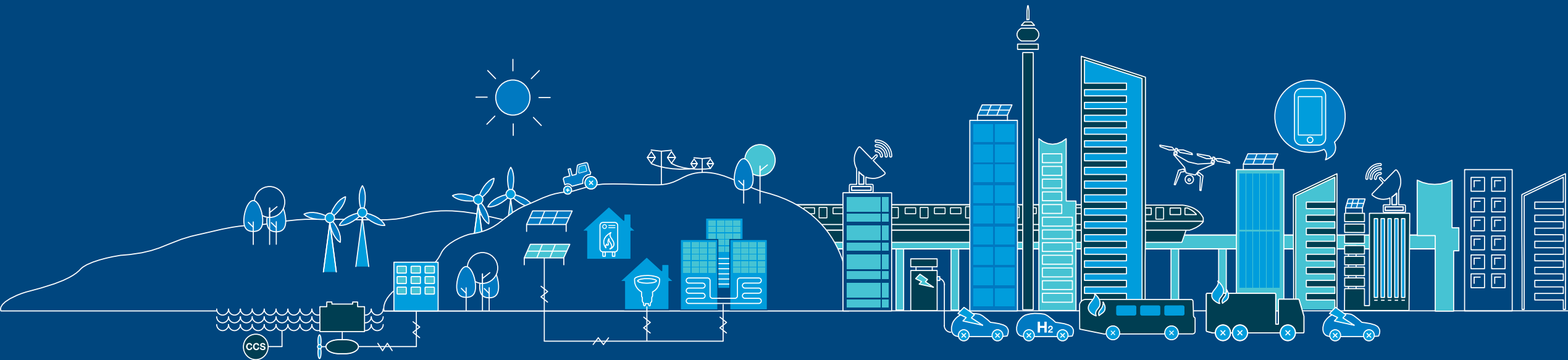




Future Energy Scenarios 2017 – Electricity supply

Rob Nickerson, Senior Electricity Analyst





What we will cover today

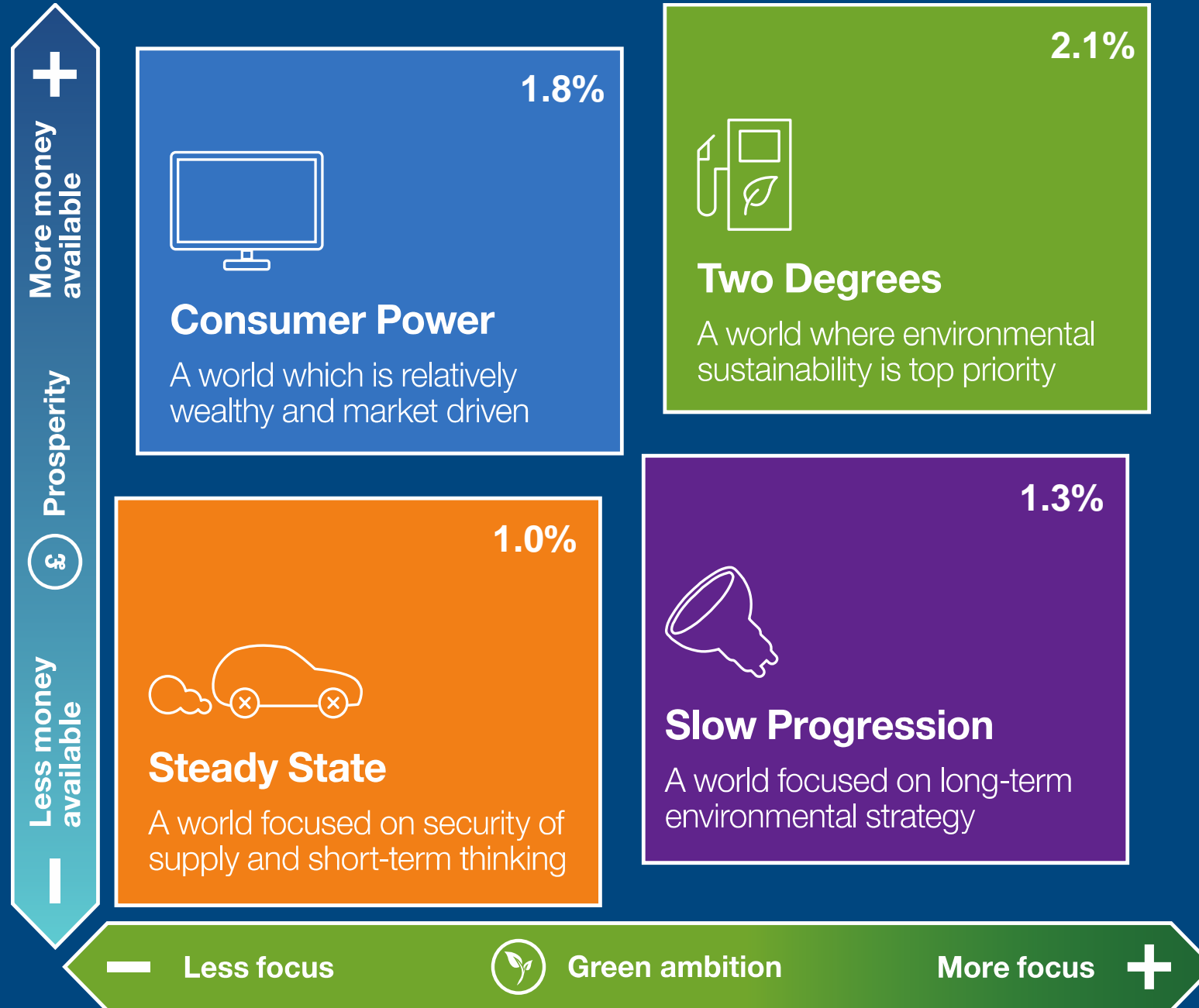
- Our 2017 scenarios
- Changing patterns of electricity supply
- The generation mix
 - Renewable and low carbon generation
- Sources of flexibility
 - Storage, interconnectors and thermal plant
- Future events

