

Welcome

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@NationalGridUK
#Futureofenergy

Future Energy Scenarios 2018

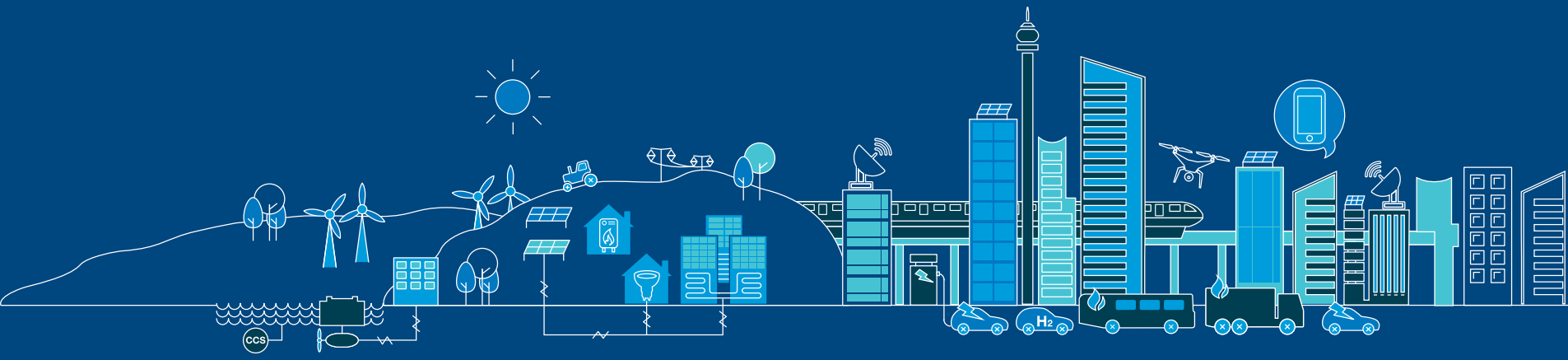
Electricity Supply Mark Perry



System Operator

FES 2018

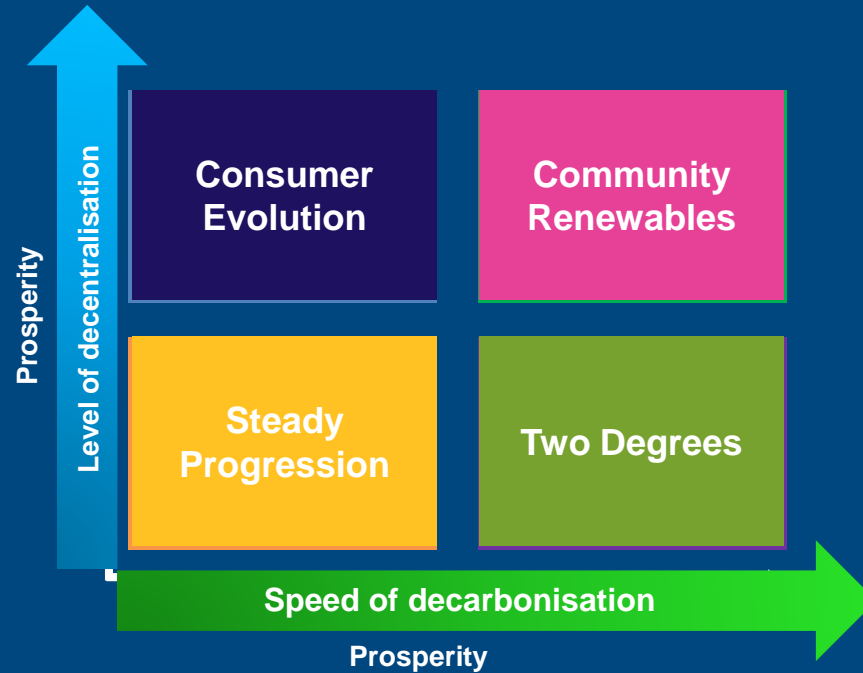
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What we will cover today

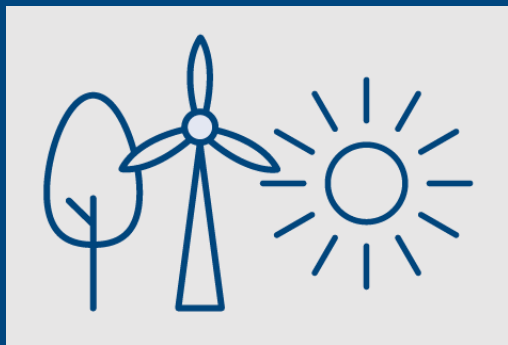
- Future Energy Scenarios (FES) 2018 overview
- Key insights
- Electricity demand
- Overview of installed capacity
- Capacity projections for some of the different technologies
- Interconnectors and storage
- Generation output
- Questions

