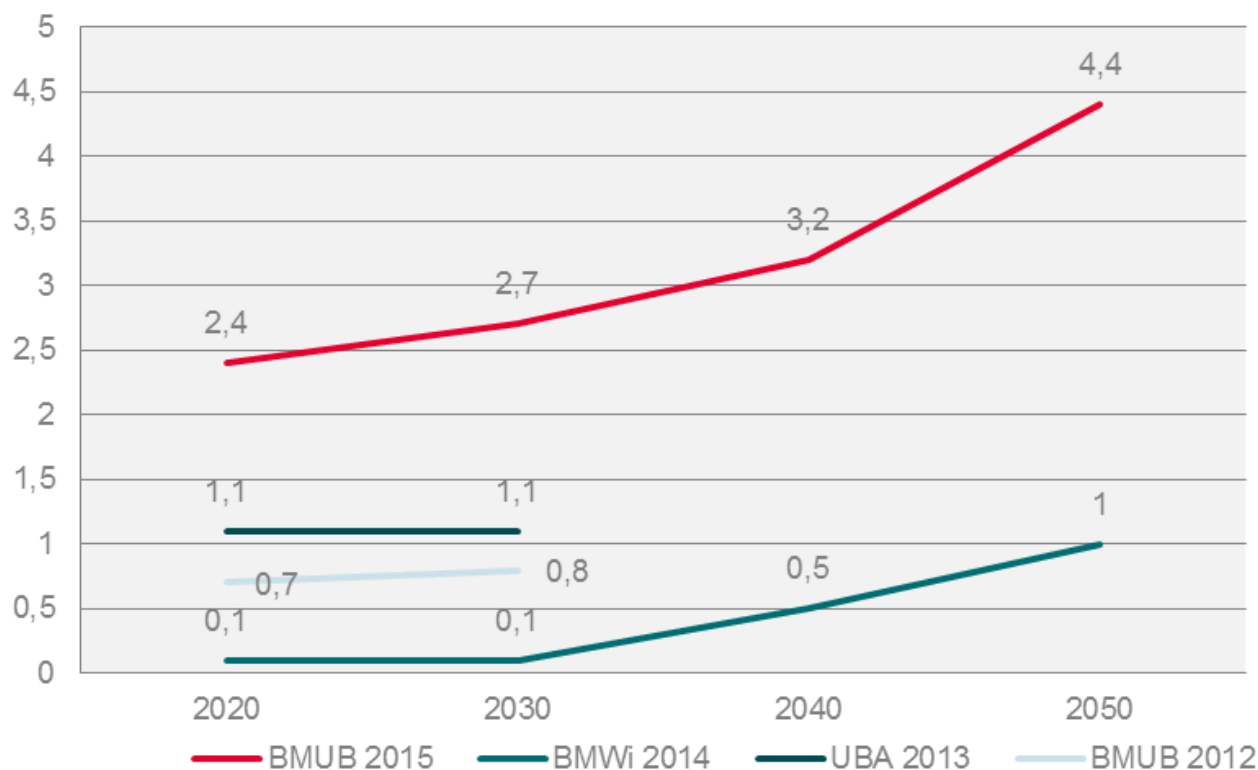


The economic impact of Renewables: Practical experience in Brandenburg and economic modelling results