Our 2017 scenario matrix

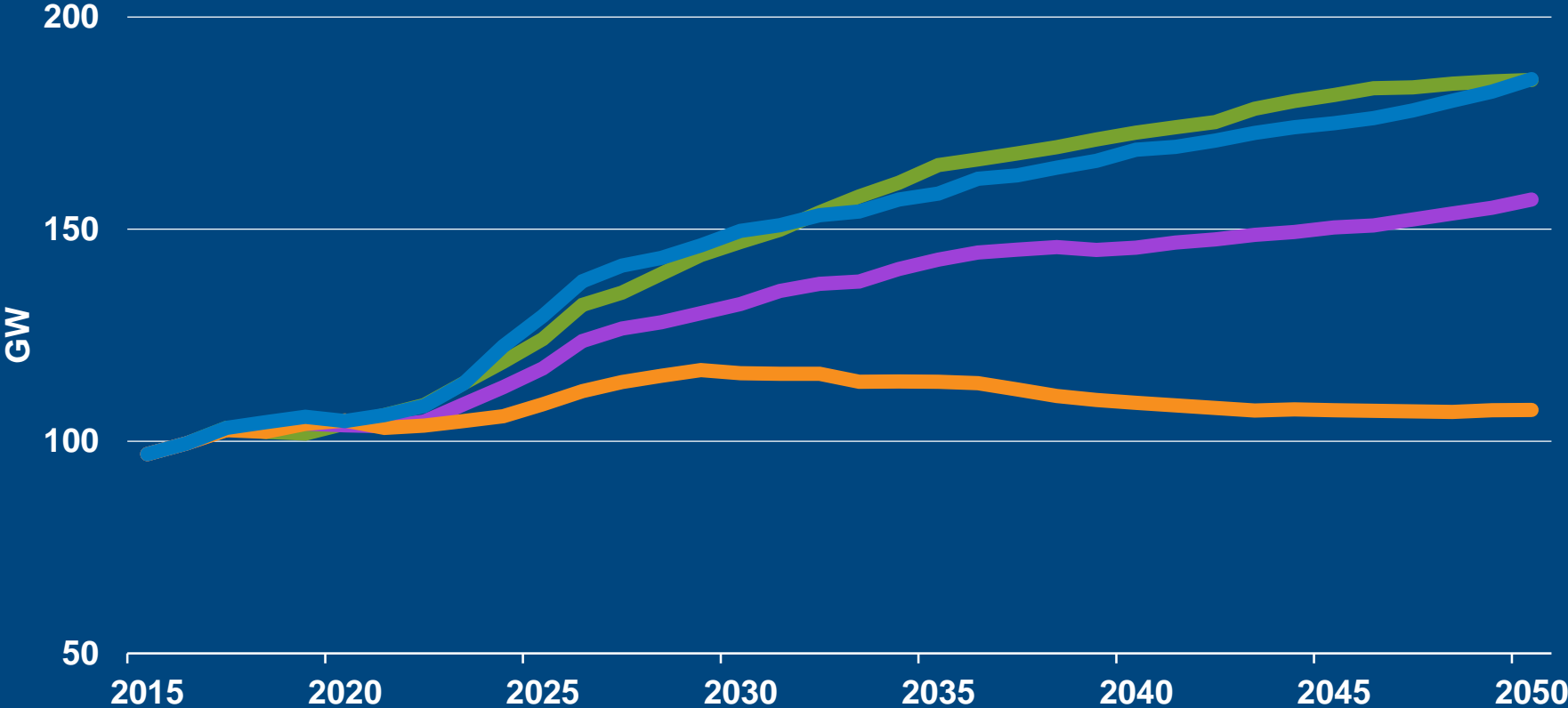
nationalgrid



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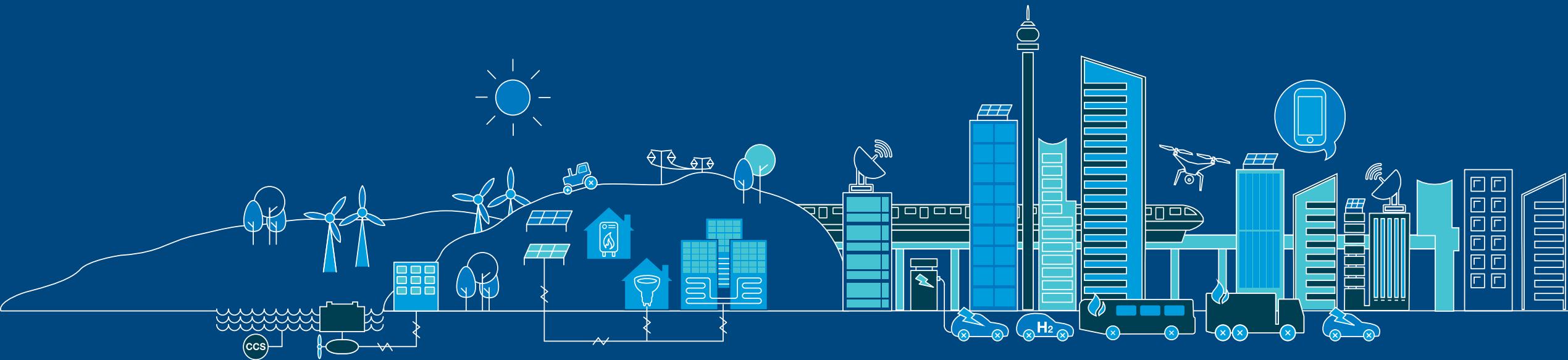
Total Installed Capacity



