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# **Case Study**

## **German Federal Requirements Plan 2015 for the Energy Transmission Grid**

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Working Group on the Espoo Convention and the SEA Protocol  
Geneva, May 2018

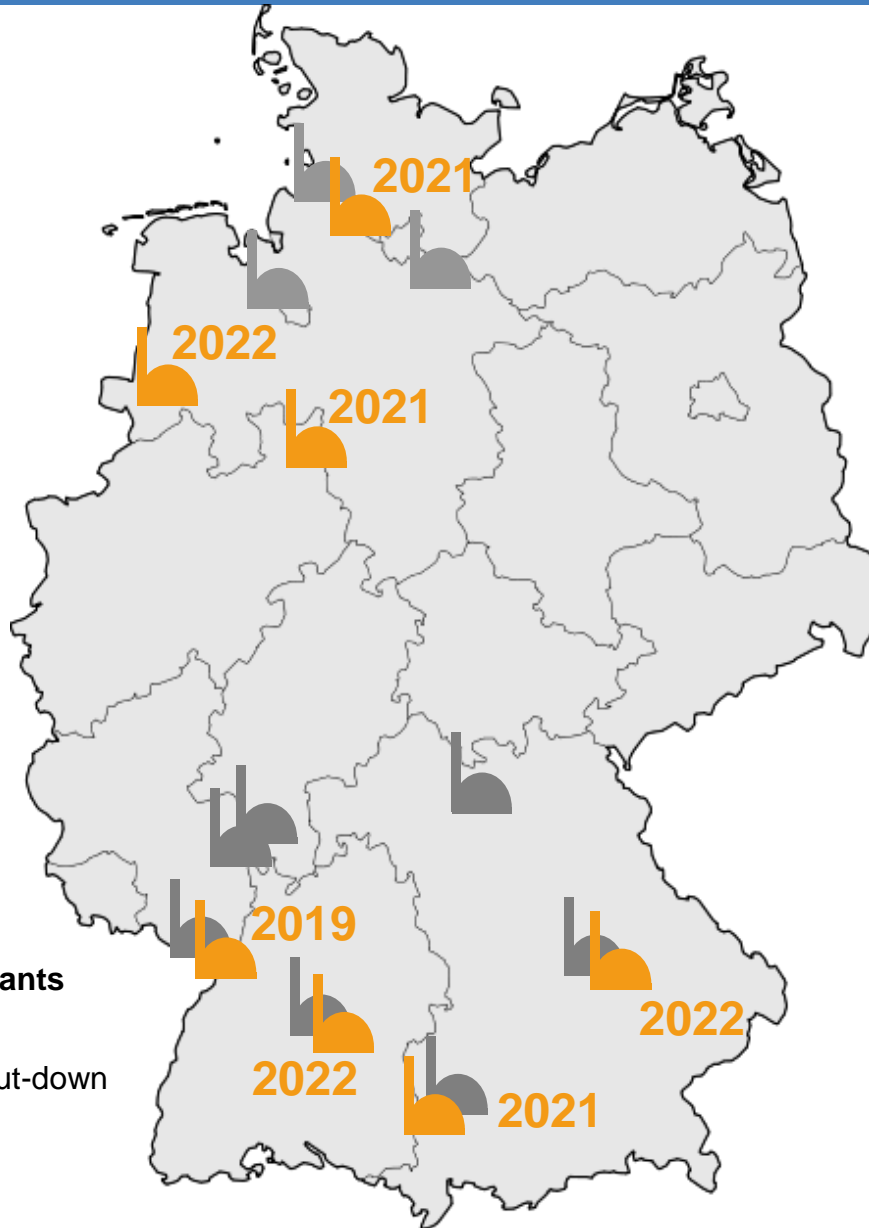


