



Federal Ministry  
for Economic Affairs  
and Energy

# *2017 Amendment of the Renewable Energy Sources Act*

## Implementation of Auction Schemes

Division “Renewable Energy in the Electricity Sector“  
Federal Ministry for Economic Affairs and Energy

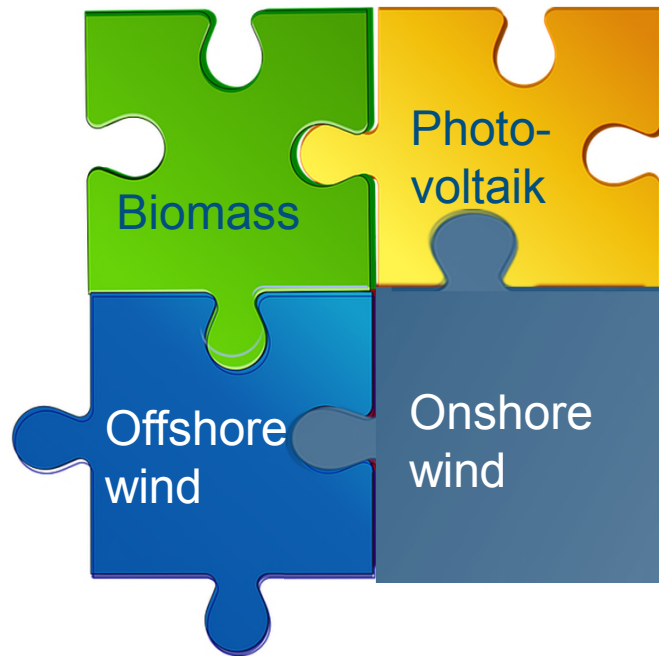
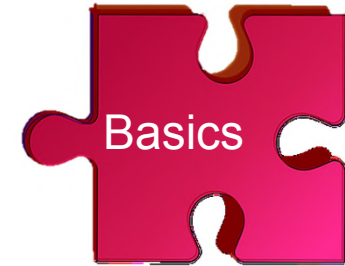


# Auction scheme and results

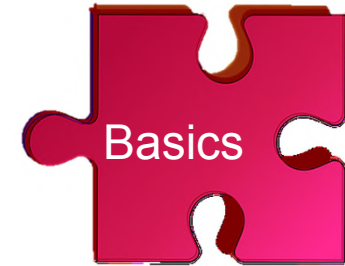




## Auction scheme



Revision of EEG 2017 -  
Technology specific auctions



- Restraining factor: restricted auctioned volume
- Awarding procedure: only price is decisive
- Bids on floating market premium (ct/kWh)
- Pay as bid

### Exemptions:

- installations  $\leq 750$  kW and new installations using biomass  $\leq 150$  kW
- pilot wind energy plants (125 MW/year)
- hydro and geothermal power plants



## Auction scheme



Technology	Month	Year	Volume/MW	Total amount
Wind	May	2017	800	2.800 MW
Wind	August	2017	1.000	
Wind	November	2017	1.000	
Wind	February	2018, 2019	700	2.800 MW
Wind	May	2018, 2019	700	
Wind	August	2018, 2019	700	
Wind	October	2018, 2019	700	