Two Degrees Slow Progression Steady State Consumer Power

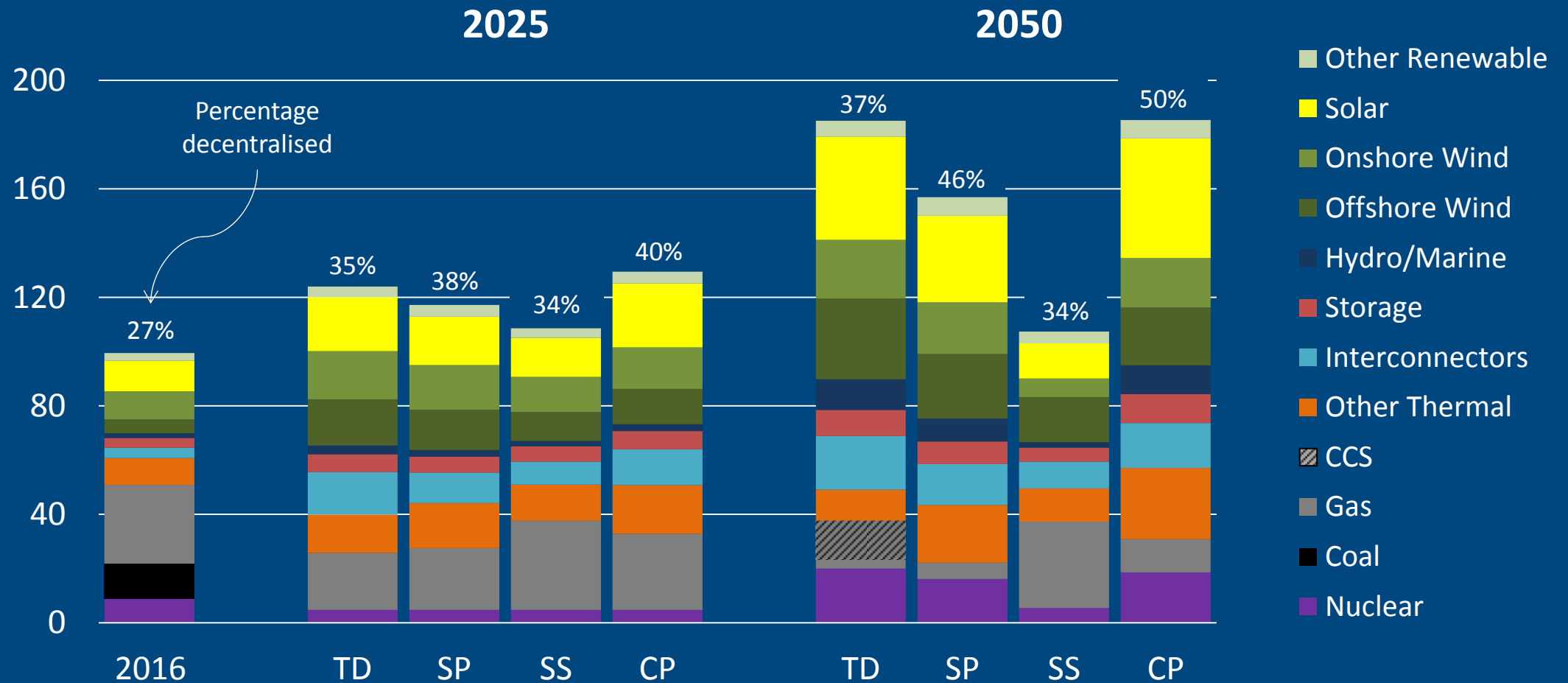


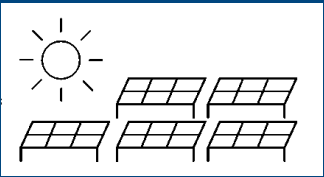
The generation mix



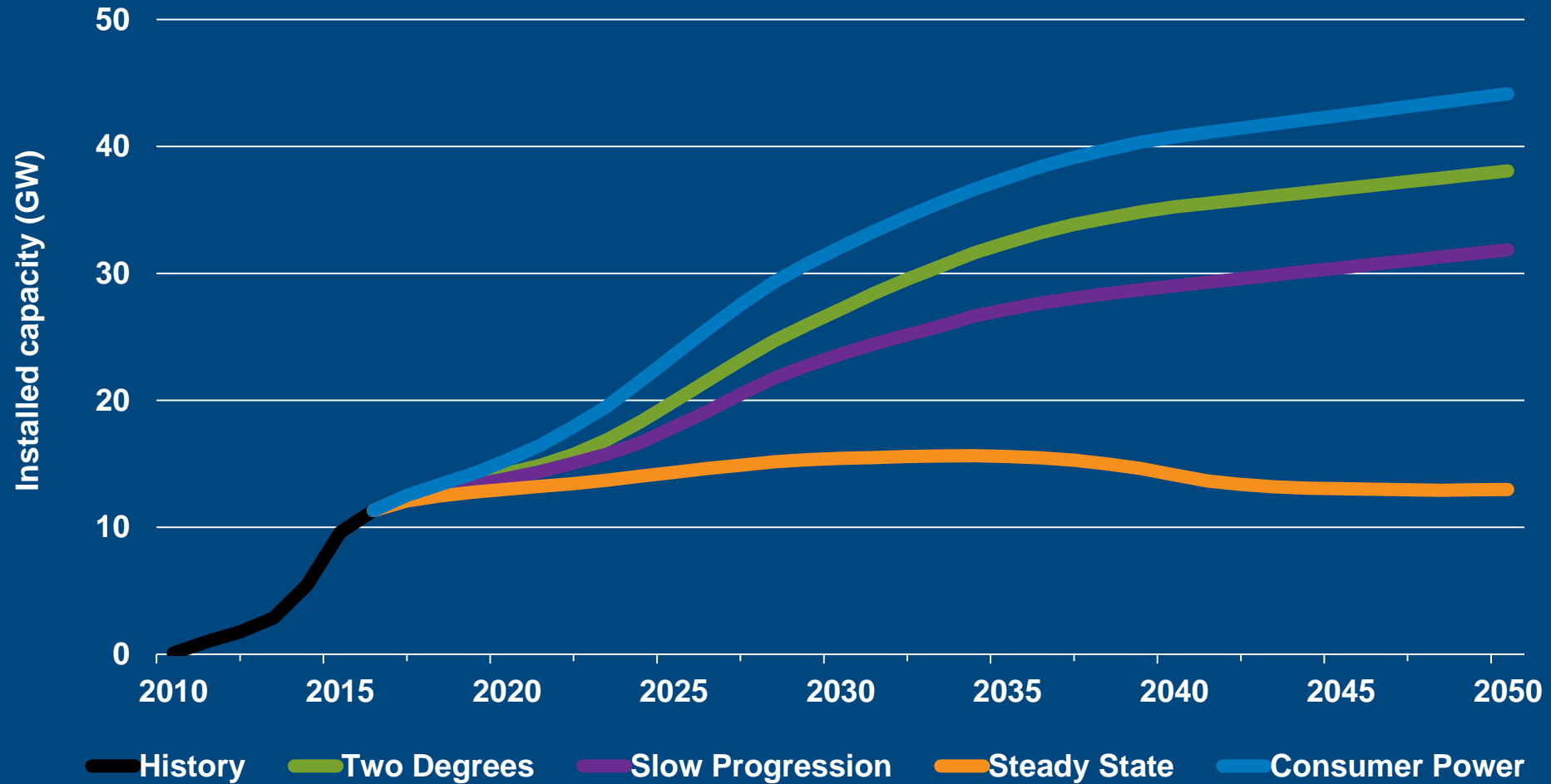


