



Workshop 'roadmap towards 4.500 MW offshore wind energy'

Calls for subsidy and permit tenders

14th October 2015

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Ministry of Economic Affairs



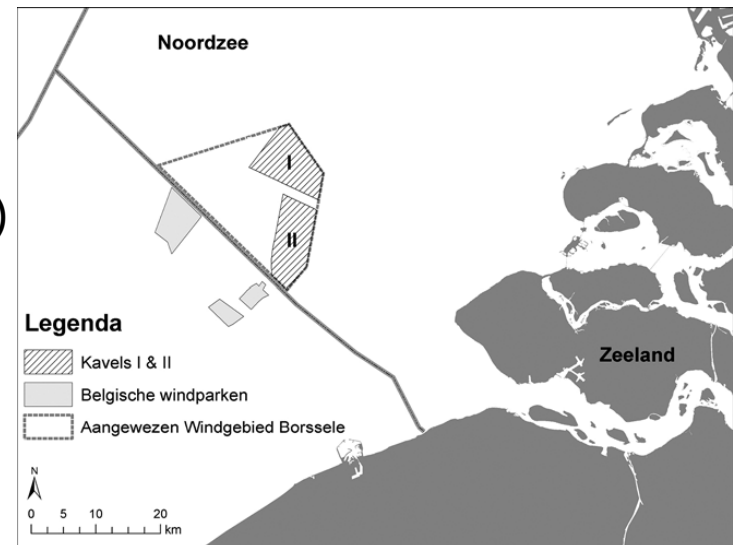
Overview presentation

- Tender 2015 (Borssele)
 - BWFSDs I and II, incl EIA
 - Consenting procedure TenneT
 - Planning tender
- Tender 2016 (Borssele)
 - BWFSDs III, IV and V, incl EIA
 - Planning tender
- Tender 2017-2018 (Hollandse Kust Zuid Wind Farm Zone)
 - National Water Plan 2016 – 2021
 - HKWFSDs, incl EIA
 - Consenting procedure TenneT
- Tender 2019 (Hollandse Kust Noord Wind Farm Zone)



Tender 2015: planning Borssele WFSDs I/II

- Consultation draft wind farm site decisions Borssele I and II finished
- Positive mandatory advisory report from The Netherlands Commission for Environmental Assessment (NCEA) 13th October
 - 21 opinions and advisory report available (in Dutch) at <http://www.rvo.nl/subsidies-regelingen/wind-op-zee-kavels-borssele>)
- Final BWFSDs I and II expected end of November 2015 (appeal within 6 weeks)
- Irrevocable BWFSDs I and II expected mid 2016





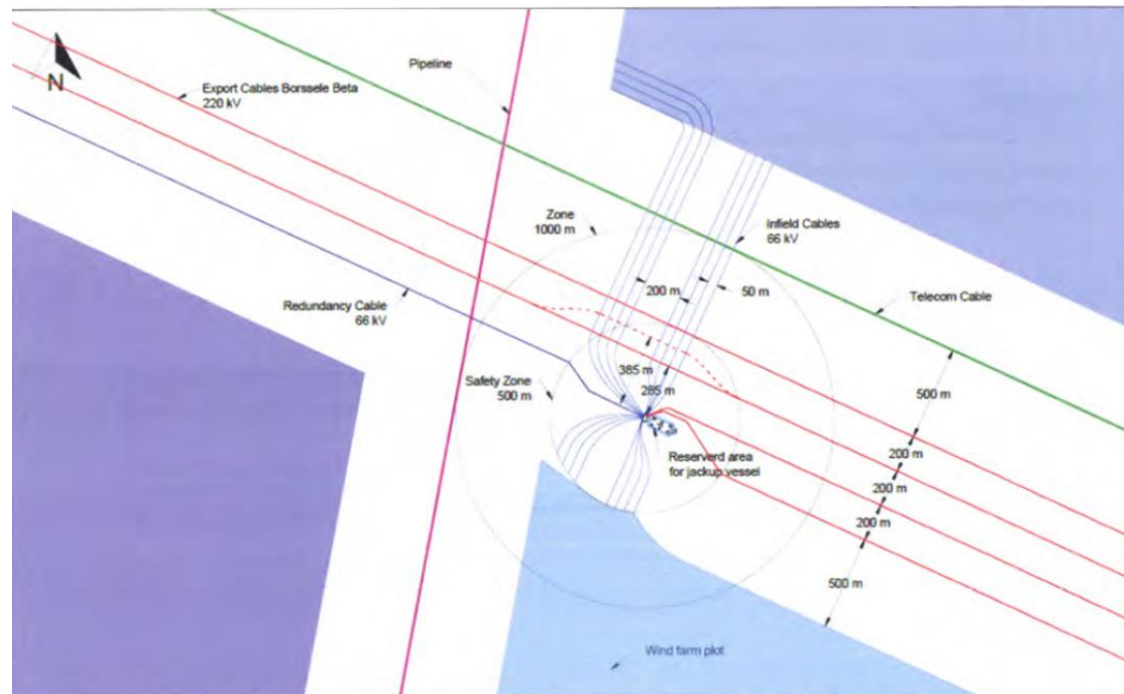
Tender 2015: most important expected changes Borssele WFSDs