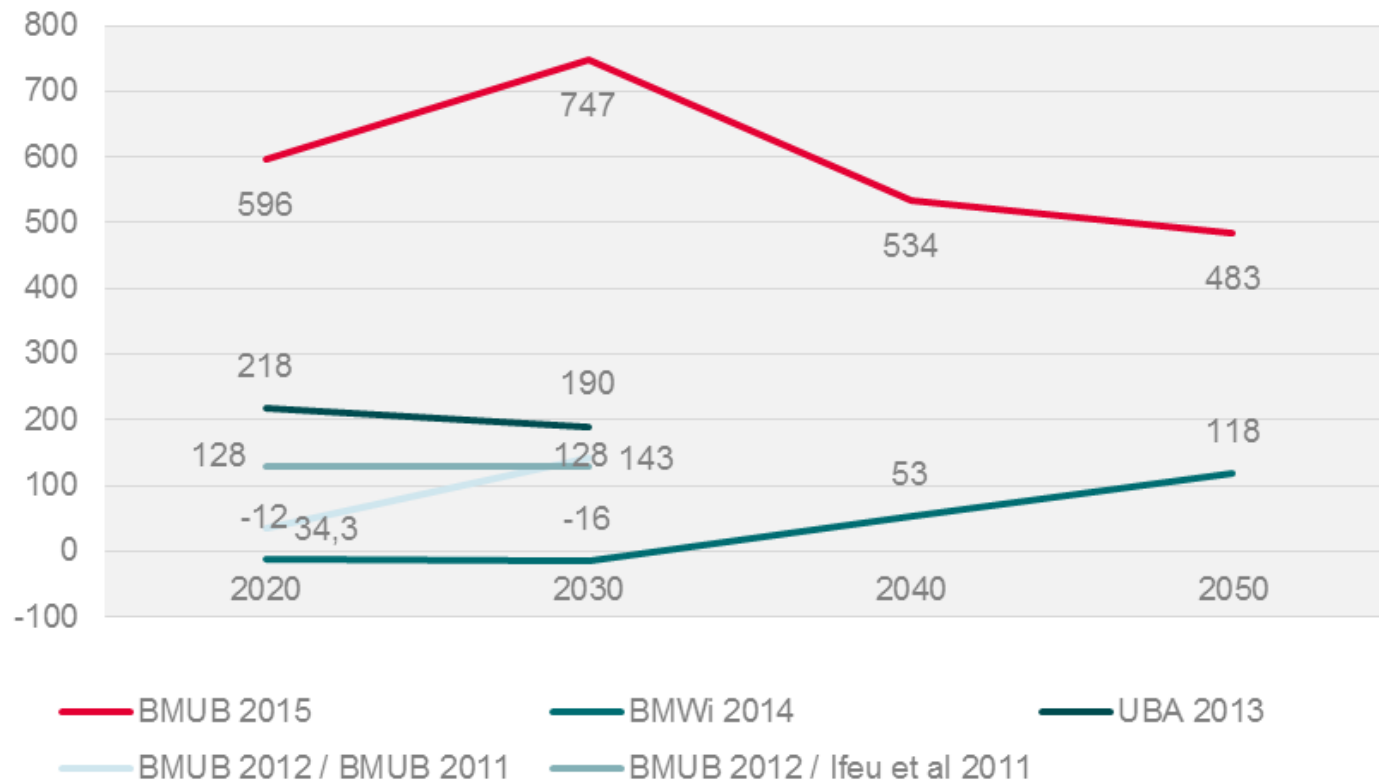
*Energy Transition: The New Paradigm
EU-Russia Energy and Climate Conference*

Moscow, 29 June 2017

Additional GDP growth in scenarios of the German Energy Transition (Energiewende)



Effects of scenarios on net employment (absolute change in 1,000)



What triggers economic effects?