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### Wind offshore



2015: 3,4 GW  
Target for 2030:  
**11,6 GW \***



### Nuclear power plants

-  Planned shut-down
-  Shut-down

### Wind onshore



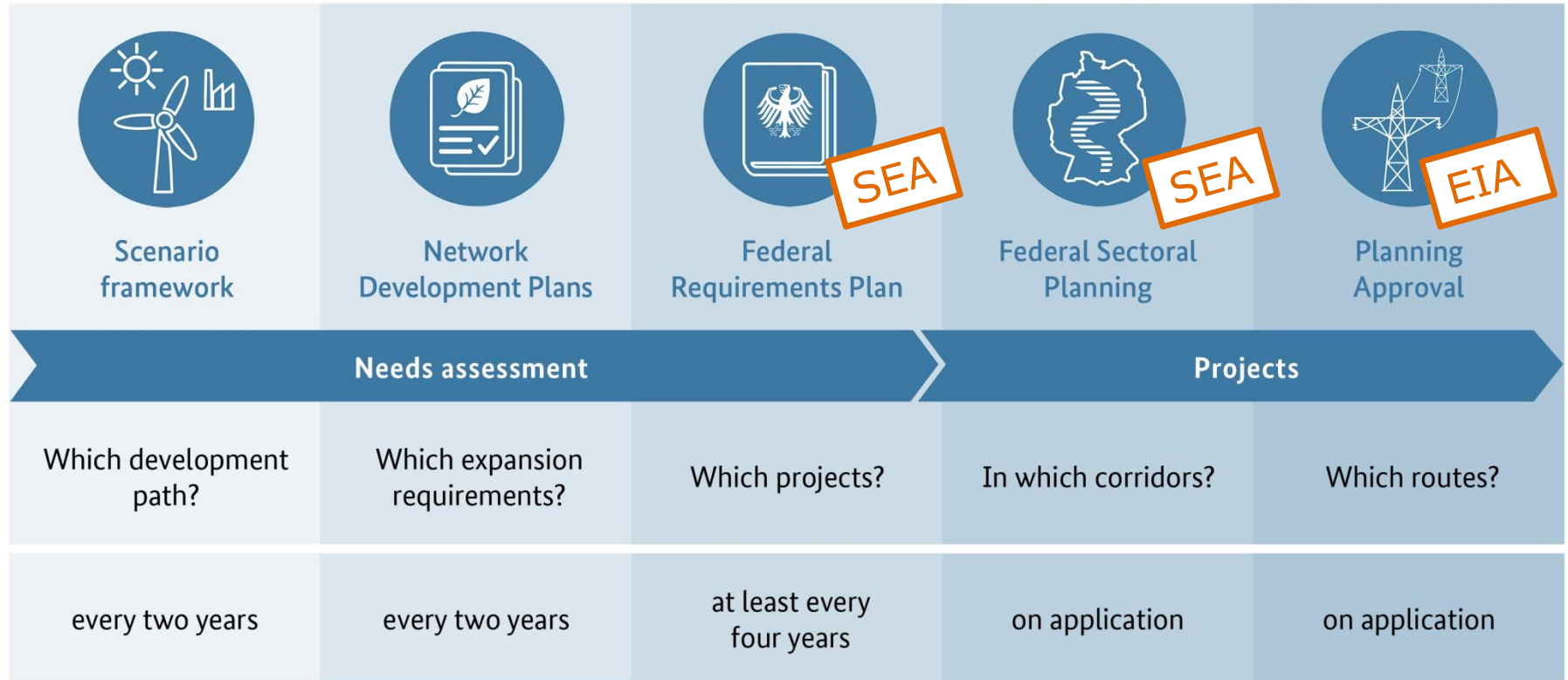
2015: 41,2 GW  
Target for 2030:  
**17,3 GW \***

