



Ministry of Economic Affairs
and Climate Policy

Offshore Wind Policy state of play in The Netherlands

Ministry of Economic Affairs and Climate Policy
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~~Previous policy~~

~~No spatial plan, industry picks the sites and apply for permit, site research and the grid connection for developer~~

Today's policy

1. **Preselecting sites** for developer perspective
2. **Co-ordinating approval proces** for no-delay permitting
3. **Prefinancing EIA, site studies** for managing development risks
4. **Own invest in timely grid connections** for ensuring project progress
5. **Level playing field tenders** for price competition and low/zero subsidy levels



Offshore Wind Programme

Policy & regulations (A-C)

A. North Sea Programme (I&W)



B. Roadmap (EZK)

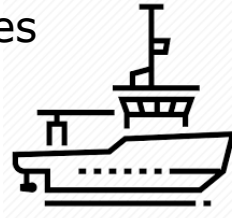


C. 'Ontwikkelder' (EZK)



Implementation & roll-out offshore wind programme (1-5)

1. Site studies (RVO)



2. Site decision (RWS)



4. Tender (RVO)



3. Offshore grid development (TenneT & RWS)



5. Inspection and enforcement (RWS & SODM)

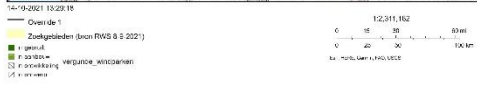




Offshore wind rollout targets

< 2013

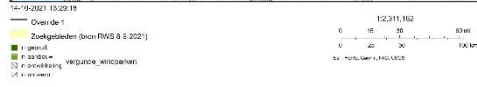
WOZ



No rollout plan
No dedicated policy
1 GW
4% current consumption

2013

WOZ



Roadmap 2023
(NL Energy Agreement)
4.5 GW

2019

WOZ



Roadmap 2030
(NL Climate Agreement)
11 GW
40% current consumption

2022

WOZ



Roadmap 2030+
(EU Fit-for-55 in 2030)
21 GW
75% current consumption

2022

WOZ



Climate neutrality
(EU Climate Act)
70 GW
100% current consumption

16% current consumption

Roadmaps 2023, 2030, 2030+

2016 - 2024	GW	Tender(s)	(Expected) commissioning
Borssele I + II (Ørsted)	0.75	2016	2020
Borssele III + IV (Shell, Eneco)	0.75	2016	2020
Hollandse Kust (zuid) I + II (Vattenfall)	0.76	2018	2022
Hollandse Kust (zuid) III + IV (Vattenfall)	0.76	2019	2023
Hollandse Kust (noord) V (Shell, Eneco)	0.76	2020	2024
2024 - 2029	GW	Tender	(Expected) commissioning
Hollandse Kust (west) VI + VII	1.5	2022	2026 (shortly announced)
IJmuiden Ver I + II (80+ km)	2.0	2023	2029
IJmuiden Ver III + IV (80+ km)	2.0	2023	2028
IJmuiden Ver (noord) V + VI	2.0	2025	2029

2030+	GW	Tender	(Expected) commissioning
Hollandse Kust (west) VIII	0,7	2026/2027*	tbd
Ten noorden vd Waddeneilanden I	0.7	2026/2027*	(2031)*
Nederwiek (zuid) I	2.0	2025	2030
Nederwiek (noord) III + IV	4.0	2026*	2030/2031
Doordewind I + II	4.0	2027*	2031
Target: ~ 21 GW around 2030		*TBD	*TBD

Additional Roadmap Offshore Wind Energy

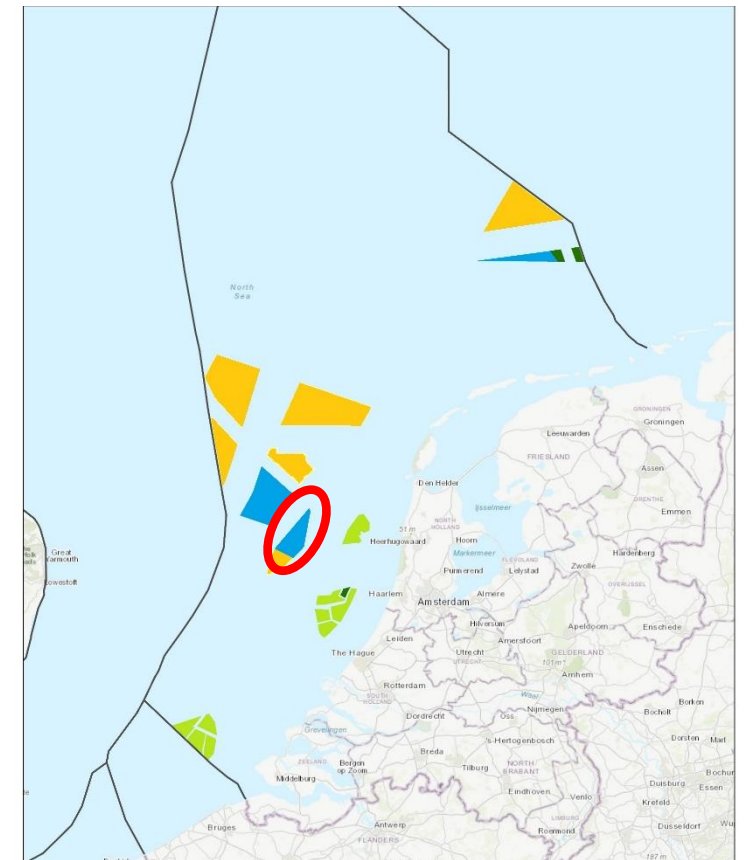
to achieve about 21 GW around 2030





Previous tender: Hollandse Kust west (VI, VII)