- Investment from **production** of the new installed wind energy (WE) turbines

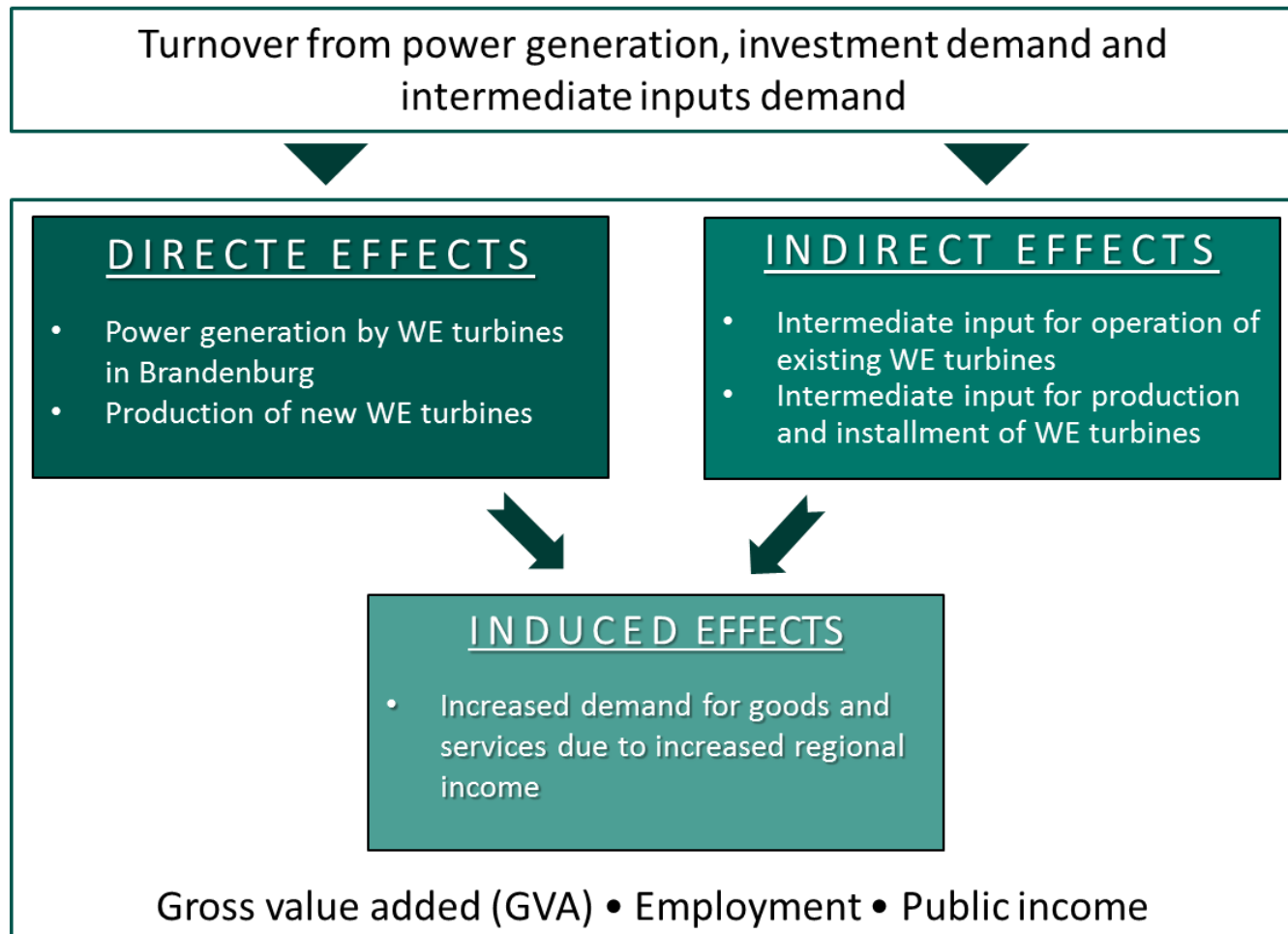
Share of the region Brandenburg for the - 498.2 MW installed in 2014 - about 358 million Euro

- Effect resulting from the **operation** of already existing WE turbines

2014: Brandenburg WE turbines generated about 7,867 GWh and a return of 820 million Euro

Such an approach is necessary, because the WE sector is not a sector according the sectoral classification of the Federal Statistics Agency (information cannot be detected from official statistics).

Structure of effects



Where is Brandenburg?



Surface: 29,654.16 km²

Population 2015: 2.484 mln.