Installed capacities



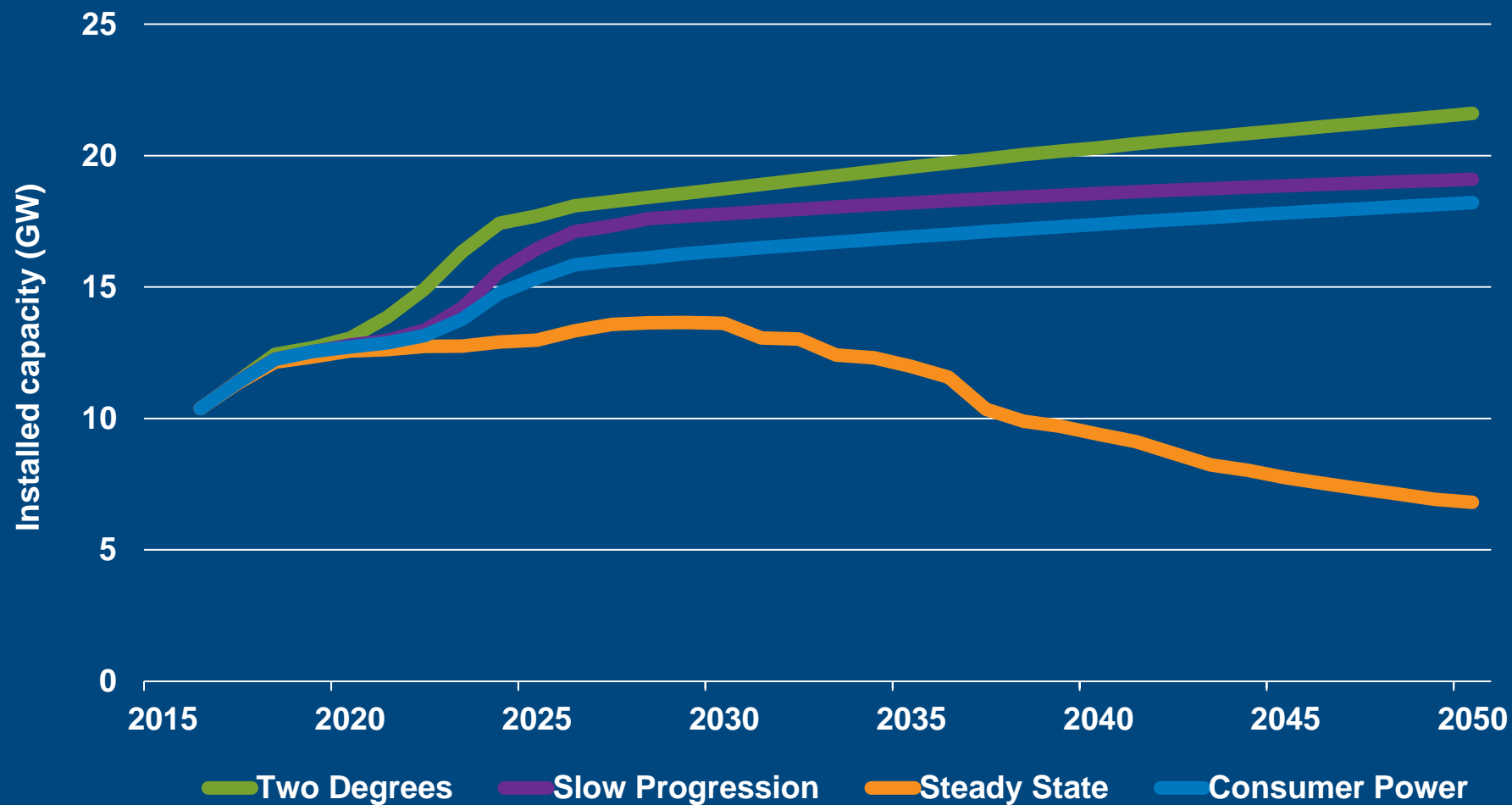


Solar



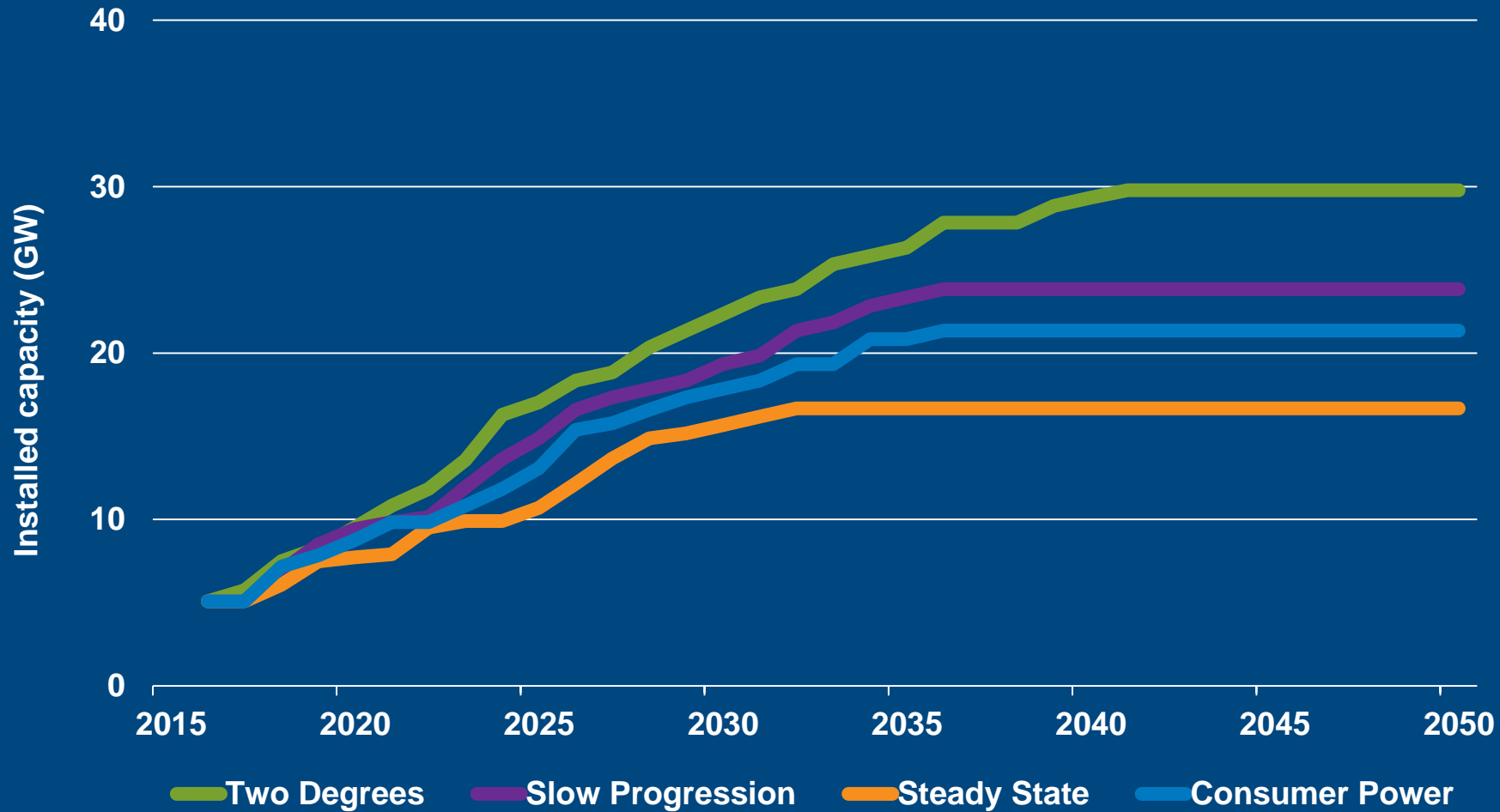


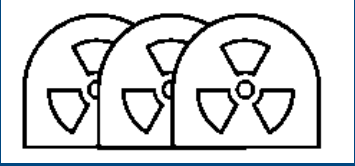
Onshore wind



