

Global Energy Policy Research | GEPR

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?? ?? · Friday, December 30th, 2016

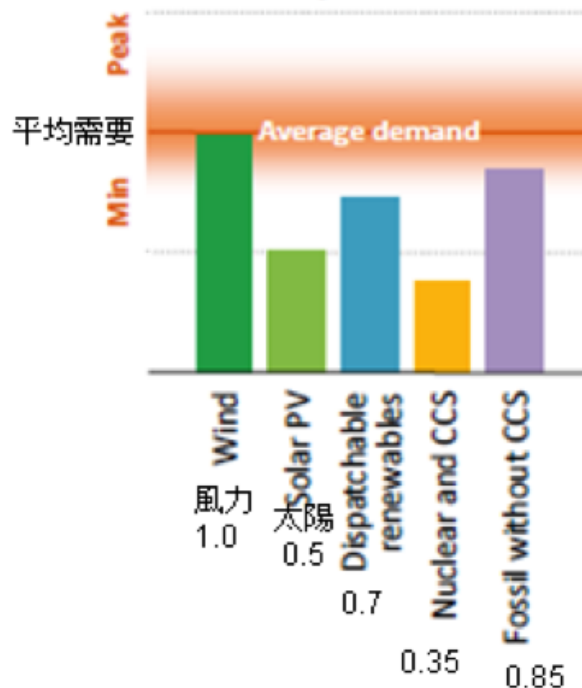
???????

(3) ?

?????kW?????kW?1.5?????
 ?????475?????EU???
 ?????kW?????kW??3.4?????

?4?EU?????

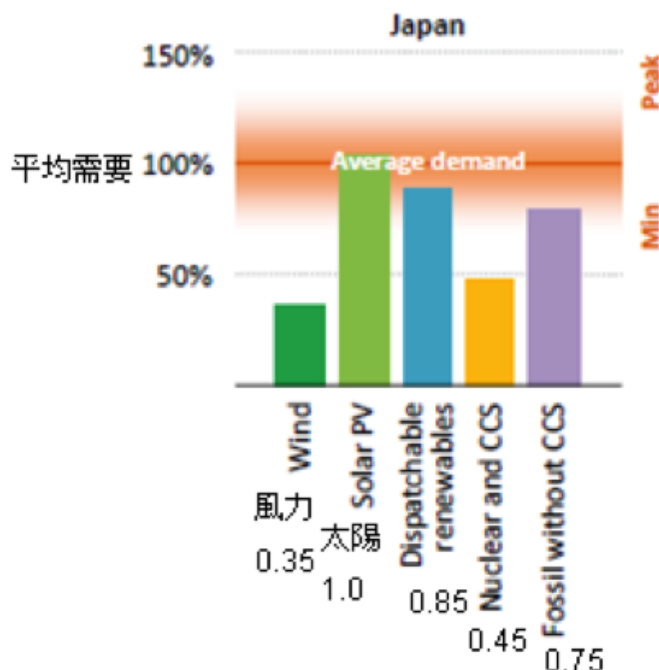
EUの2040年発電設備量 (平均需要kWに対する割合) European Union



??????1.0?????0.5????????????????????????0.7??????CCS?????0.35??CCS?????0.85????????????
????????????????CCS????????????????

?5???????????

日本の2040年発電設備量 (平均需要kWに対する割合)



??????0.35?????1.0????????????????????????0.85??????CCS?????0.45??CCS?????0.75?

??1.5????????????????????????????????
?????3.4??
??
??

?4????????????????????????????

??

????????????????1?5,000?kW?????3??500?kW????????
????????130?kW????????????????????????????????????24????????????????????????????8????450????
????????2????3?8,000?kW????????????????

450??
????????????????Power to Gas????????????????????????????????????

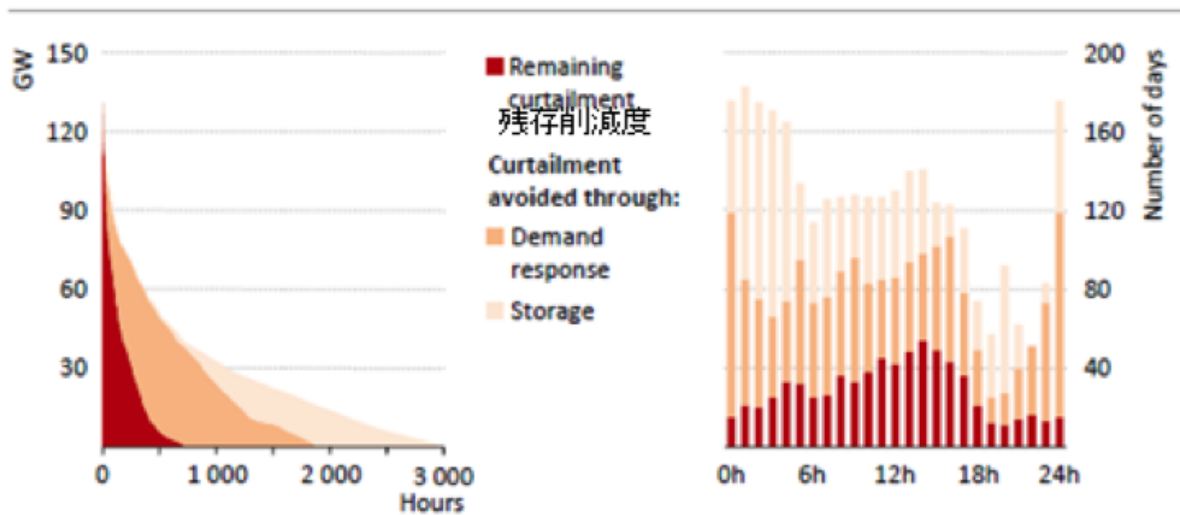
??450????????????????????20????????????????
??1????????????????
??real time pricing????????????????

