



THE UNIVERSITY of EDINBURGH
School of Engineering

Policy and Innovation Group

ORE Benefits and what are the Policies to enable them?

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Supergen



Offshore
Renewable
Energy

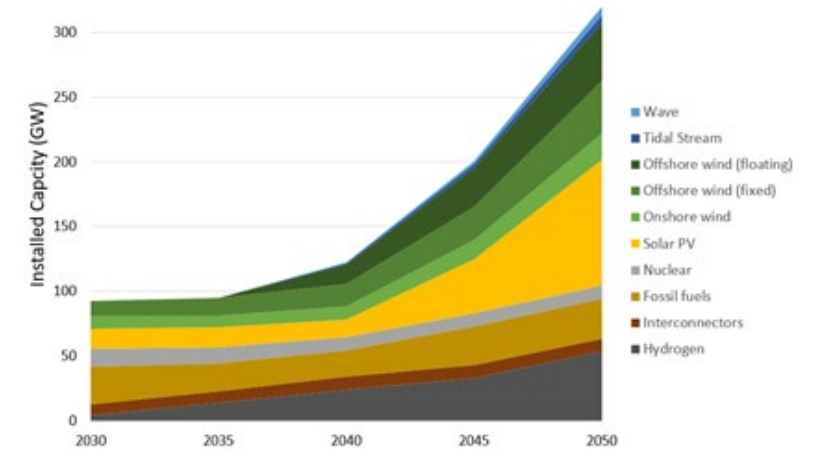


Engineering and
Physical Sciences
Research Council

Socioeconomic and system benefits of ocean energy



- Energy system modelling projects **6.4GW Wave, 6.2GW Tidal Stream, 45GW FoW** by 2050
 - *if SET Plan targets are reached by 2030*
- Resultant GVA to UK economy (2020-2050):
 - **£24.6 bn - £79.6 bn** from global deployments
- Resultant system benefits in 2050:
 - **£1.03bn** annual reduction in cost of dispatch
 - **300 GWh** reduction in fossil fuel dispatch



Policy requirements ?