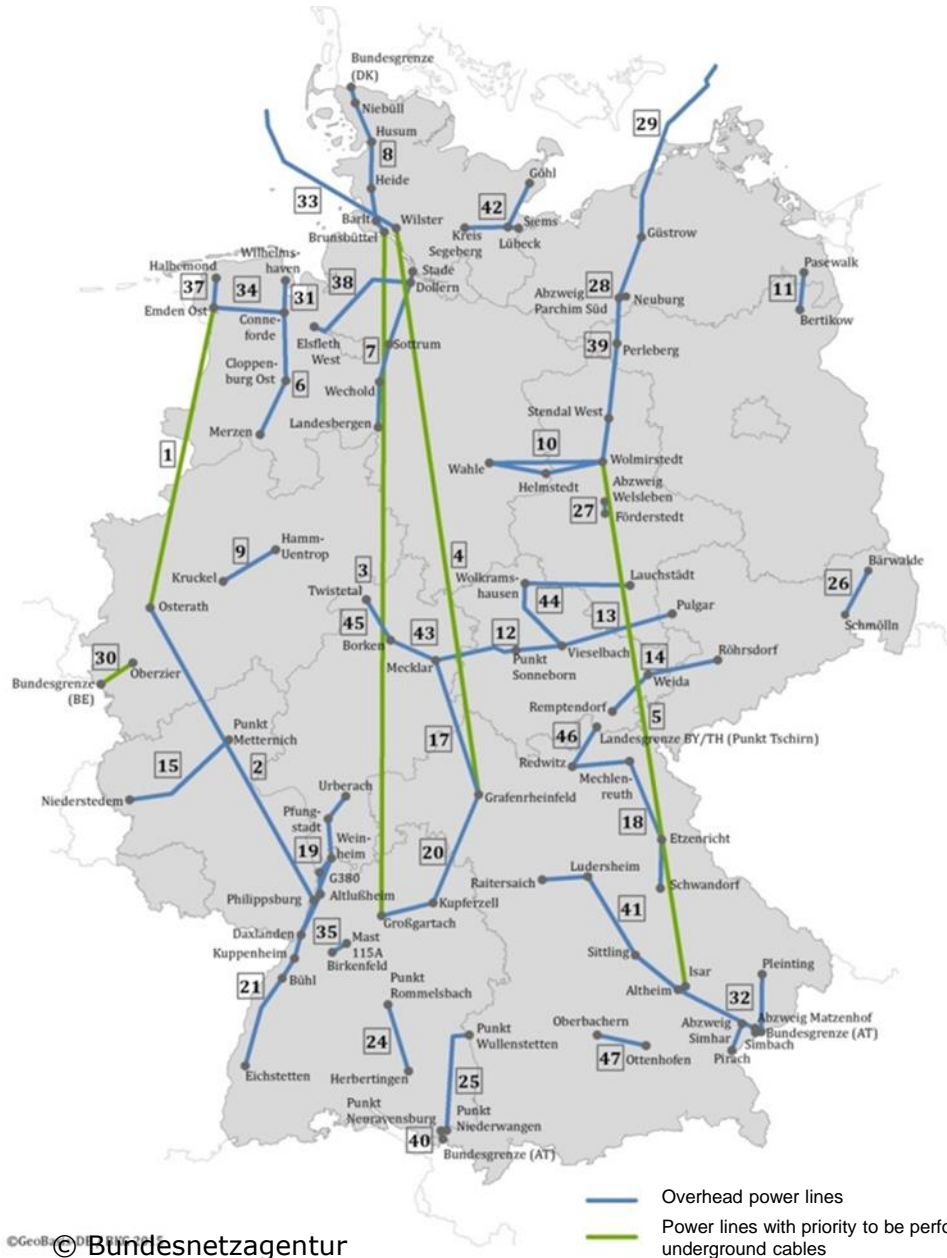
### Solar energy



2015: 39,3 GW  
Target for 2030:  
**27 GW \***

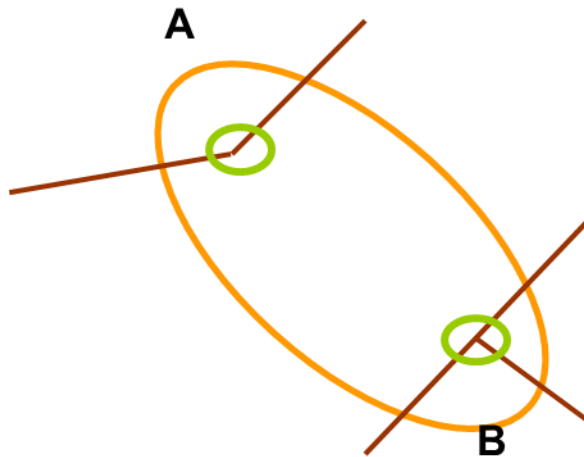
# Five steps of grid development





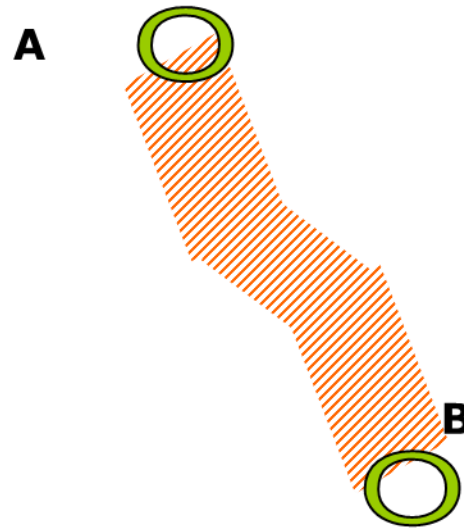
- Need of grid expansion calculated until 2025
- Total length approx. 5900 km
- DC-corridors: 1.500 to 2.250 km