FES 2017 to FES 2018



Key insights

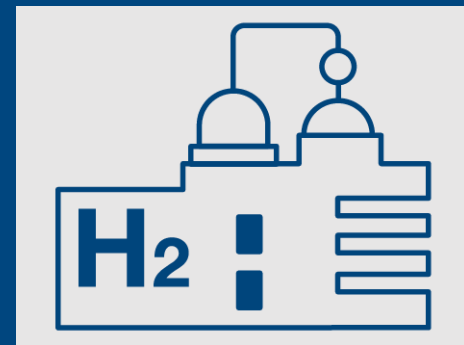
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Low carbon technologies
will grow at pace



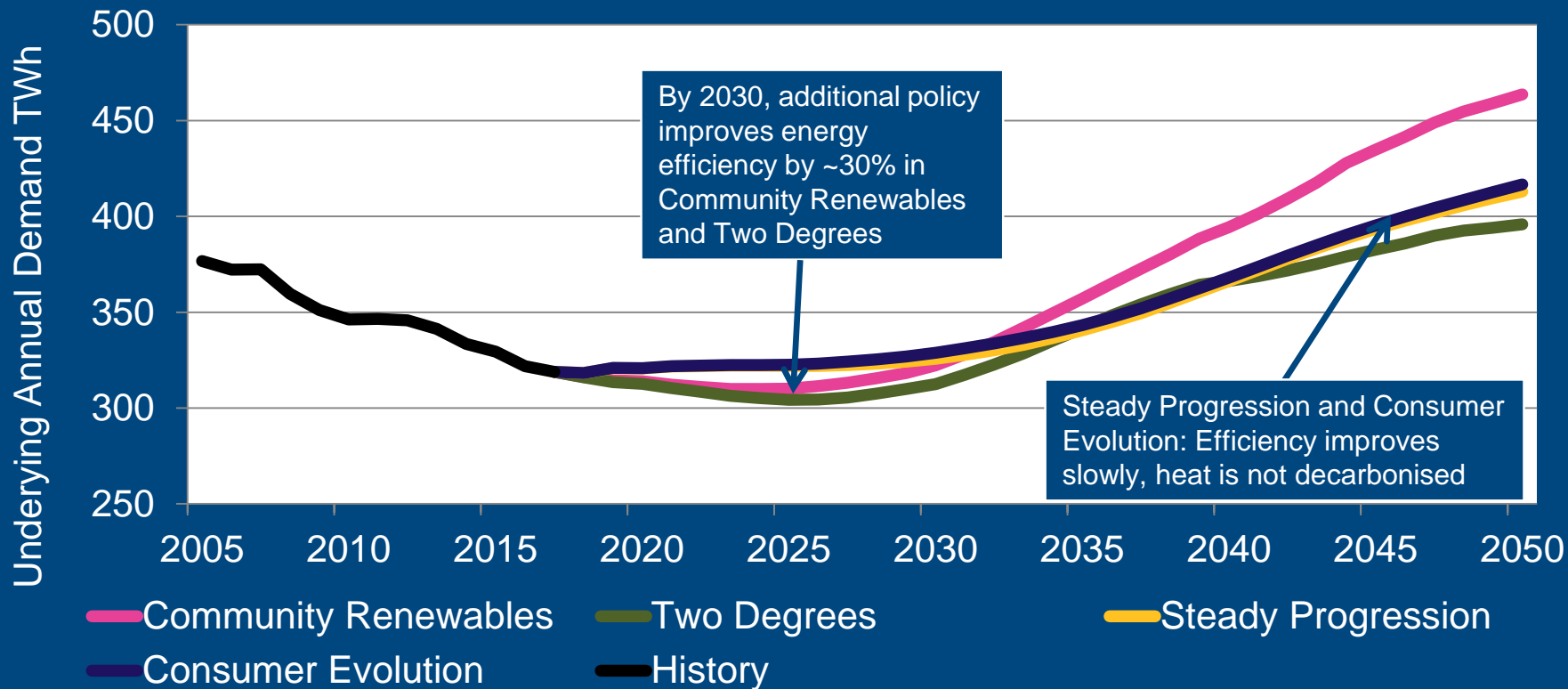