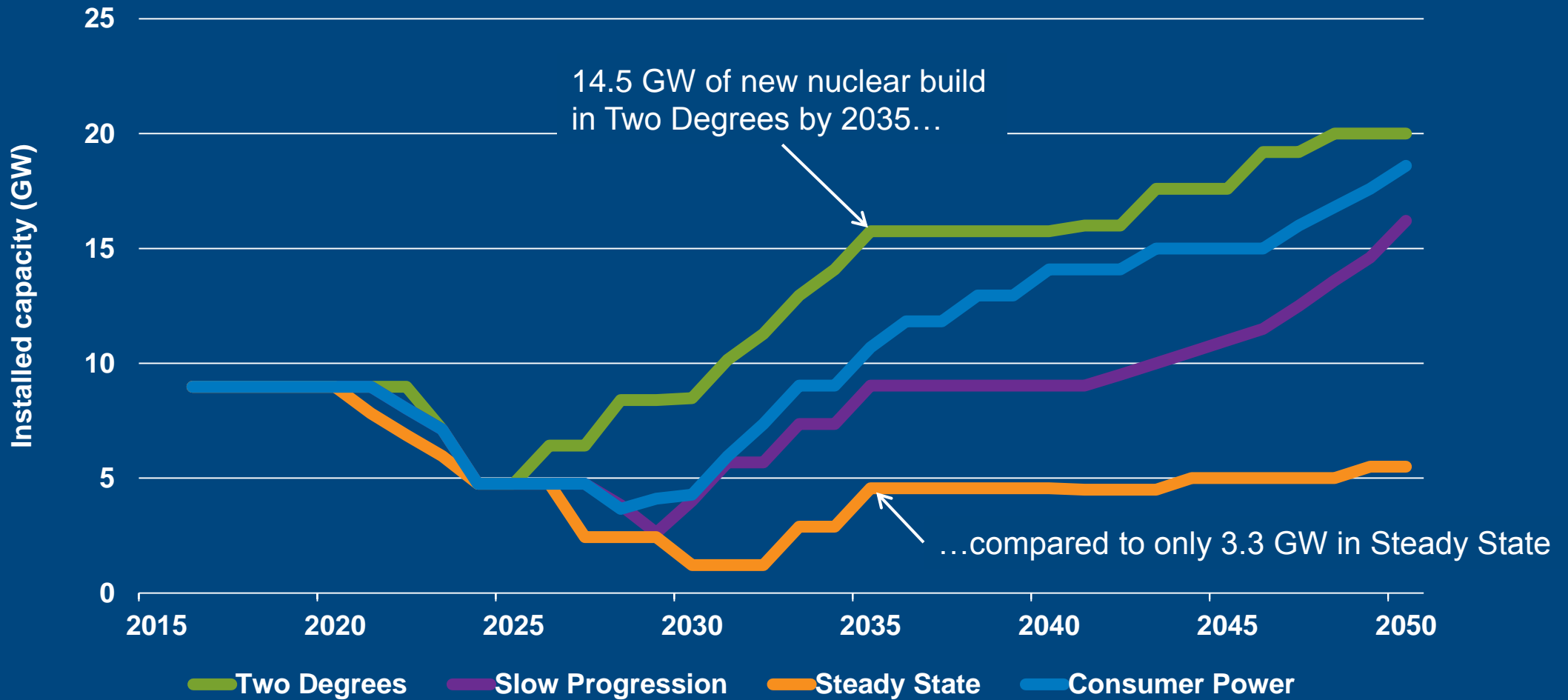


Offshore wind



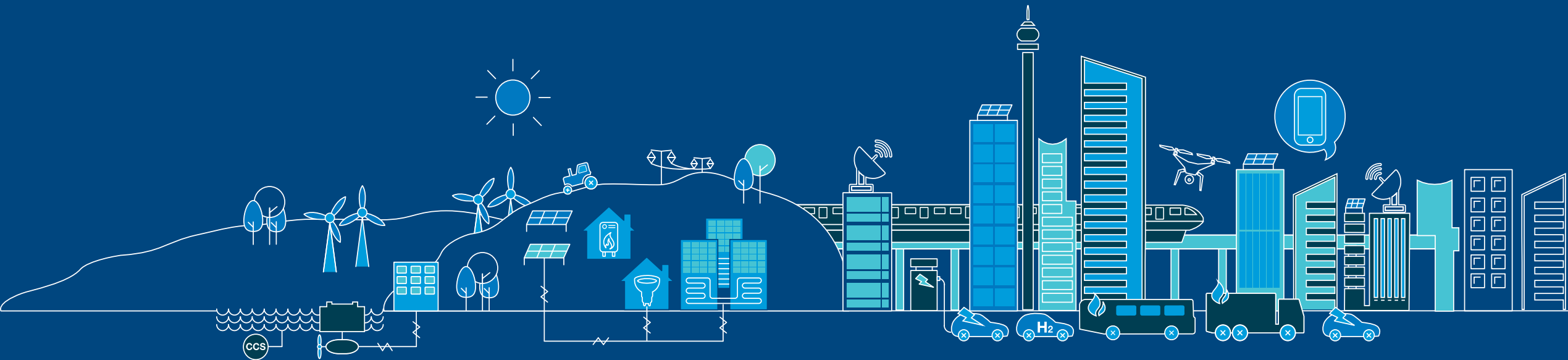


Nuclear



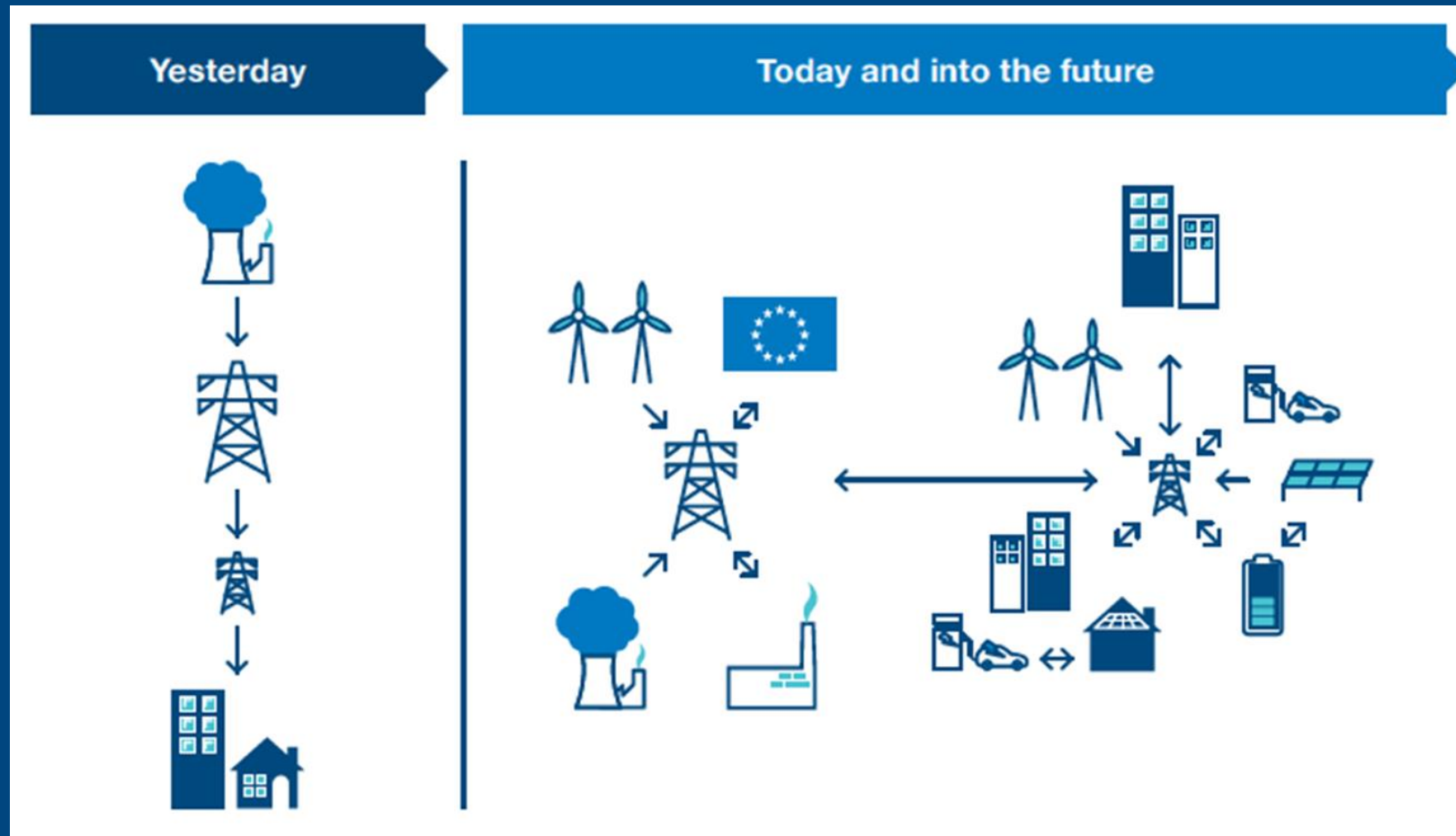


Sources of flexibility