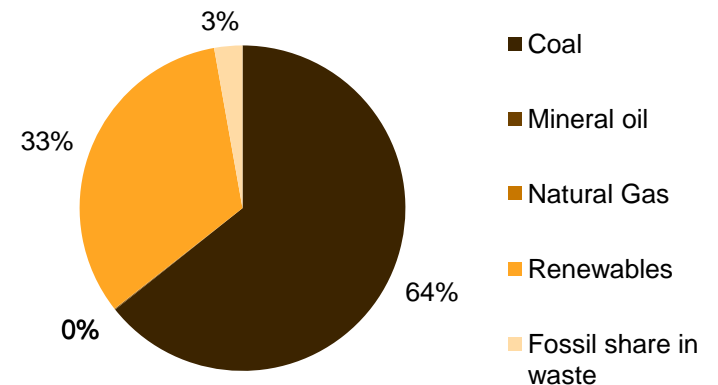
GDP 2016: 68.5 bn. Euro

Unemployment rate April 2017: 7.1 %

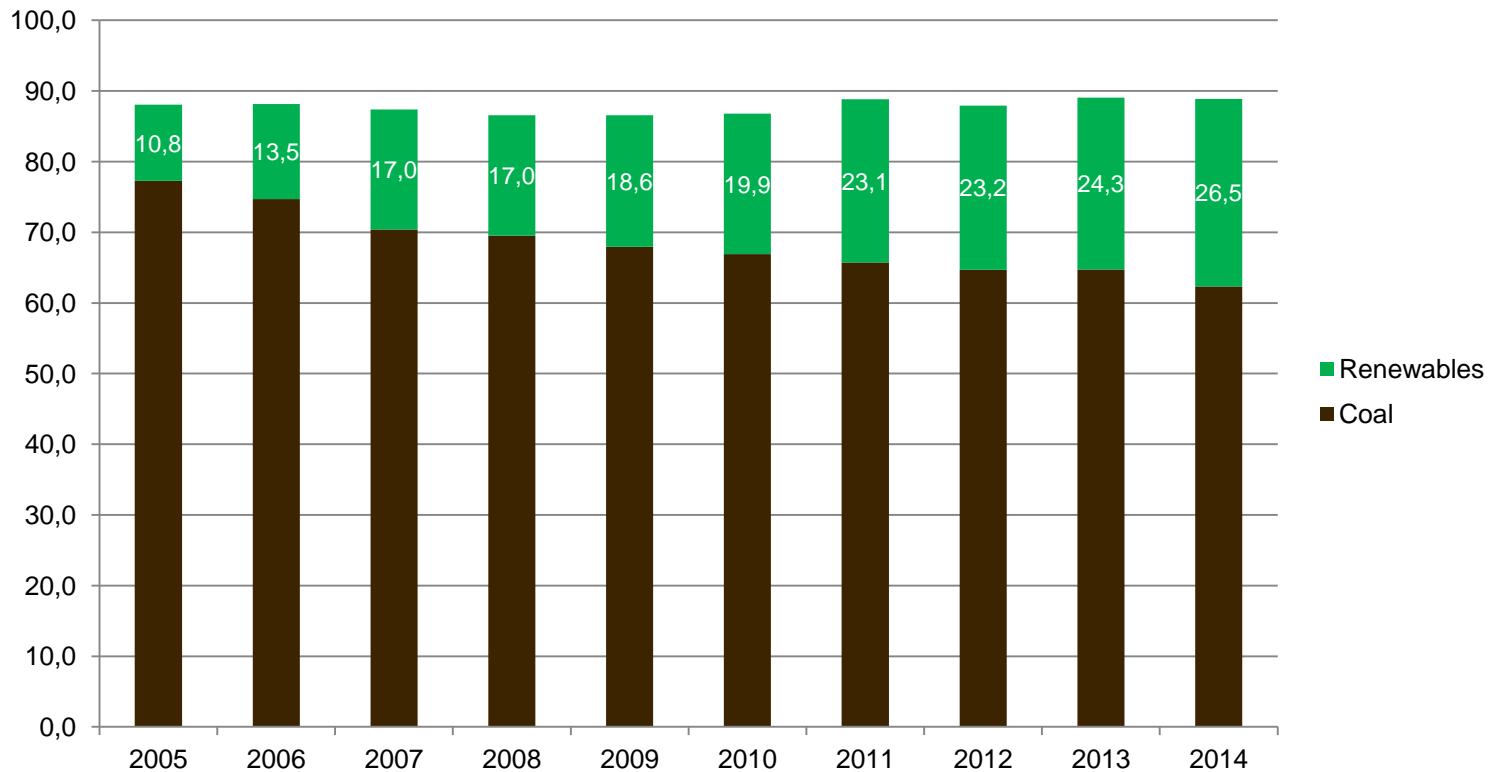
Capital: Potsdam

Berlin

Primary energy generation 2014 (%)



Structure of power generation in Brandenburg (%)

