



Minutes Q&A's plenary session Workshop wind farm zone Borssele, March 30th 2015

General progress – Bert Wilbrink (EZ):

- **Question:** In your presentation you show that there will be a partial revision of the National Water Plan 2. There are areas within the 12 mile zone that are added. Does that mean the wind farm sites will be bigger than the original plan?
- **Answer:** No, the area will not be bigger than we communicated previously. In order to have 1400 MW capacity we need extra space, but we already reached this conclusion in September 2014.
- **Question** by Gijs Nijsten from Nuon: Every workshop is about governance and planning, but I don't see how the planning of TenneT links together with that of the Ministry of Economic Affairs. Can we get an overall planning?
- **Answer:** Yes, we can accommodate your request. We can provide a total planning at some time in the future, though not today.

Results framework on Ecology and Accumulation – Martine Graafland (RWS):

- **Question** by Ruud van Leeuwen from Eneco: You reach your conclusion based on the assumption that one bat will die per turbine per year. Is this assumption in your model statistically supported?
- **Answer:** We based this assumption on research we have done on land, because if a bat dies on land it falls on the ground and we can see it. The statistics we used for offshore wind are based on this.
- **Clarification** by Ruud de Bruijne from RVO: The cut in speeds of wind mills would only need to be altered during the season of migration and only during night.
- **Question** by Muriel van der Hulst from Volker Stevin International: Is the maximum allowed level of sound still 160 dB? Or can we go above that amount during certain periods of the year?
- **Answer:** We are looking at flexible measures. Flexible in the sound limit and flexibility based on the season. The policy on the maximum sound level is still under construction and it is almost finished. It will be published together with the wind farm site decisions i.e. the second half of May 2015.

- **Question** by Bob Meijer from GDF Suez: are you planning surveys to monitor the bats?
- **Answer:** We already have some bat detectors on the wind mast installations. With this we can see where the bats fly and under what circumstances. The results of this might change our opinion on the cut in speeds. The current cut in speeds are at the lowest possible maximum.
- **Question** by Jaap 't Hooft from 8Winds: This is a question about seasonal restrictions. In a hypothetical scenario where there is a technology to put the foundation in place with no noise at all, suppose it exists, do we have to comply with seasonal restrictions?
- **Answer:** If you produce no underwater noise at all, there are no restrictions for underwater noise to which you have to comply.
- **Question** by Paula Low of EDPR: I have a question about Start/Stop. Is there a difference between the regulations for a 10MW turbine versus a 5 MW turbine?
- **Answer:** We are still calculating the economic losses of this. We need more time to work this out in order to be more specific. The answer has to do with the flora and fauna act, it has to do with mortalities.

Subsidy tender (SDE+) – Marc Streefkerk (EZ):

- **Question:** I have a question about overplanting. If there are 1 or 2 developers for 760 MW, how does this relate to the TenneT platform which is 700 MW?
- **Answer:** The Ministry of Economic Affairs will determine the bandwidth. TenneT guarantees 700 MW going into shore. The exact details of this will be part of the consultation process.
- **Question:** Why is there a calculation of a maximum base amount?
- **Answer:** In the National Energy agreement it indicates the Netherlands want offshore wind energy, but not at all cost. The base amount is the tender cap. The maximum amount of money we are willing to pay for offshore wind energy in the Netherlands.
- **Question** by Geebers from Vattenfall: I have a question about the timeline of the SDE+ subsidy scheme . The call for tender closes in March, when does a company know if it won the bid? Combination with irrevocable permit.

- **Answer:** According to the law we have 13 weeks to decide, with the possibility to postpone the decision with another 13 weeks. After that there will be time for appeals.
- **Question:** Does the ministerial regulation contain quality standards and technical feasibility?
- **Answer:** The Tender is part of the regular SDE+ framework. Though there are some other details for example: if you want to make a new windmill which has never been produced anywhere in the world before you will not win the tender. This because you can't prove the technical feasibility. So there are extreme examples where you will get a negative answer.
- **Question** by Julian Smith of GDF Suez: In Denmark there is a 2 step system. The first step is what you just mentioned. Don't you expect delays in deciding who wins?
- **Answer:** Yes, you do get a delay when compared to Denmark. In Denmark the day after the bid closes it is clear who won the bid.
- **Question:** Do you expect that this is an extra risk for developer and therefore factored into the price?
- **Answer:** This is true, but we have a one-step system, which also reduces risk.