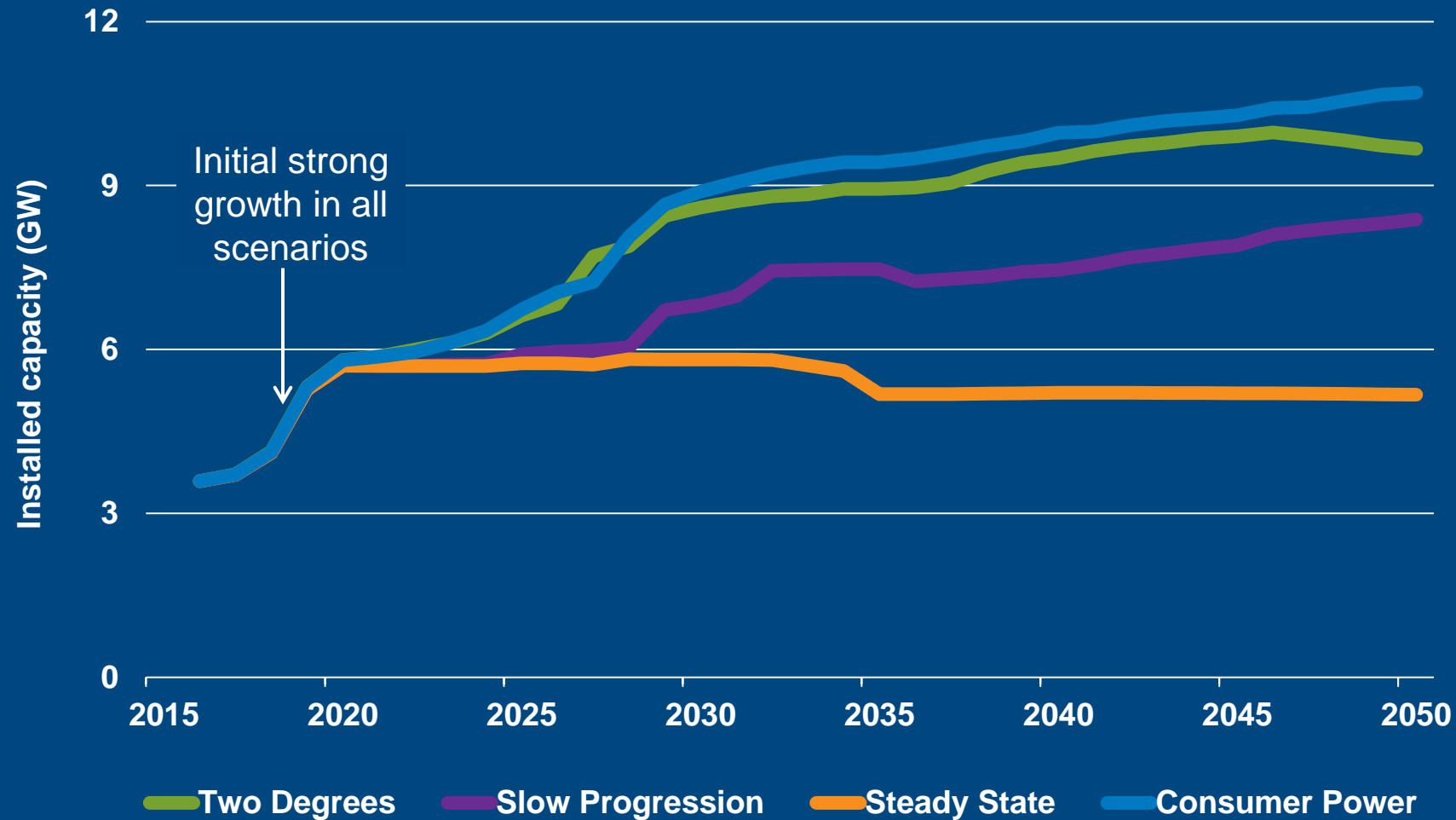
Flexibility



The extent to which electricity supply and demand can be adjusted, up or down, in response to a signal, to maintain a safe, balanced and secure network.