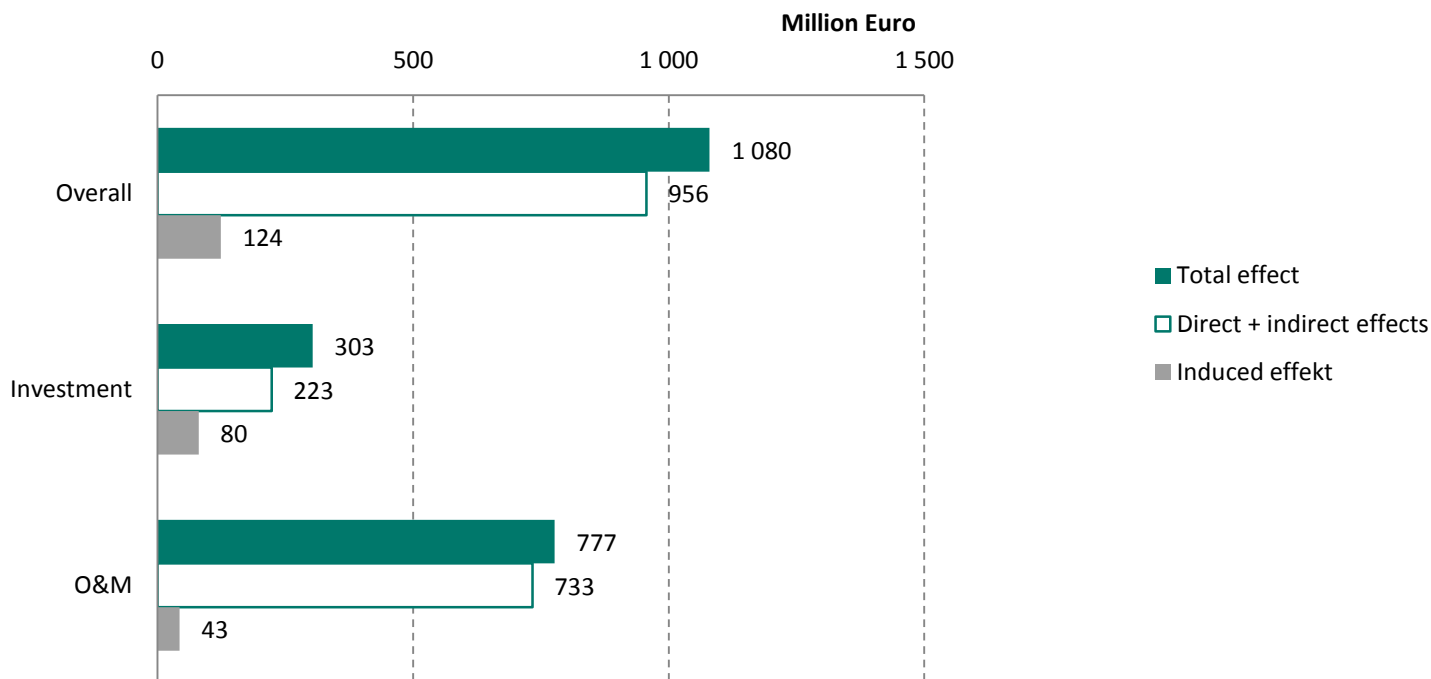


Installed wind power 2016: **6.34 GW**

GVA of wind energy in Brandenburg 2014

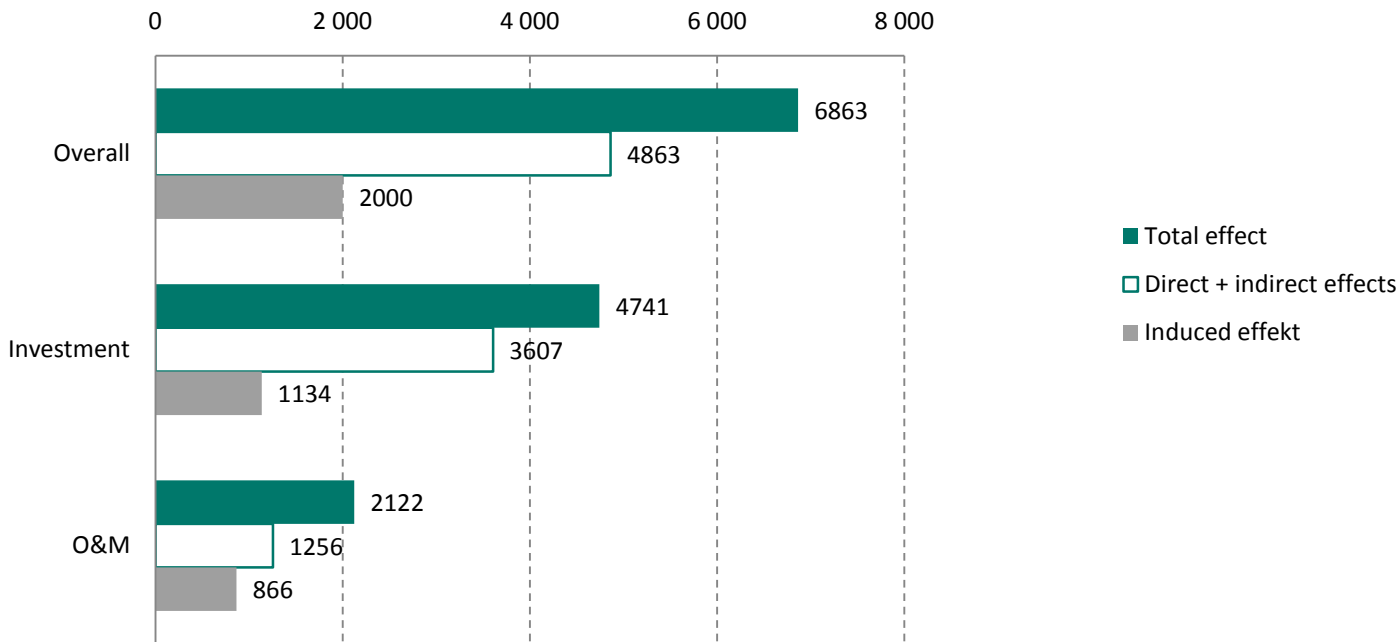
New installed capacity 2014: 498.2 MW

Total installed capacity 2014: 5.456 GW



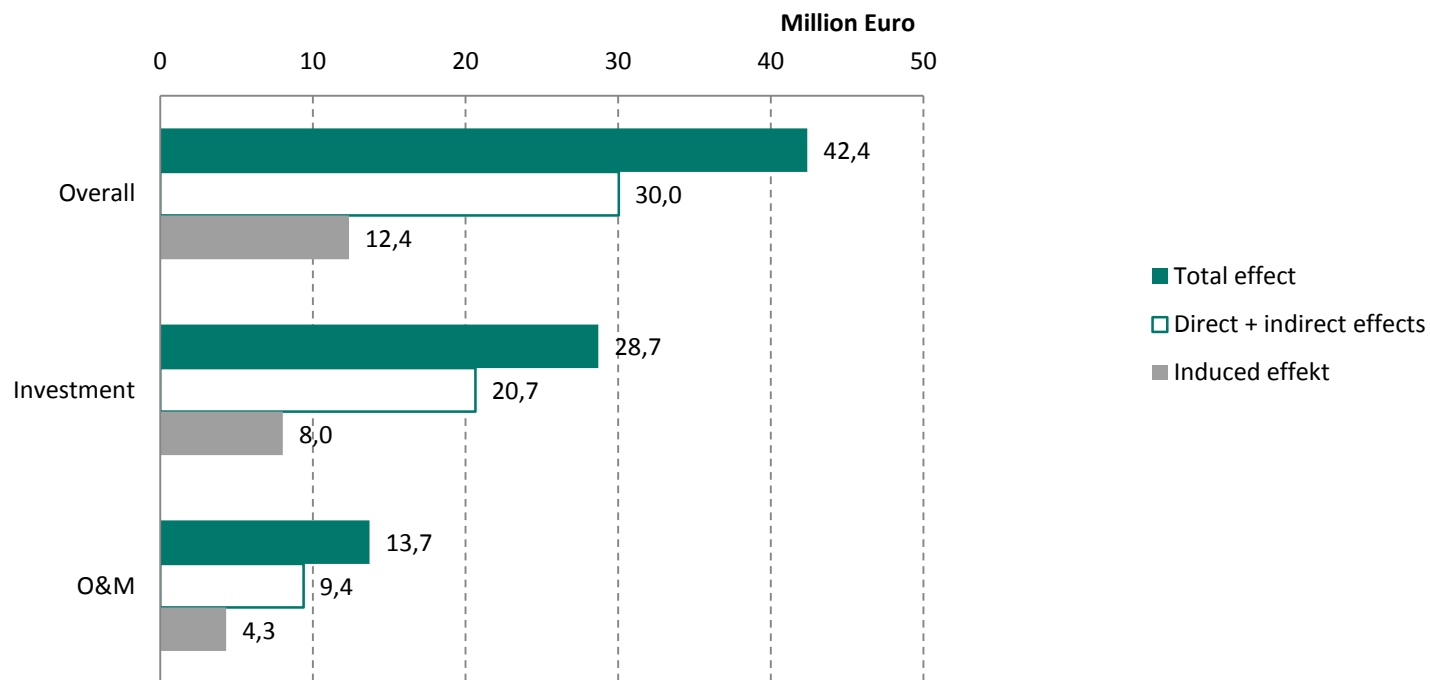