From 2020: 2.900 MW



## Auction scheme



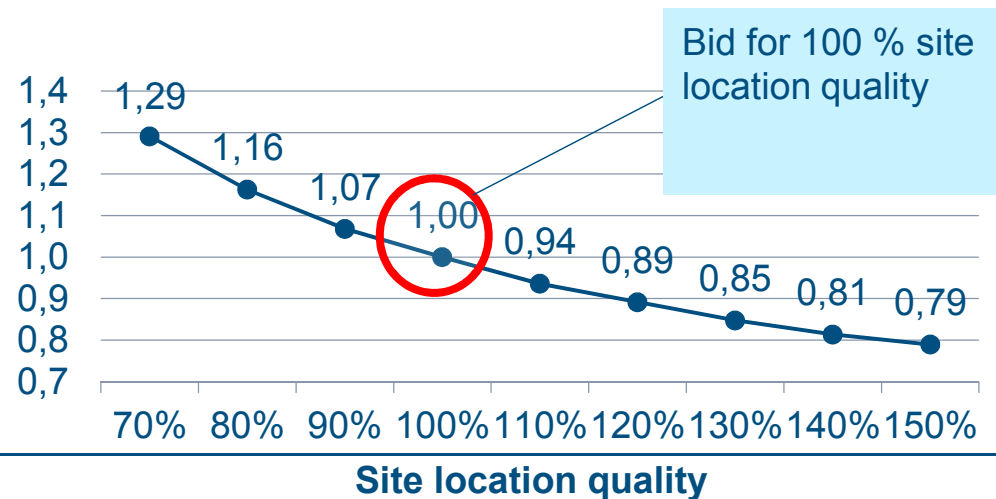
- 
- Prequalification: Approval pursuant to Federal Immission Control Act
  - Bid bond: 30 €/kW or bank guarantee
  - Realisation period: 30 Months
  - Maximum price: 7 ct/kWh at 100% quality site  
as pf 2018: average plus 8 %
  - Side-related: Awarded bid tied to an approved plant

Exemption:  
Citizens' energy projects



## Reference Revenue Model:

- A uniform feed-in tariff lasting 20 years is determined by competition
- This simplifies the system + direct cost-cutting effect
- Comparable competitive conditions are established nation-wide
- New installations will be built on a nation-wide basis and incentives to build efficient installations at windier sites will be provided:





## Stakeholder diversity



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- Special rules for citizens' energy projects:
    - 10 private individuals with the majority of voting rights by local residents
    - No shareholder may hold more than 10 % of the voting rights
    - Max. of 6 installations and 18 MW
    - Municipalities up to 10 % of the investment
    - Extension of the realisation deadline by up to 2 years (54 months)





## Auction scheme Wind onshore - Results

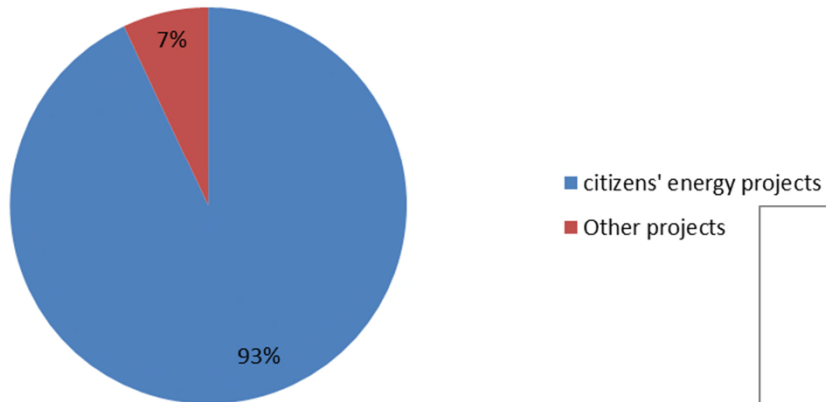
Auction deadline	May 2017	August 2017
Tendered volume	800 MW	1.000 MW
Bids in total	256	281
Volume (bids)	2.137 MW	2.927 MW
lowest price (bids)	4,2 ct/kWh	3,50 ct/kWh
Highest price (bids)	7,0 ct/kWh	6,45 ct/kWh
Awarded (bids)	70	67
Volume (awarded)	807 MW	1.013 MW
lowest price (awarded)	4,20 ct/kWh	3,50 ct/kWh
Highest price (awarded)	5,78 ct/kWh	4,29 ct/kWh
Average price (awarded)	5,71 ct/kWh	4,28 ct/kWh