Markets will need to adapt



New business models

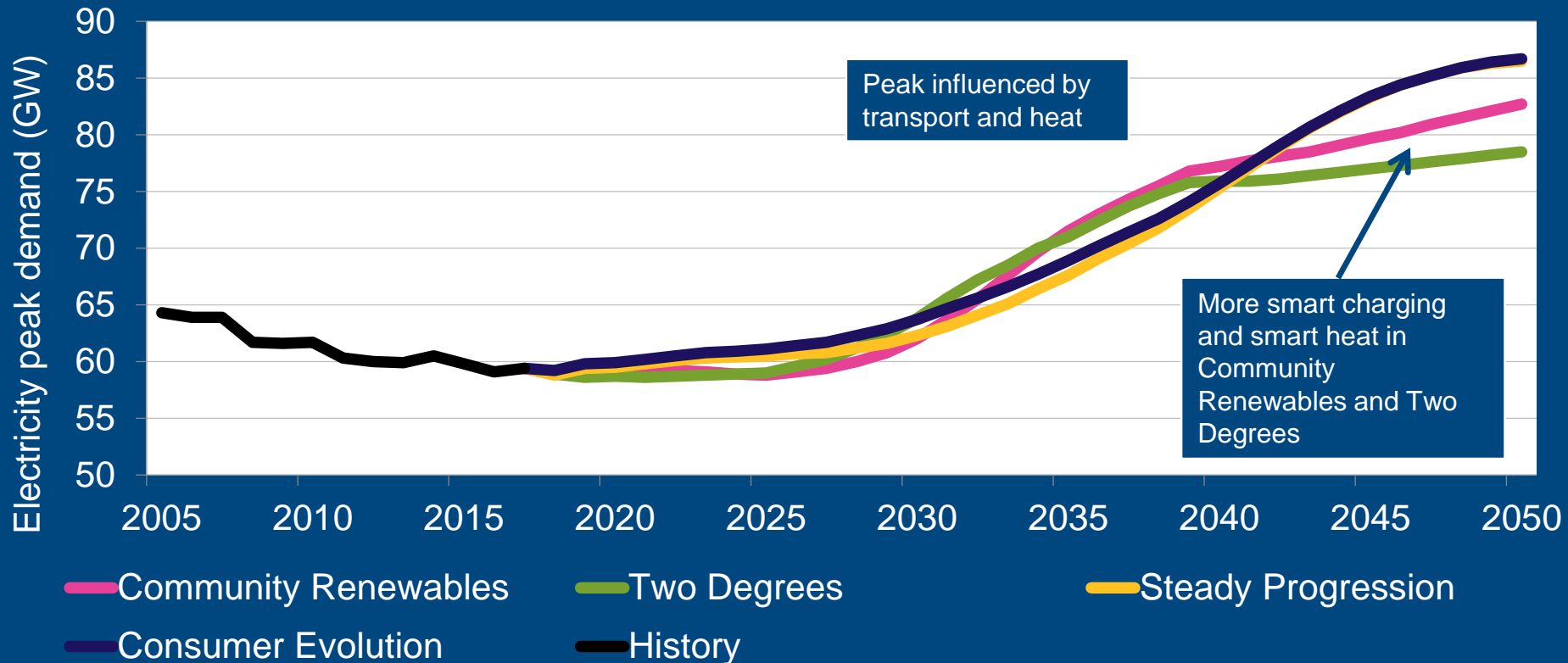
Electricity Demand: Annual TWh

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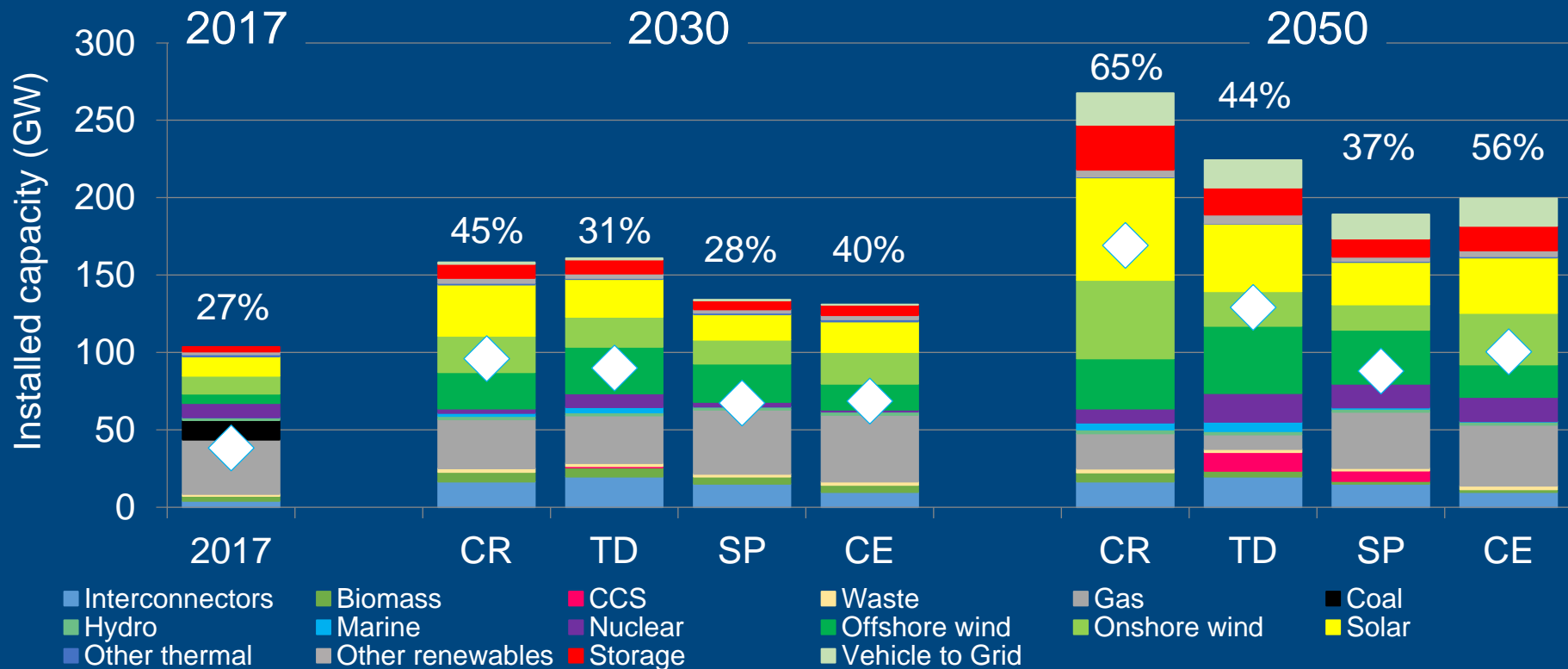
Electricity Demand: Peak GW