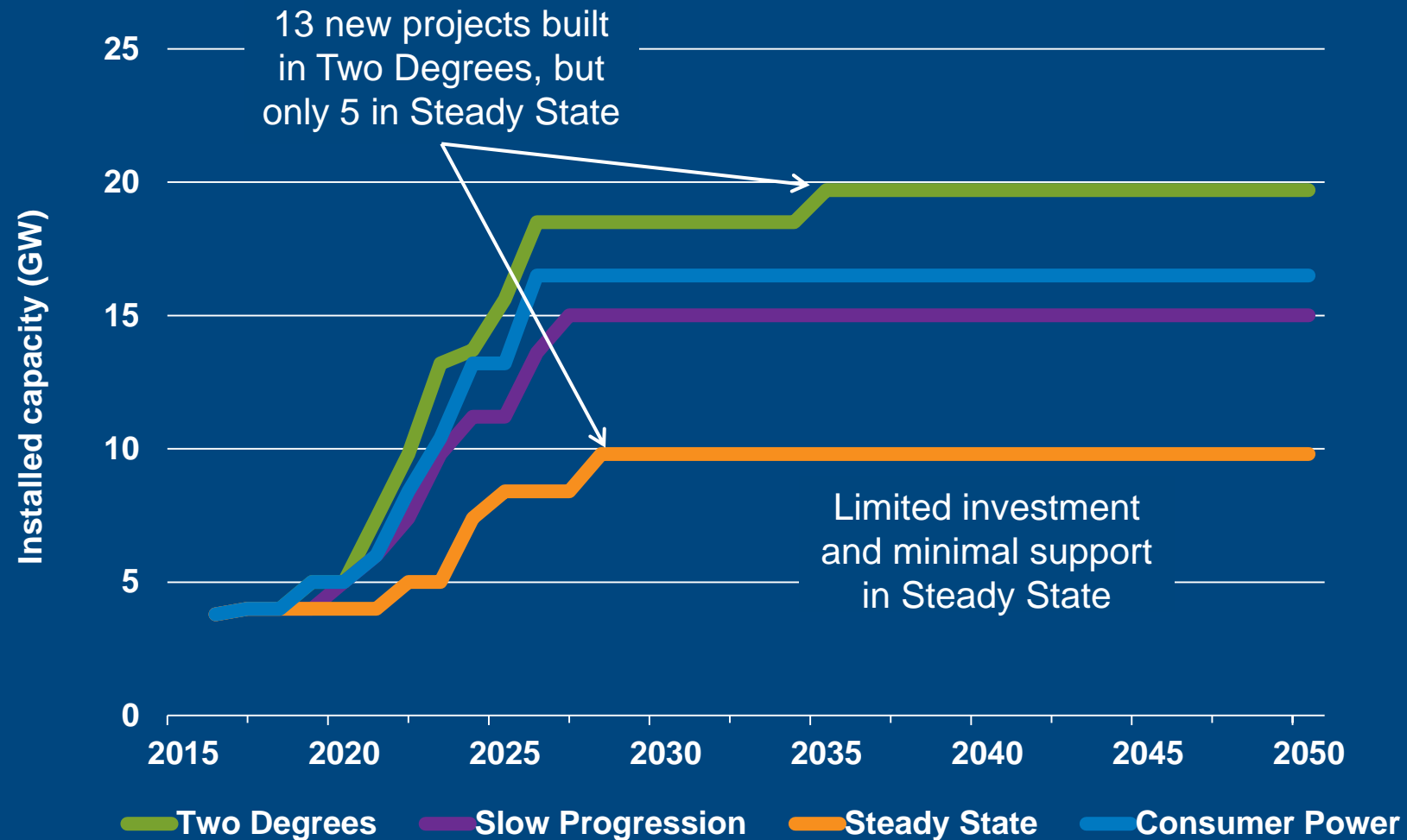


Storage



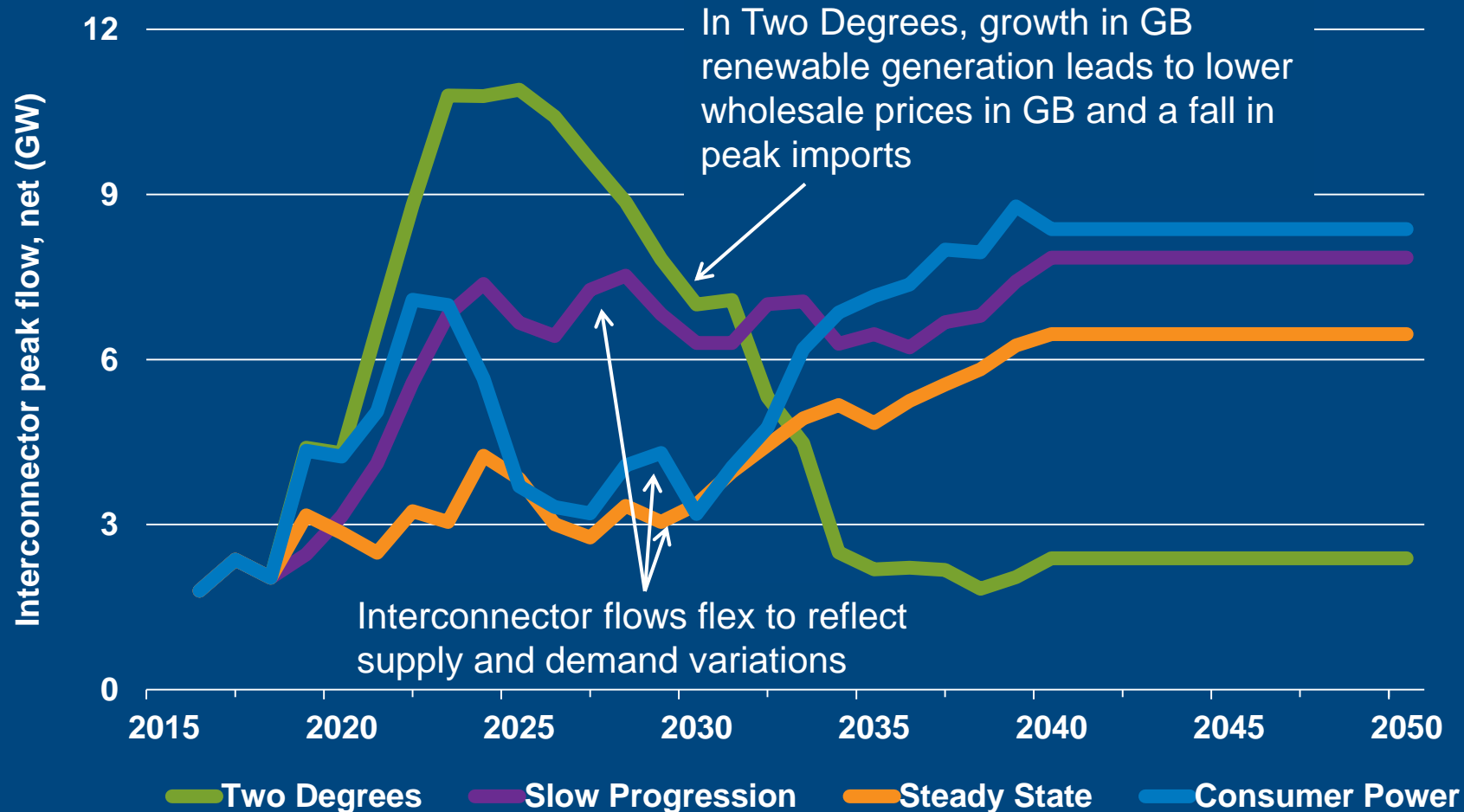


Interconnectors



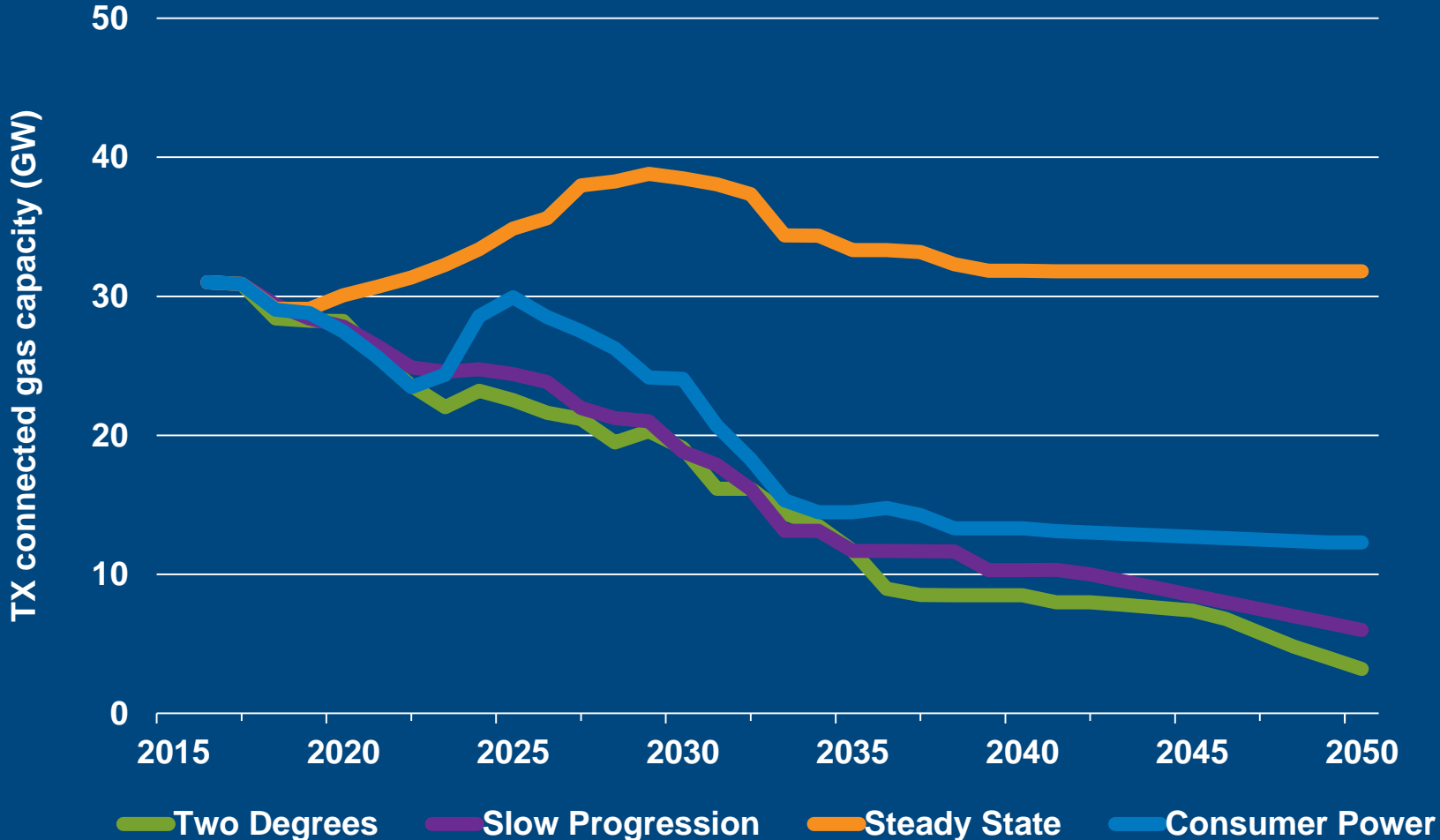


Interconnectors: peak flows



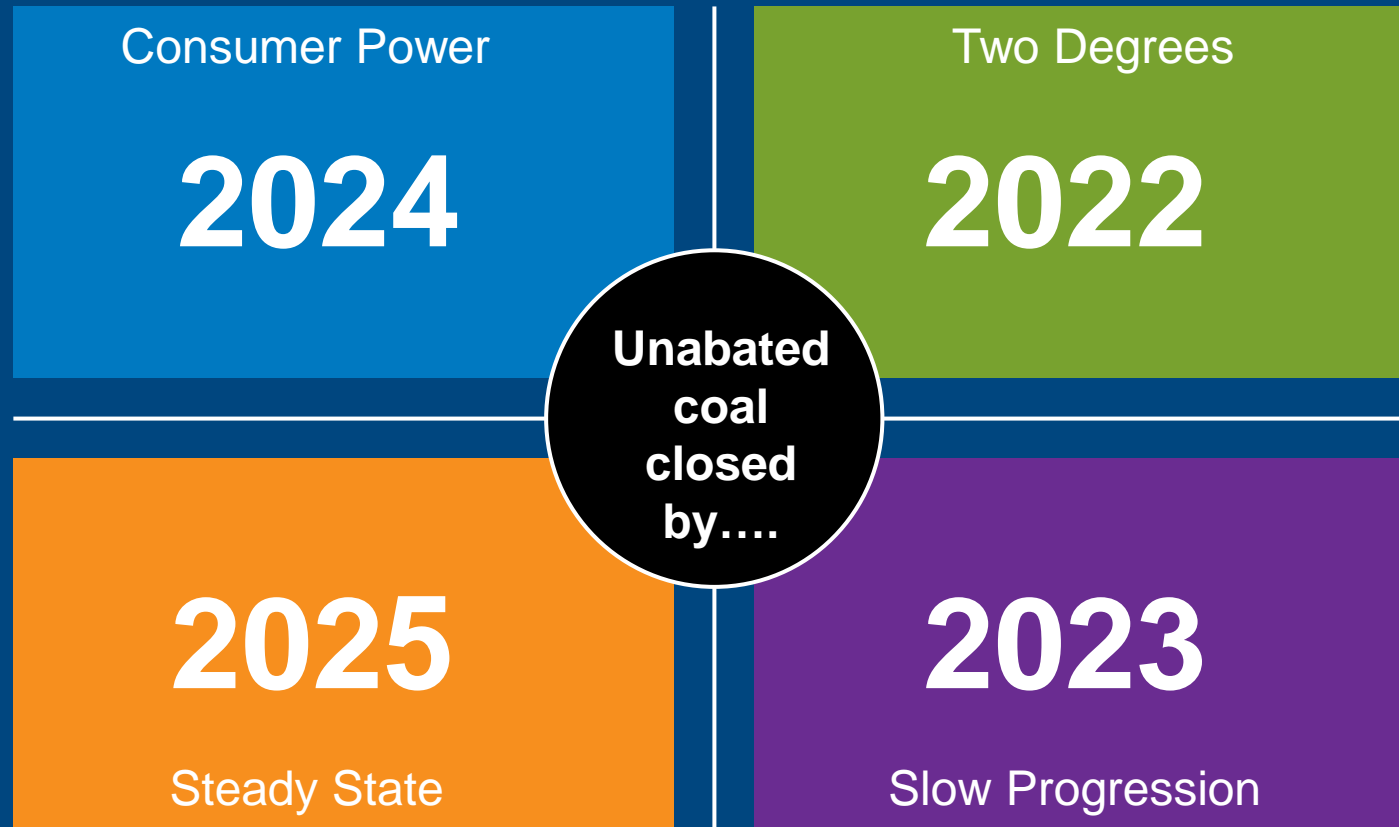


Gas





Coal





Future events

| Workshops | More information to follow |
|-----------|----------------------------|
