



Ministry of Economic Affairs



Legal framework

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Ministry of Economic Affairs



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Electricity and gas bill (STROOM)

Why important?

- Assigns TenneT as operator of offshore transmission system
- Introduces scenario
- Requires TenneT to submit offshore investment plan

Time schedule

- Yesterday: bill adopted by House of Representatives
- Now – December: questions by Senate
- December: Senate
- In force: 1 January 2016

Ministerial Order:

- Draft next week on www.internetconsultatie.nl





Scenario offshore wind energy

Fundamentals

- Why? -> government steering
- Objective: provide a spatial, time and technical framework for development of offshore wind in the Netherlands
- Level of detail: functional (design) requirements (outline)
- Starting point: minimisation of LCOE

Relationships

- Spatial: Road map
- Time: Compensation scheme
- Technical: Investment plan and legal framework TenneT
- Requirements: scenario for offshore transmission system, site decisions for wind farms

Scenario open for consultation until
10 November on

www.internetconsultatie.nl



Scenario: security of investments and design

- Ministry of Economic Affairs subsidises TenneT for the offshore transmission system
 - Necessity of investments follows from scenario
 - Scenario is determined by Minister of Economic Affairs
 - Regulator (ACM) tests if TenneT's offshore investment plan is in line with scenario
 - Regulator (ACM) tests efficiency of investments
- > Changes in (essence of) design of offshore transmission system after publication of scenario are unlikely





Scenario: requirements

Delivery date:

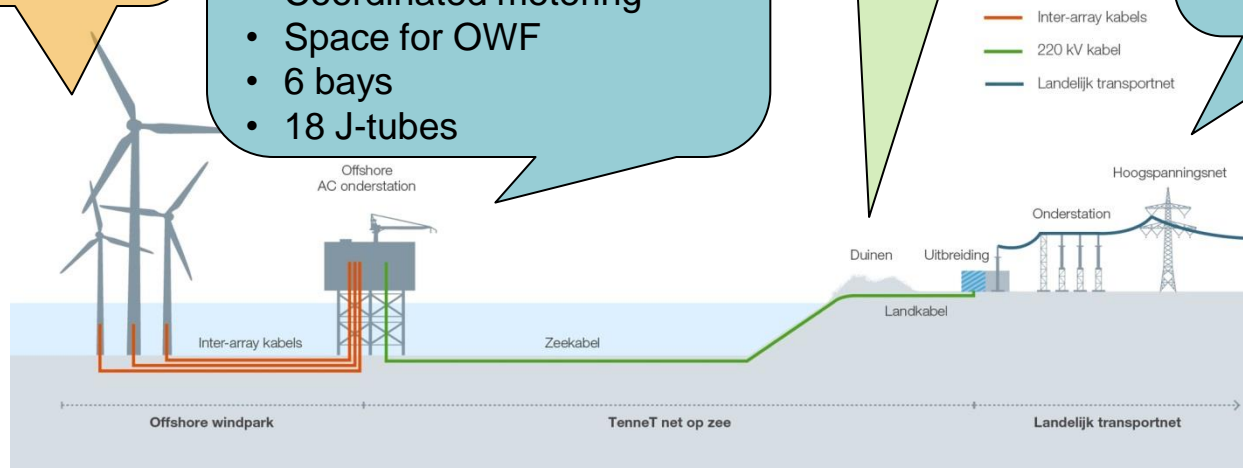
- Borssele Alpha: 31 Aug 2019
- Borssele Beta: 31 Aug 2020

- Max. 380 MW
- 66 kV inter-array
- Reactive power at turbine

- Hub functionality
- No North Sea grid
- Heli-hoist
- 66 kV inter-platform
- Coordinated metering
- Space for OWF
- 6 bays
- 18 J-tubes

- AC
- 220 kV
- 2 x 350 MW guaranteed
- Dynamic rating

- Land cable underground
- Space for OWF





Technical requirements TenneT, legal framework (REA and CTA)

What happened since June workshop?

- 2 July: Technical expert meeting
- 28 July: Publication of draft model agreements & GTC's
- 1 September: publication of RVO's revised Project and site description Borssele Wind Farm Zone, site I and II
 - Includes overview of legal framework
- 9&10 September: Legal Consultation
- 24 September: Technical expert meeting
- 9 October: Publication of overview legal input including TenneT's position and draft Annexes
- 13 October: Publication of second draft model agreements & GTC's