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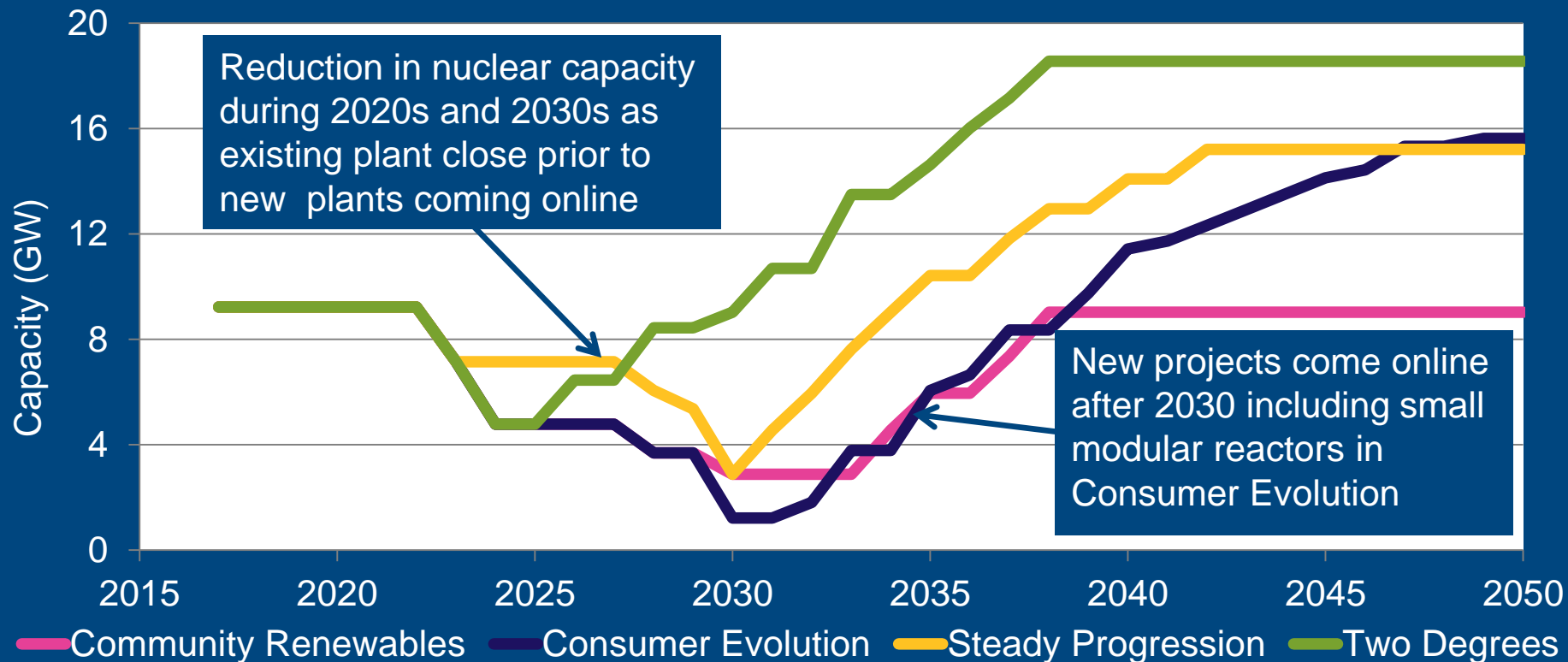