??
??curtailment????????????6????????????450????????
??450????????
??12????????495????????????????25????????????????
??

????????????????25????????????????????20????????????????????????????????????25????????????????
????????

?6?EU??

蓄電とデマンド・レスポンスによる 貢献度



Demand-side response and storage technologies cut curtailment by around three-quarters in volume and number of hours

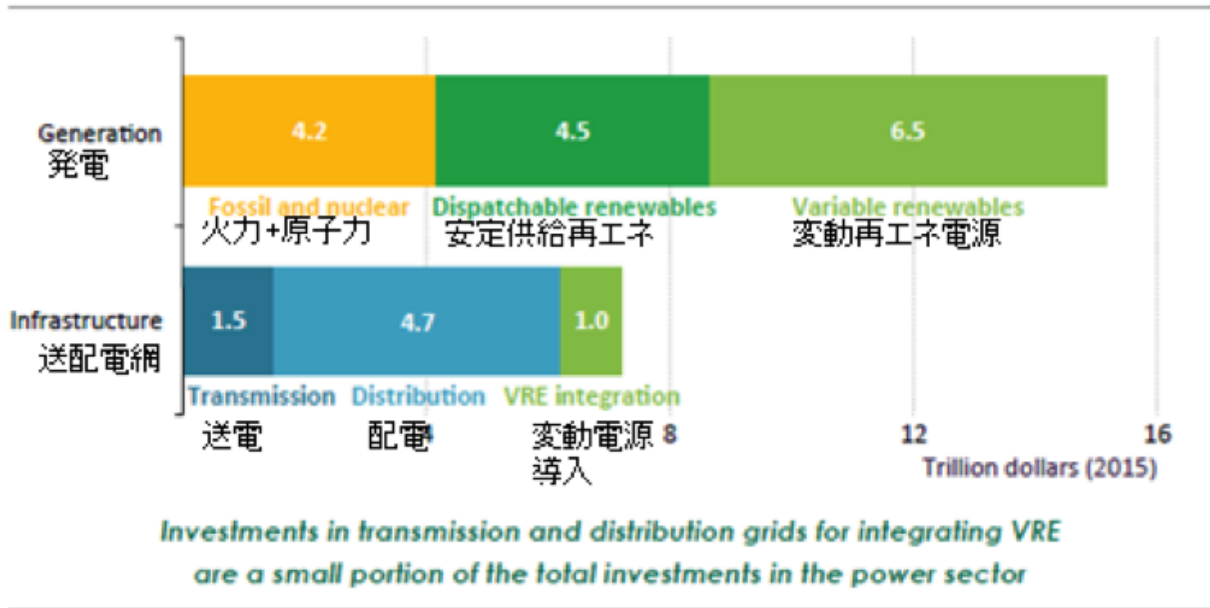
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?5????????????????

????????????????????450?????7.2????830??15.2????1
300????45??
??

?7?450????????????????????

450シナリオにおける新規投資額

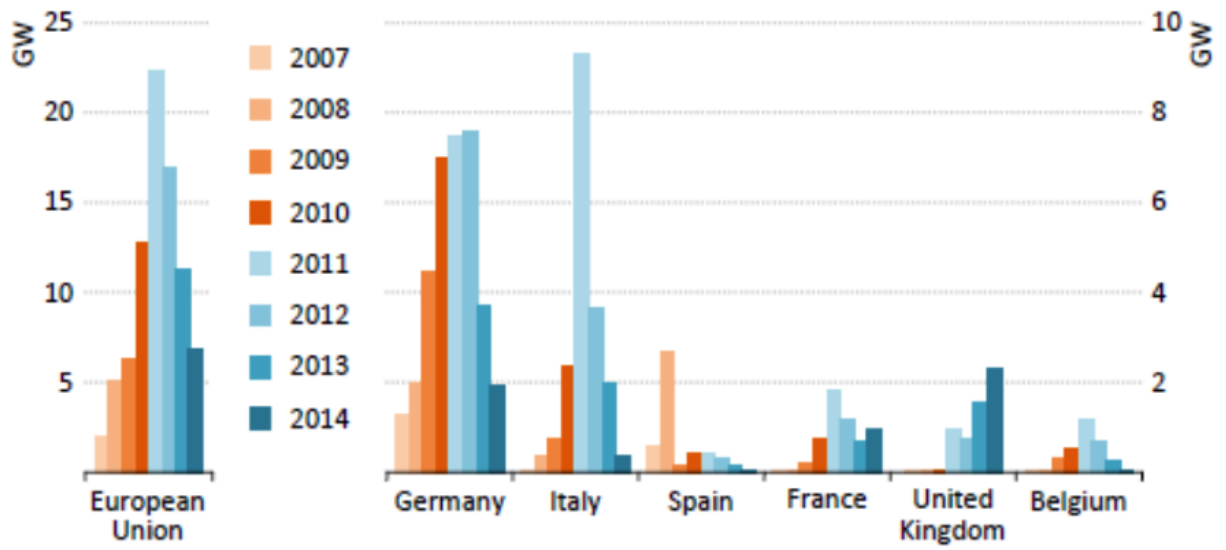


??45????????????????????
 ???CCS????????????????????????????????????
 ???????????????

?6??????????

????????450?????2????????????????????????????????FIT????????????????2040????????????1,700?
 ???20????????450?????2,750????32????????????8????????2030??100??/TCO2?2040??140??/
 TCO2????????????????

?8????????????????????????10????



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