- Partly to be build as cables
- Federal Network Agency is competent authority for 16 projects

## Grid connection points



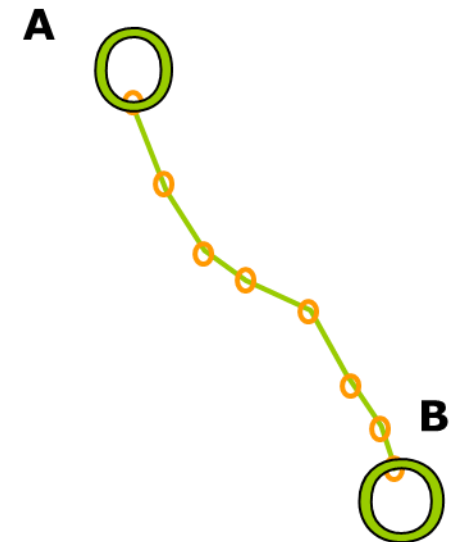
**Federal Requirements  
Plan Act (BBPIG)**

## Route corridor



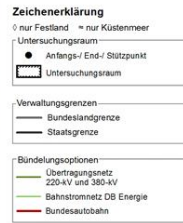
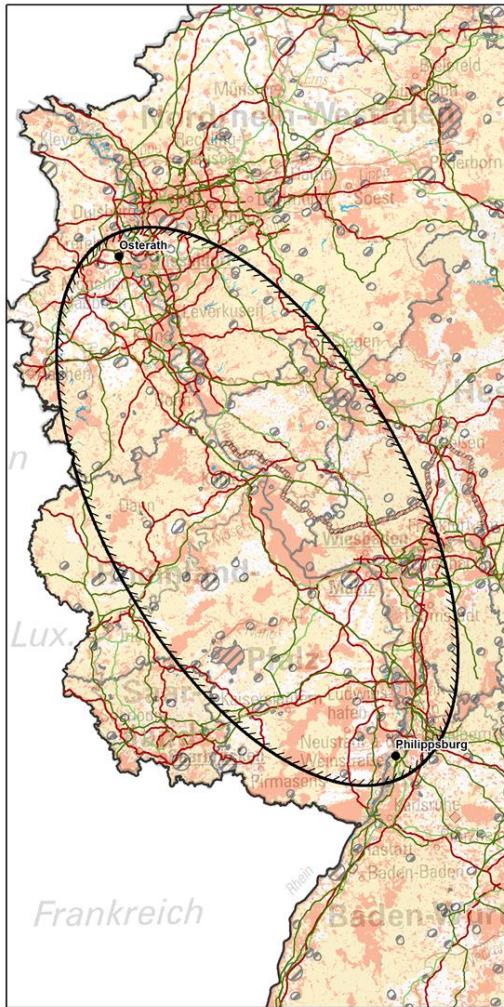
**Federal Sectoral  
Planning (BFP)**