Installed generation capacity

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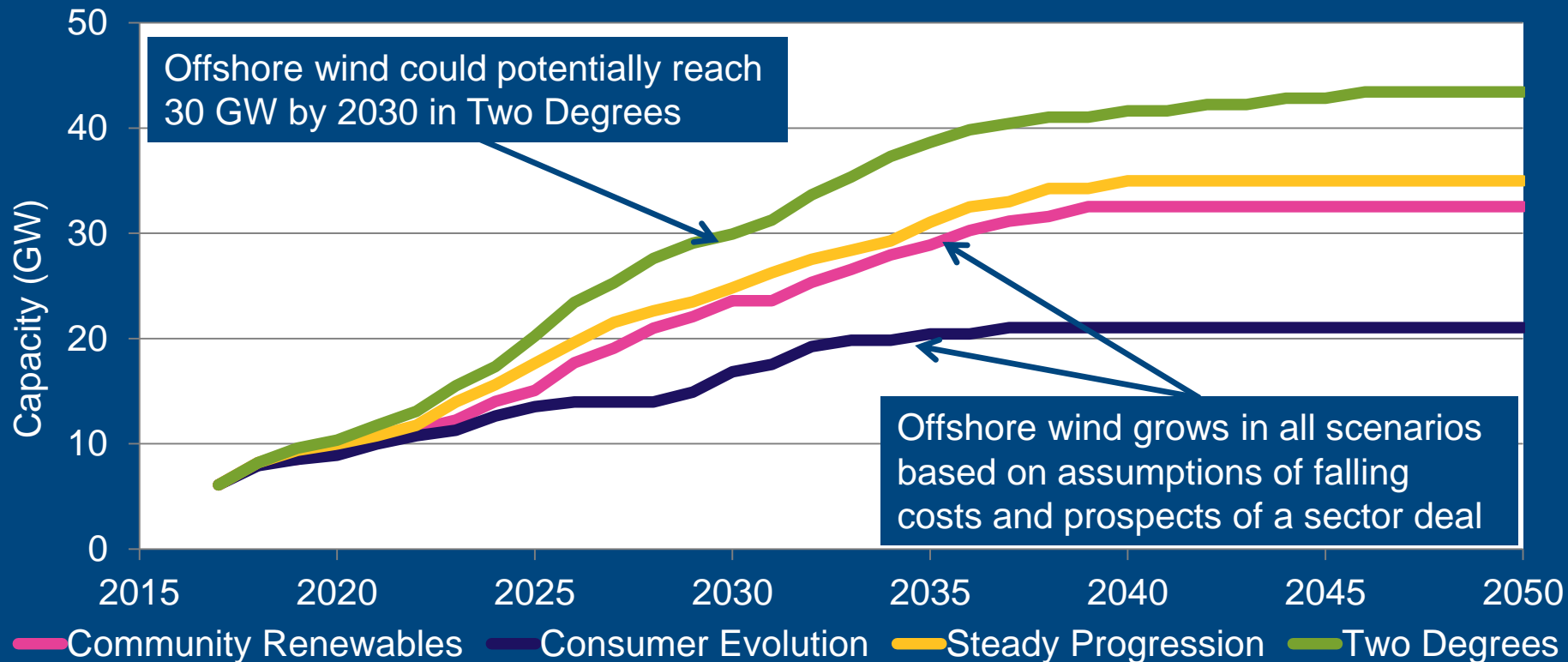