Energy legislation & Investment plan electrical infrastructure – Joost Vermeulen (EZ):

- **Question** by Albert van der Hem of Blix: What time scales are you looking at for the scenario to be clear?
- **Answer:** New Electricity and Gas bill will enter into force January 1st 2016. The scenario should be ready 1 month after that, so by February 2016. That is also the deadline for submission of the investment plan. In order to achieve this, the public consultation of the investment plan will likely be held in the 2nd half of this year (2015). We want the scenario to be set and investment plan to be approved by ACM as early as possible in 2016 in order to provide clarity and comfort to the market, investors and TenneT.
- **Question** by Roland de Vlam of Loyens & Loef N.V.: The planning for the Borssele tender is based on the assumption that STROOM is passed by January 2016. Isn't there a chance that it will take longer than 6 months to pass the bill?
- **Answer:** Before the tender closes a lot of these issues will be clear. In the end there might be a delay, this is always a possibility. We do a lot of risk management, but we cannot control parliament. If a delay occurs the scenario would not have a legal status in January 2016, the same goes for the investment plan. This will probably cause a delay, but at this point we can only speculate what kind of scenario we will get into then.

EIA electrical transmission system – Anne-Marie Taris (TenneT):

- **Question:** This is a question regarding the position of the substations. During a presentation this morning we saw that the Farland-North cable was located more to the north than expected.
- **Answer:** We changed our platform locations based on the as-laid information of the Farland cable.
- **Question:** In the Environmental Impact are you also assessing UXO's and archaeological sites?
- **Answer:** Yes, we are currently carrying out desk studies on these topics. At a later stage we will also conduct surveys.
- **Question** by Niklas Eric Indrevaer of Statoil: Will the lessons learned by TenneT of the construction of the substation also be shared with the winner of the tender?

- **Answer:** RVO already carries out all the investigation inside the wind area, like geophysical and geotechnical investigations. Construction of the TenneT platforms starts in 2017/2018.
- **Question** by Laurens van Zelst of Delta E&M: Did you take a look at inter-array cables in choosing the platform location?
- **Answer:** Yes, we did. If we locate the export cables north from the platform there will still be crossings (only in that case from Site I instead of Site II).
- **Question:** You mentioned a redundancy cable between two platforms. What will be the capacity of this cable?
- **Answer:** It will probably be 66 kV. We are writing a position paper on this which will be published within the next two months.

Telecom Cables – Albert van der Hem (Blix):

- **Question:** Have you looked at having the extra space for lay-out optimization?
- **Answer:** Yes, to a certain extent. We haven't done thorough lay-outing. DNVGL did LCOE (levelized cost of electricity) calculations.
- **Question** by Carel Kort of Typhoon Capital: Is there a chance the safety area will be minimized?
- **Answer:** The coordinates of the wind farm sites will change due to less space for maintenance areas for the telecom cables.

Site investigations – Ruud de Bruijne (RVO):

- **Question** by Niklas Eric Indrevaer of Statoil: The morphology study should be updated. Are you planning to do overlapping bathymetry to verify the movement of the sand? This would be good to verify if the model you used is accurate.
- **Answer:** There isn't really an overlap, but the area which will be surveyed is up to the borders which include the safety zones.
- **Answer 2:** We have now defined the areas, which mean that where the cable is according to the map is the border. So there might be a small overlap at those locations.
- **Clarification:** You could gain some knowledge on how the sand waves move.
- **Answer 3:** We can take it into account. Also when a severe storm passes, we can look again at the sand wave to see if it was affected.