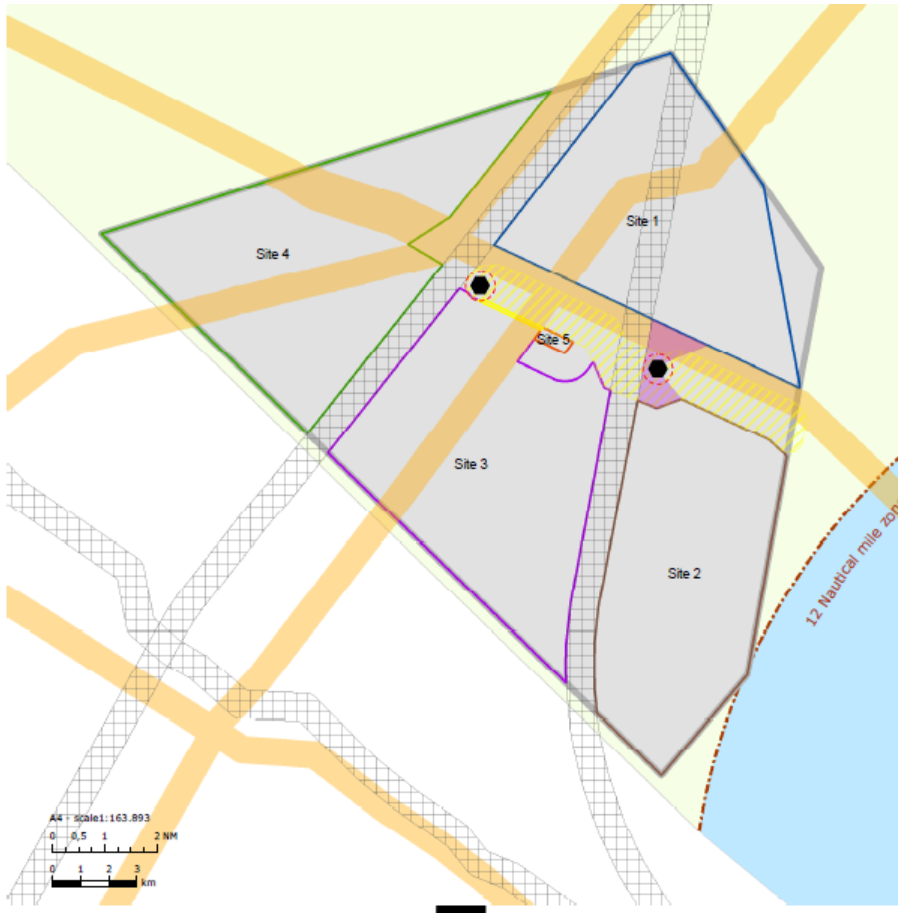
Technical requirements TenneT, legal framework (REA and CTA)

Next steps

- 15&16 October: Legal Consultation
- 23 October: final deadline for submission of questions/views related to TenneT's offshore legal framework via netopzee@tennet.eu
- Prior to opening of the first SDE+ offshore wind subsidy tender TenneT will conclude and publish the offshore model agreements
- The winner of each tender is to enter into individual realization and connection & transmission agreements including GTC's with TenneT, in accordance with the model agreements



Innovation Wind Farm Site V: Location





Innovation Site V: Aim and criteria

Aim

- Demonstration of mature innovations (~ TRL 8), no prototype testing

Criteria

- Will be elaborated by TKI Offshore Wind and government
- This autumn consultation/workshops on outline of subsidy scheme and criteria
- First glance:
 - Contribution to cost reduction
 - Contribution to market development and export potential
 - Time to market
 - Reduction of ecological footprint, etc.

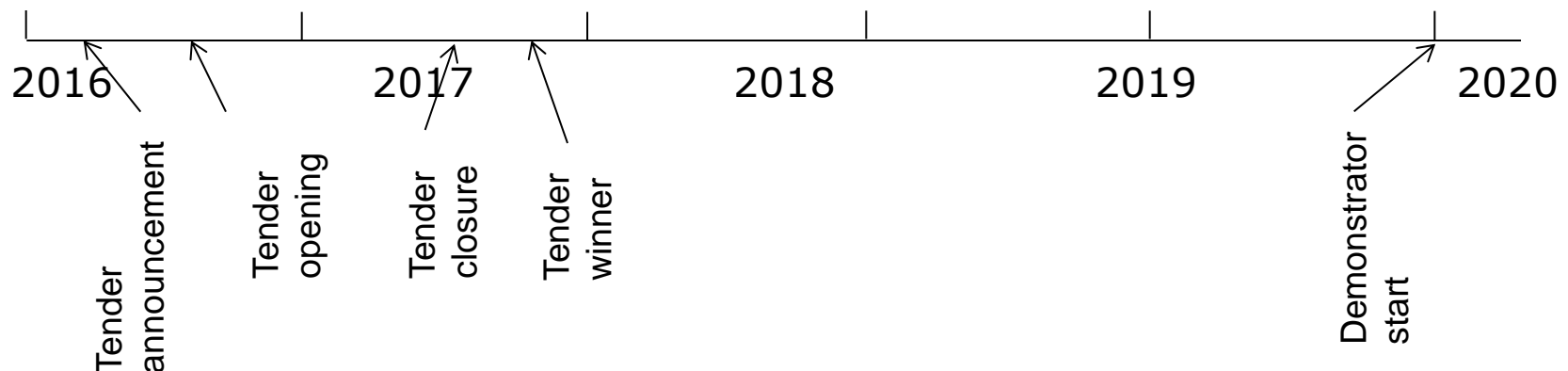


Innovation Site V: subsidy scheme and planning

Subsidy scheme

- Subsidy grant connected to permit to operate site V
- 'Base' subsidy from regular SDE+ for produced MWh
- On top of that innovation subsidy, based on existing innovation subsidy schemes
- Check on state aid

Planning





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End

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