Nuclear

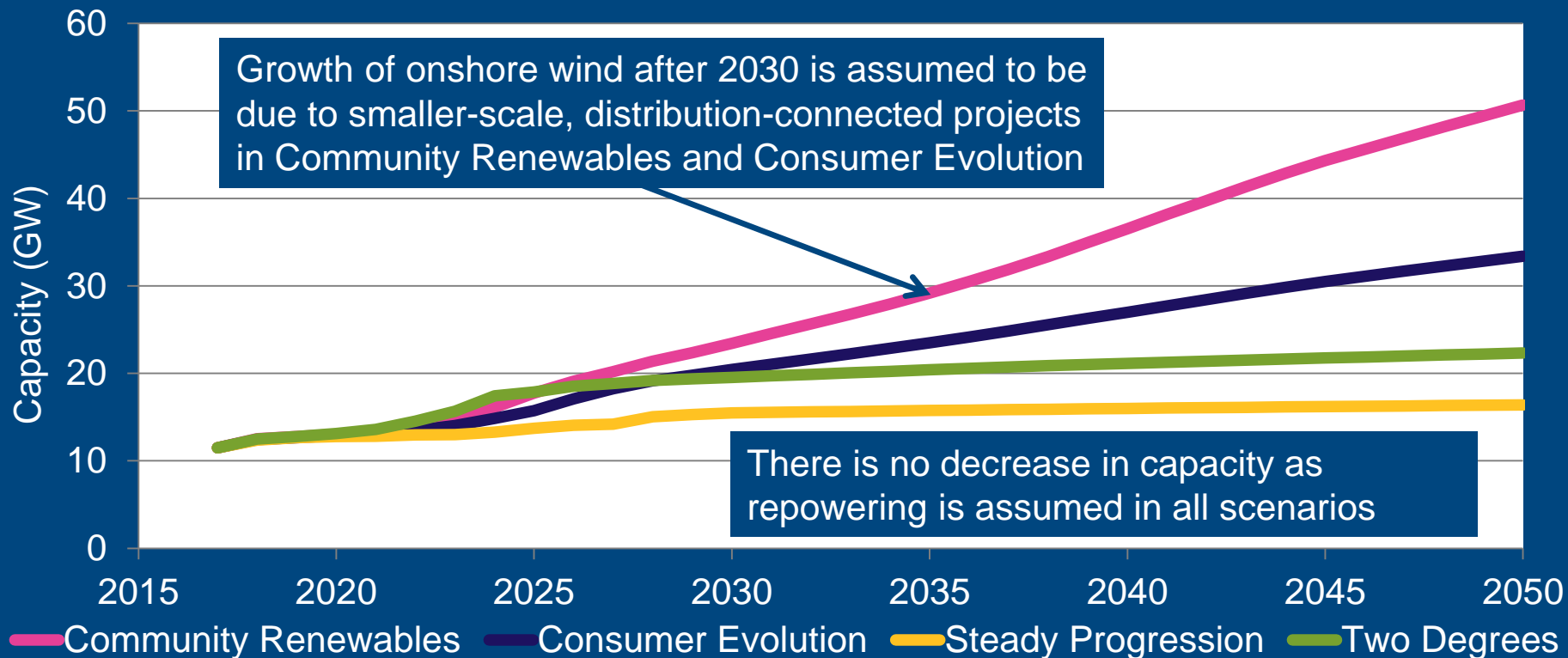


Offshore wind

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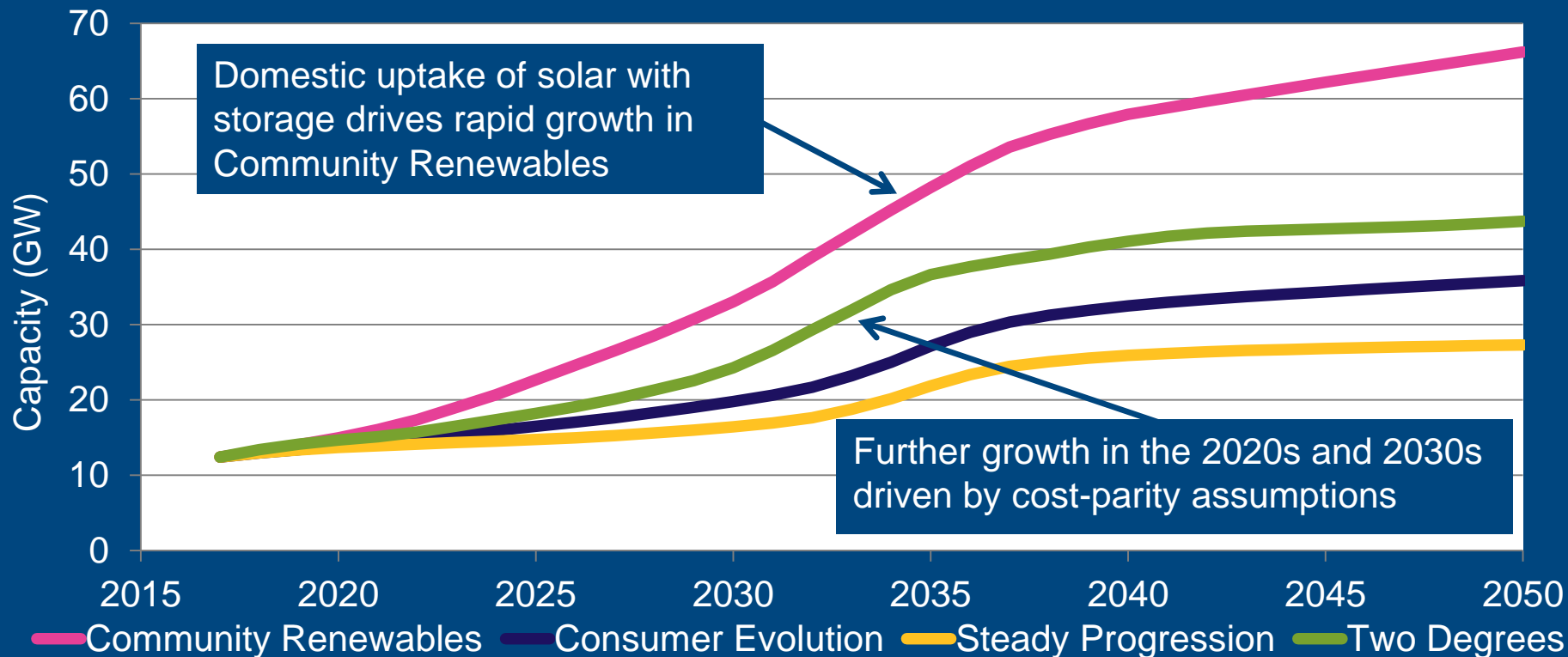