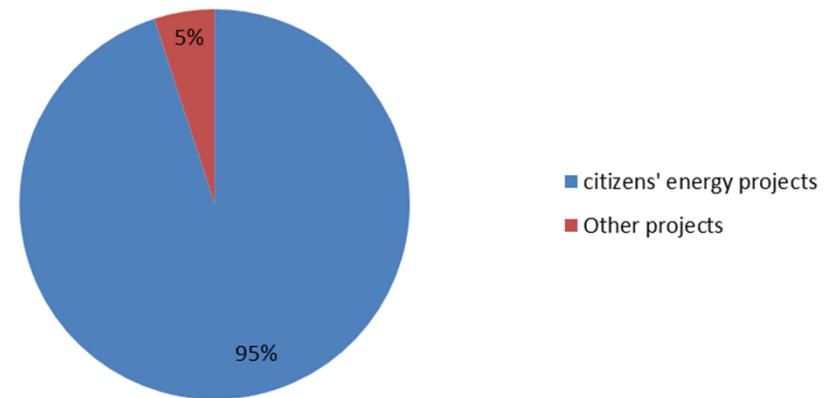
# Auction scheme Wind onshore - Results



**The share of citizens' energy projects on the awards May 2017**



**The share of citizens' energy projects on the awards August 2017**





# Auction scheme Wind onshore - Results

Wind  
onshore

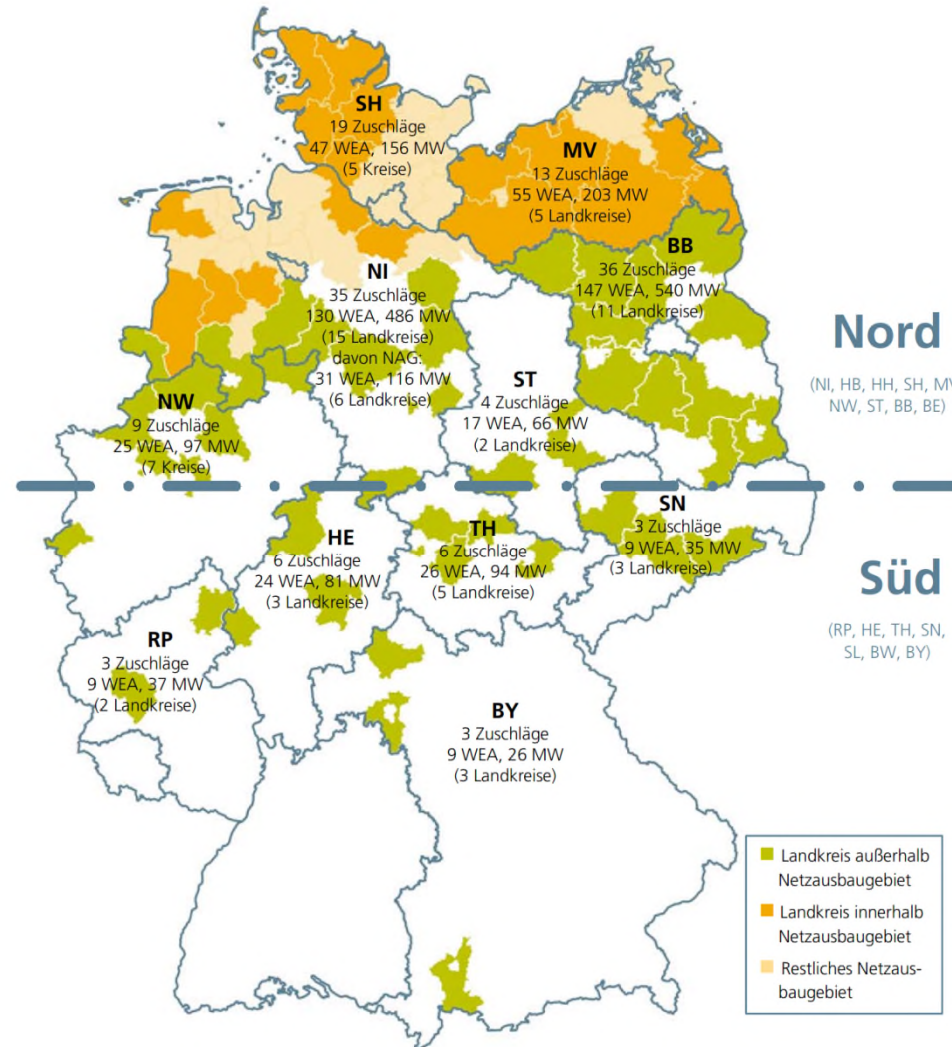


Abbildung 4: Regionale Verteilung der Zuschläge der ersten beiden Ausschreibungen im Jahr 2017; FA Wind auf Datenbasis BNetzA; Karte auf Basis © GeoBasis-DE / BKG 2015 (Daten verändert)