## Exact route

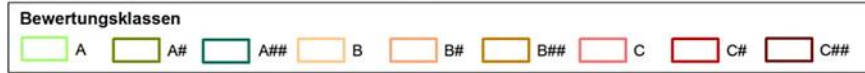
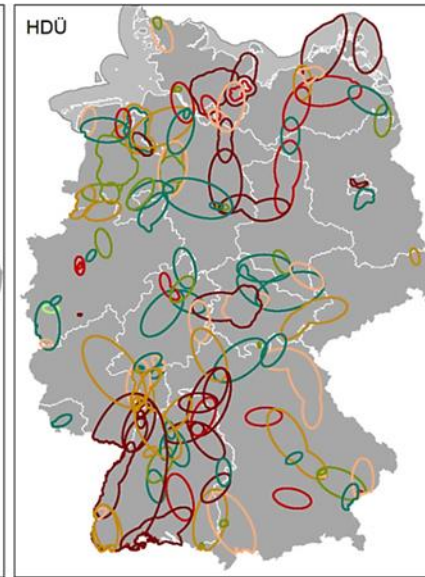
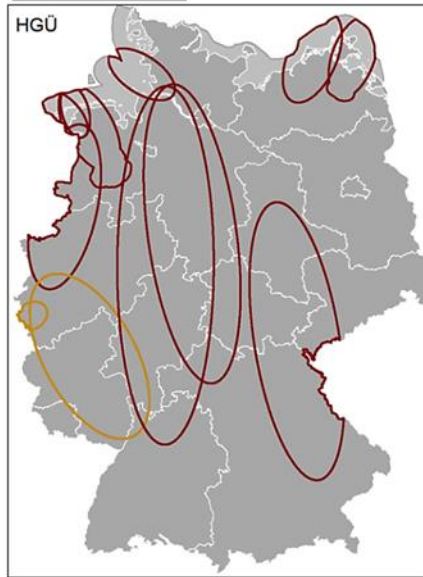


**Planning approval  
Procedure (PFV)**

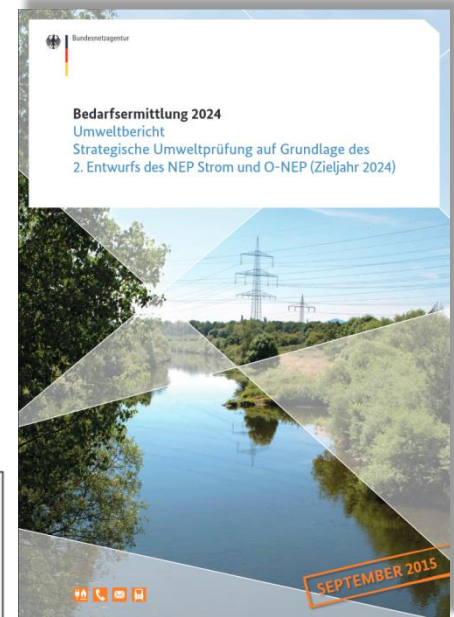
Maßnahme Nr. DC2  
Osterath - Philippsburg



→  
70 individual projects



Classification of possible impacts due to likely susceptible areas



460 pages excl. annexes

- Consultation of the general public, NGOs and authorities
- consultation was announced in the **internet** at [www.netzausbau.de](http://www.netzausbau.de), **public notes**, the **newsletter** and **electronic media**
- documents were accessible via internet and in print at the main office of the Federal Network Agency in Bonn **for a period of 6 weeks**
- public could react to the documents in a written form, by letter or e-mail **within a period of 8 weeks** in total
- several **public information events** took place in different cities of Germany