Onshore wind

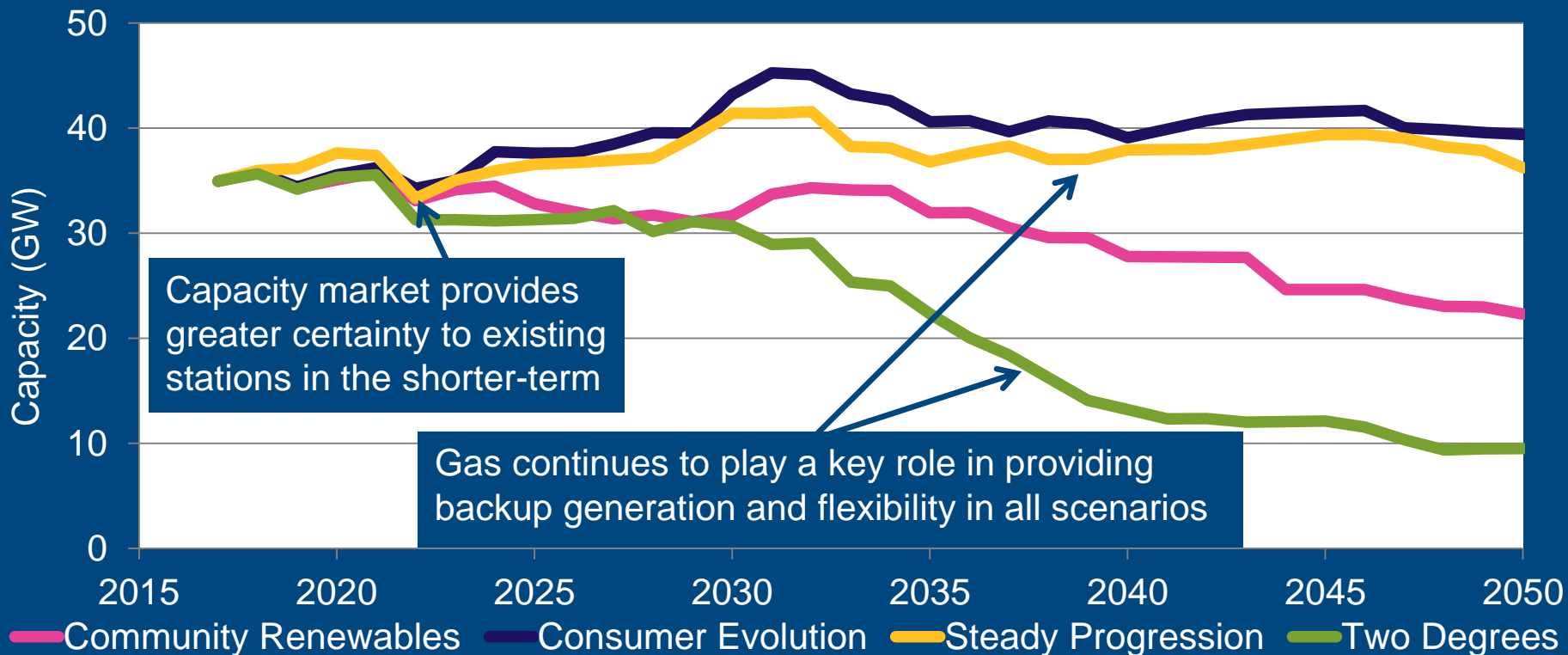


Solar

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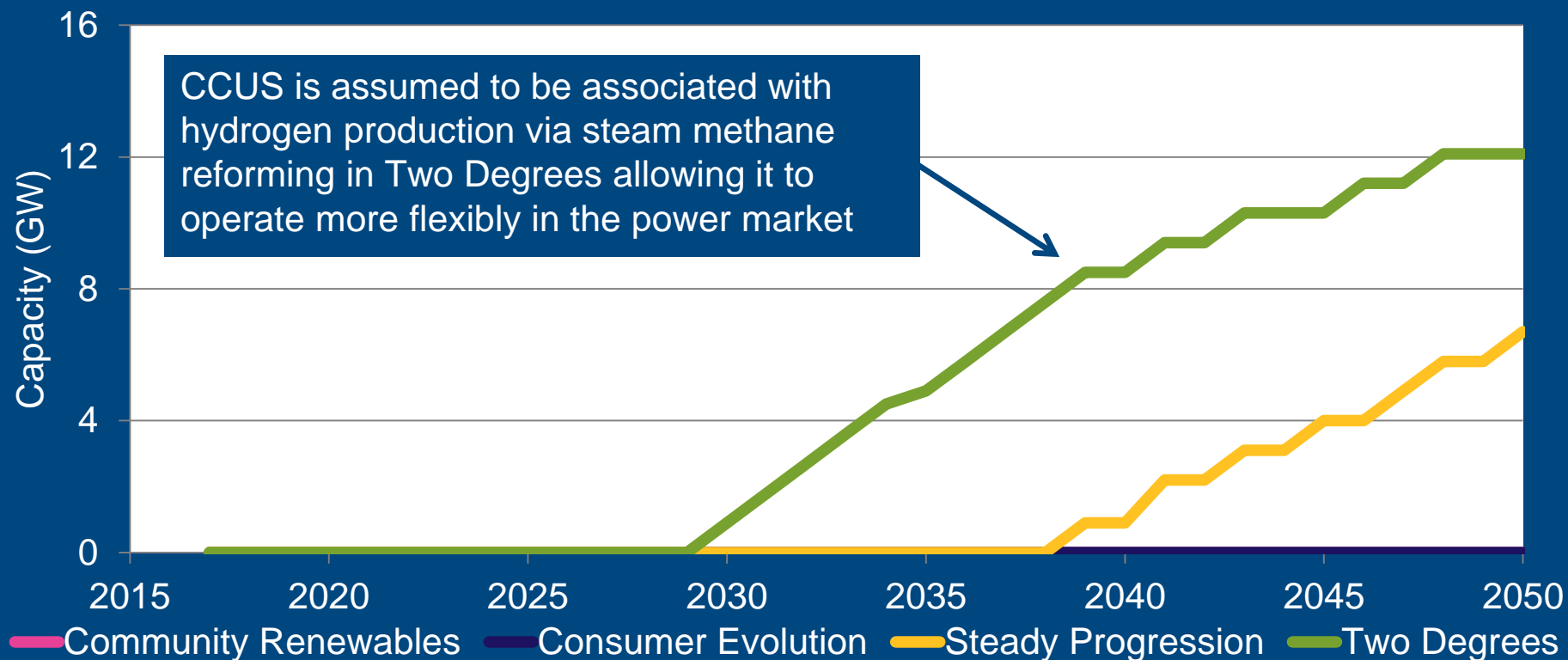