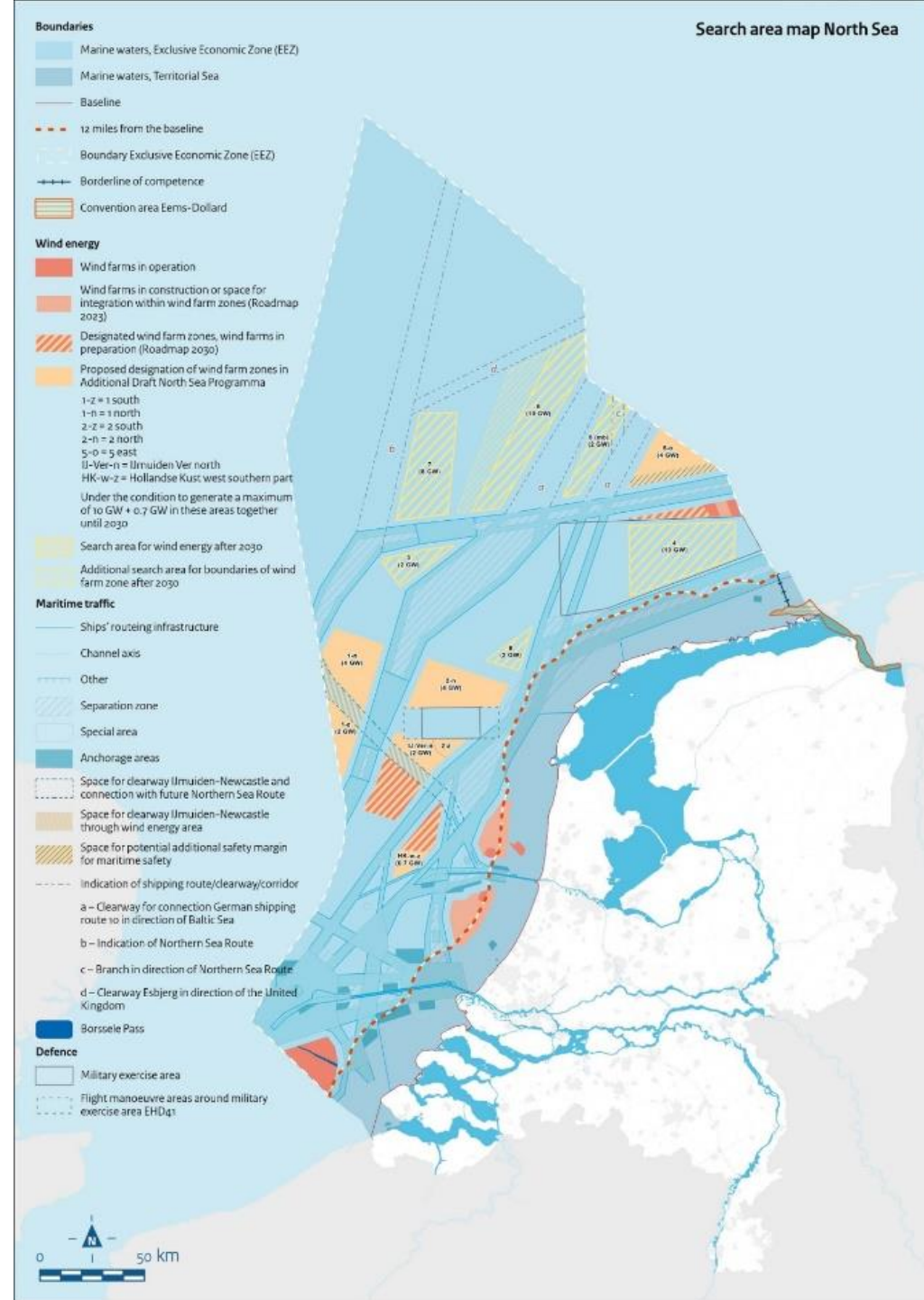
- No subsidy, comparative assessment with financial bid (50mln)
- Site specific priority challenges: max. 100 points per site
 - Site VI: ecology innovation
 - Site VII: system integration
- Applications (publicly announced in media)
 - Engie/EDRP, RWE, Ørsted, Shell/ Eneco, SSE, BP, Vattenfall
- First winner (site VII) announced: RWE won with bid including 600MW onshore electrolysis, 225MW electrical boilers and 5MW offshore solar
- Second winner soon to be announced (before 15 December 2022)
- Operational in 2026





Offshore 2030-2050

- > Cabinet announced plans earlier this fall
- > Ambition: 70 GW installed capacity by 2050
- > New wind areas further North
- > Both electricity and hydrogen
- > Energy hubs: large areas with offshore wind, maybe floating solar, hydrogen production
- > Interconnected with other countries





2023 policy agenda

- > Next tender (IJmuiden Ver, 4GW), operational in 2028/2029
- > Energy Infrastructure Plan North Sea 2050
 - Energy system outlook for 70GW in 2050
 - Locations of hubs
 - Connections between (international) hubs
 - Design first large scale energy hub (electricity and hydrogen)
 - Design of hydrogen backbone
- > Assigning new sites and locating new landfall options (electricity and hydrogen)



International Cooperation

- > North Sea Energy Cooperation (NSEC)
- > In 2023 The Netherlands will be chairman of NSEC
- > Focus themes:
 - Offshore wind between 2030-2050 (energy hubs)
 - The three North Sea transitions: nature, food and energy
 - Sustainable supply chain



Thank you for your attention