1. Par 4.1.5: clarify Dutch Navy will remove UXO at no costs for wind farm developer.
2. Regulation 2.13/14: clarify heavy metals in cathodic protection
3. Regulation 2: Additional regulation for local and regional economy (e.g. 2.16 sea's ecosystem)
4. Regulation 4.2 sub a: add 159 dB re 1 mPa²s SEL1 (77-95 turbines, Jan-May)
5. Regulation 4.2 sub c: 12 → 48 hours
6. Regulation 4.2 sub e/f/g and 4.3 sub d: no approval anymore
7. Regulation 4.3 (system mass migration birds): possibly one system
8. Regulation 7: providing financial security of EUR 120,000 per MW before EXPLOITATION starts, recalibrating three times.



Tender 2015: most important expected changes Borssele WFSDs

9. Regulation 2.1/2.2 site II: changes north-west corner boundary WFS II due to other layout export cables TenneT
→ be aware more crossings site I, less crossings site II





Tender 2015: no changes expected Borssele WFSDs

1. Environmental impact assessment (EIA), due to positive mandatory advisory report from NCEA
2. Minimum rotor swept area in total and per turbine, due to gulls
3. We will work on crossing- and proximity agreements, but not in the WFSD's itself.



Tender 2015: consenting procedure TenneT

- 4th September 2015 preparation decision ('voorbereidingsbesluit') trace 4b (Westerschelde)
- November 2015 application for permits expected
- February 2016 6 weeks consultation draft permits and spatial plan expected
- Final permits and spatial plan expected mid 2016
- Irrevocable permits and spatial plan expected end 2016
- Draft scenario:
 - platform Alpha available 31 August 2019
 - platform Beta available 31 August 2020



Tender 2015: consenting procedure TenneT

- Detailed route engineering and discussions with nautical parties led to changes in route





Tender 2015: SDE+ and permit

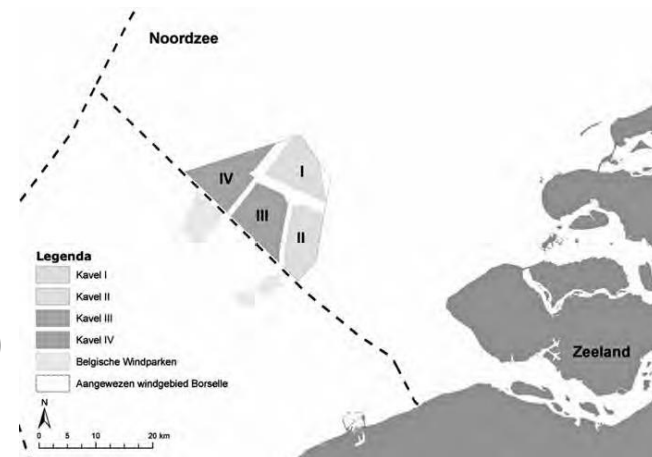
- Application form for SDE+ and permit will be online December 2nd 2015
- Meeting in Zwolle on the 10th of December 2015 where an explanation will be given on the application form and enclosures for SDE+ and permit



Tender 2016: BWFSDs III/IV/V and tender

- Consultation memorandum scope and level of detail EIA finished
- 7 opinions (available at <http://www.rvo.nl/subsidies-regelingen/wind-op-zee-kavels-borssele-iii-iv-en-v> (Dutch))
- End December 2015 6 weeks consultation draft WFSDs expected
- Final WFSDs expected April 2016 (appeal within 6 weeks)
- Irrevocable WFSDs expected October 2016

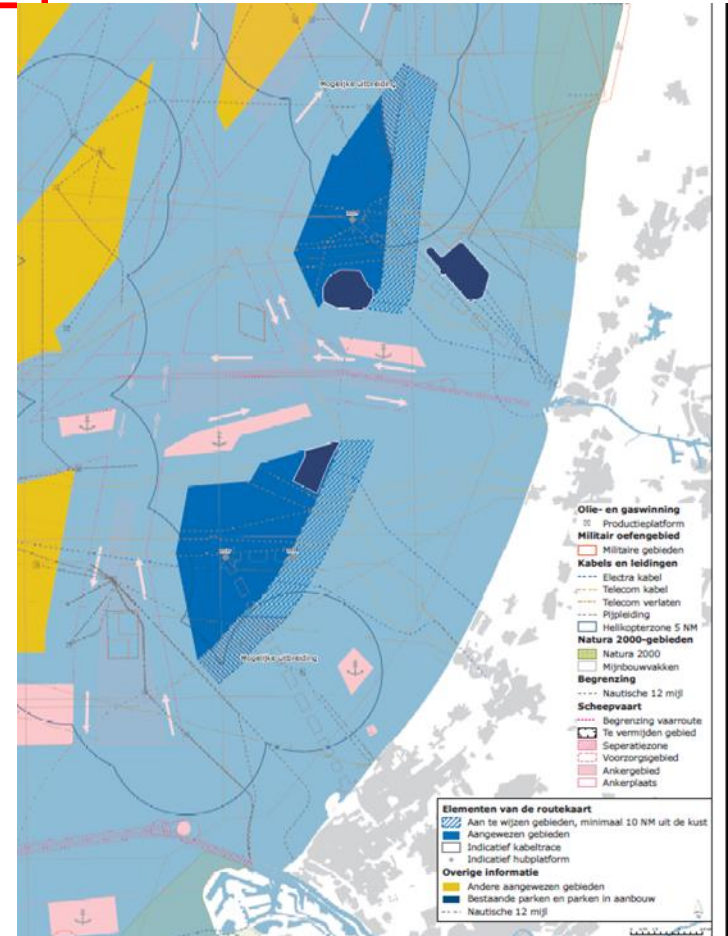
- Tender SDE+ 2016 published end of 2015 (WFSs III and IV, not V (!))
- Tender SDE+ 2016 opens and closes (!) October 2016
- No changes expected (except 330/350 MW)