Source: DIW Econ, 2016

Employment created by wind energy in Brandenburg 2014



Source: DIW Econ, 2016

Public income from wind energy in Brandenburg 2014



Source: DIW Econ, 2016

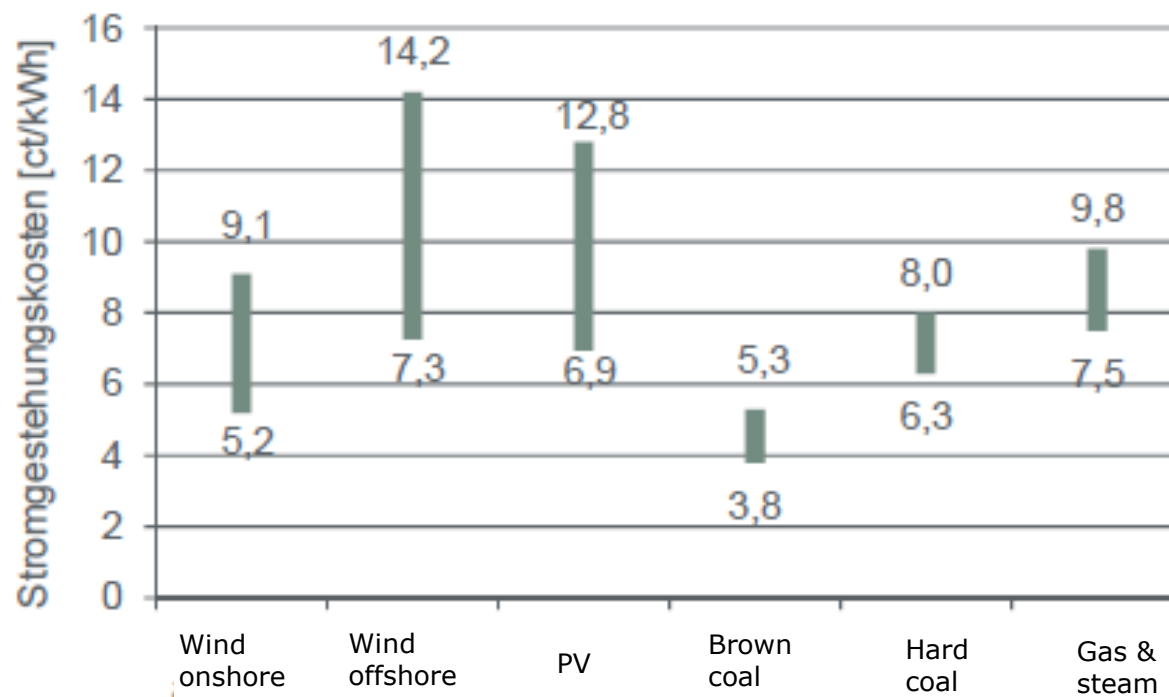
Thank you for your attention!

Contact



Head office: Berlin, Germany, Reg.-No.: HRB 108699 B, Local court: Charlottenburg

Power generation costs in Germany by fuel (EuroCent/kWh)



Source: KfW. <https://www.kfw.de/PDF/Download-Center/Konzernthemen/Research/PDF-Dokumente-Fokus-Volkswirtschaft/Fokus-Nr.-145-Oktober-2016-Kosten-EE-Ausbau.pdf>