| Warwick | 4 th October |
| Edinburgh | 11 th October |
| Cardiff | 18 th October |
| London | 24 th October |

Download the 2017 FES and FES in 5

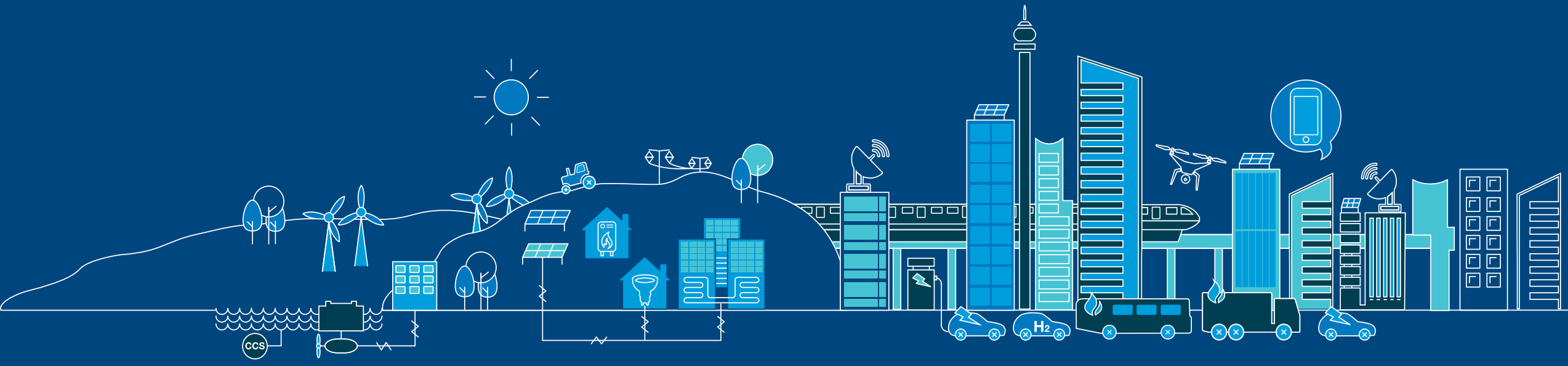
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Your questions



Continuing the conversation



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