Tender 2017-2018 (Hollandse Kust Zuid): National Waterplan 2016-2021

- Final National Waterplan 2016-2021 expected end of December 2015 (e.g. ships <24m; presentation Rob Gerits, later this afternoon)
- But this needs change:
 - Adding designated areas 10-12 miles off the coast of North and South Holland
 - Consultation scoping document EIA until 11th of June 2015
 - Draft beginning 2016
 - Final mid 2016



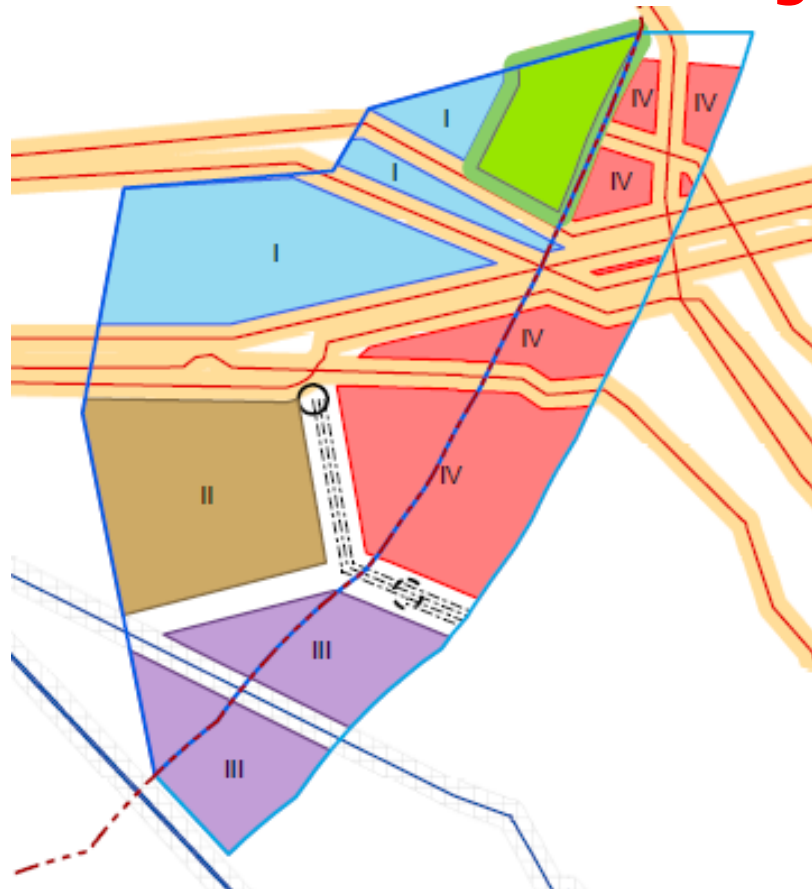


Tender 2017-2018: planning Hollandse Kust Zuid WFSDs

- 6 weeks consultation memorandum scope and level of detail EIA expected December 2015
- Draft wind farm site decisions Hollandse Kust Zuid expected before summer 2016
- Final wind farm site decisions Hollandse Kust Zuid expected before end 2016
- Irrevocable wind farm site decisions Hollandse Kust Zuid expected mid 2017
- Tender SDE+ 2017 opens and closes (!) October 2017



Tender 2017-2018: first impression Hollandse Kust Wind Farm Sites and offshore grid





Tender 2017-2018: consenting procedure TenneT Hollandse Kust (Zuid)

- TenneT has started the EIA procedure for the offshore transmission system for the wind area Hollandse Kust Zuid
- TenneT undertakes the following steps in the coming months (2015):

What?	How and when?
Development of the Draft Memo of the scope and level of detail EIA	Publication around the turn of the year (followed by 6 weeks consultation)
Engagement of various stakeholders in defining potential offshore and onshore cable routing (from the offshore TenneT platforms towards the onshore high voltage station)	By means of bilateral meetings and routing workshops in autumn