public and administration)



Question?

Thank you for your attention