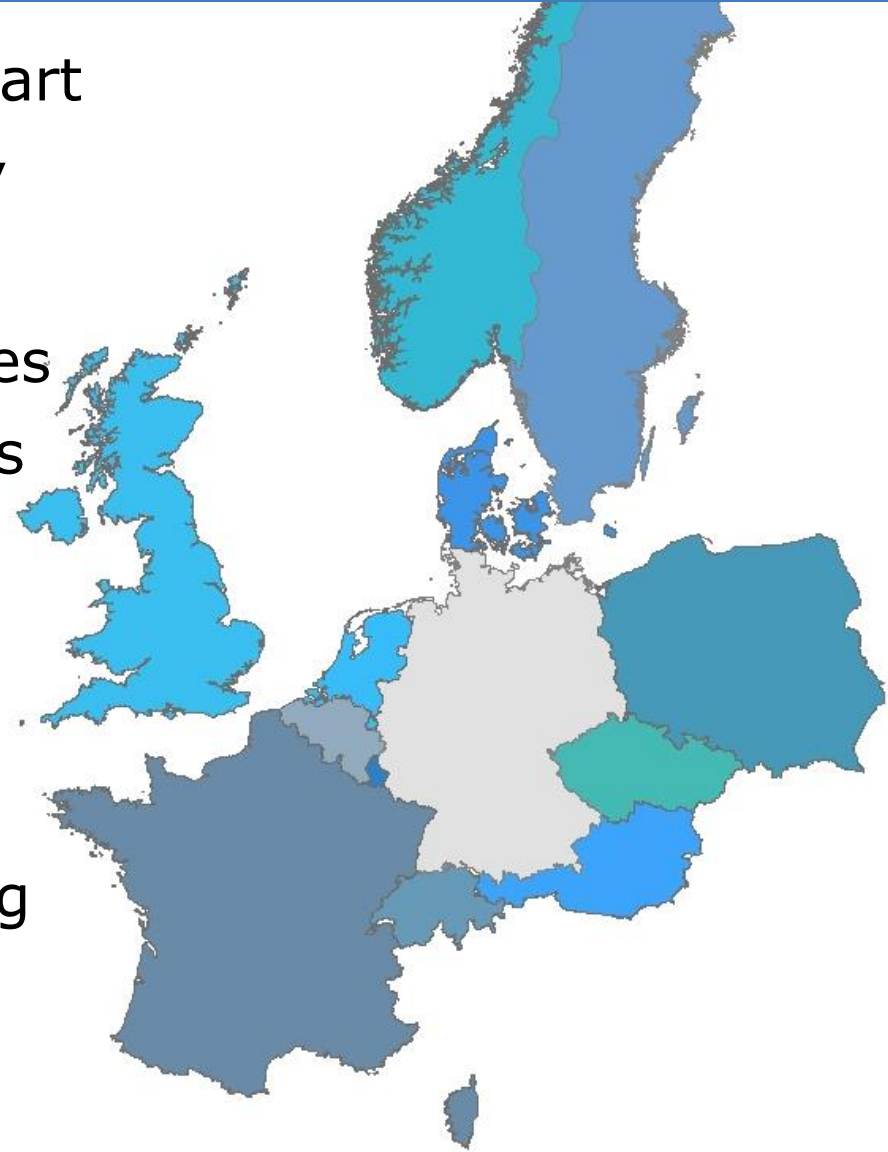


	<b>NDP 2013</b>	<b>NDP 2015</b>
Participation period	06.09.2012 to 02.11.2012	27.02.2015 to 15.05.2015
Amount of comments	3.300 comments	more than 34.000 comments





- Early information: before the start of the participation in Germany, the Federal Network Agency informed the Espoo points of contact of all neighbouring states
- All Parties renounced both times to be notified on the NDP, therefore no further transboundary SEA steps took place
- Notification takes place on the next planning level – the routing procedure (for example A-Nord project)



- The first Federal Requirements Plan Act was adopted in July 2013 and updated in 2015, taking into account the outcome of the participation process and the environmental report respectively.
- In September 2015 the documents were made publicly available on the website [www.netzausbau.de](http://www.netzausbau.de) jointly with a Summarized Statement.
- The authorities, NGO's and stakeholders were informed individually and received the final documents in a digital or printed version, including the summary.





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# Thank you for your attention

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