Gas



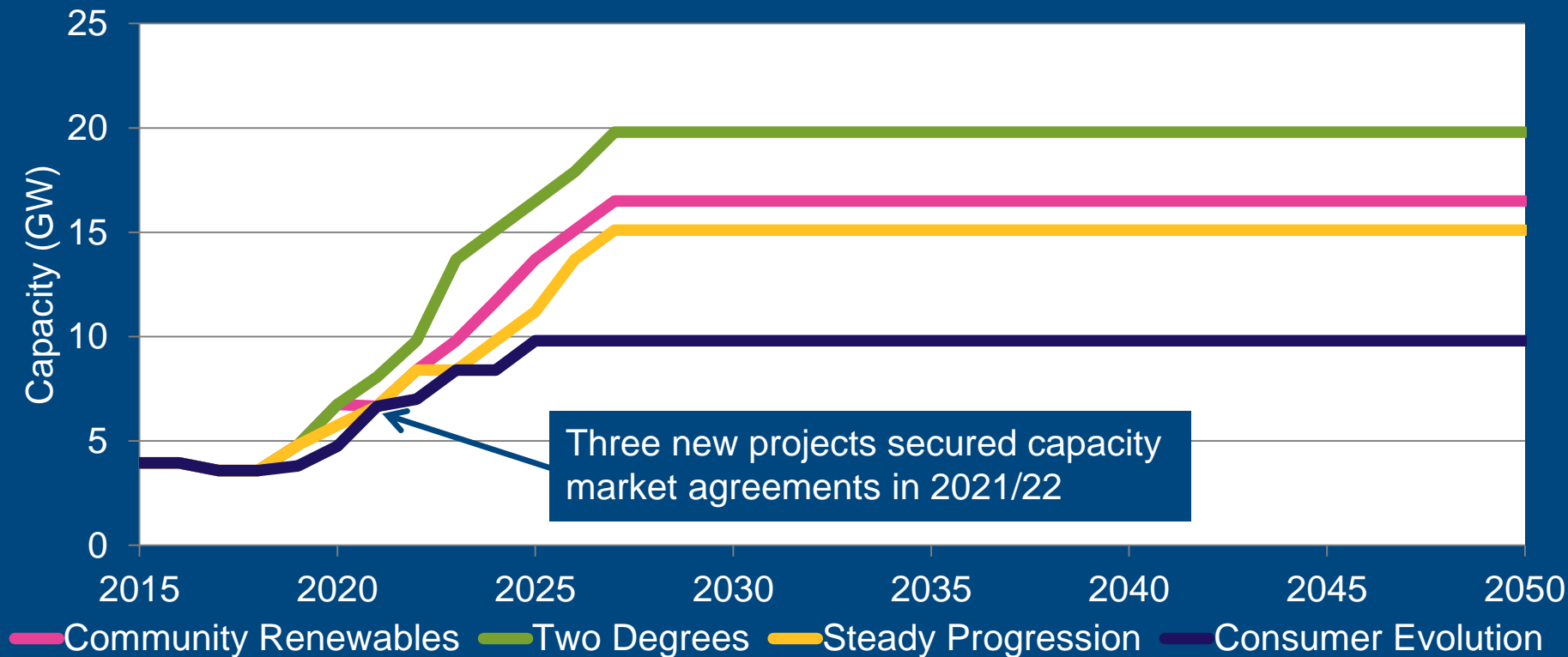
Carbon capture, utilisation and storage (CCUS)

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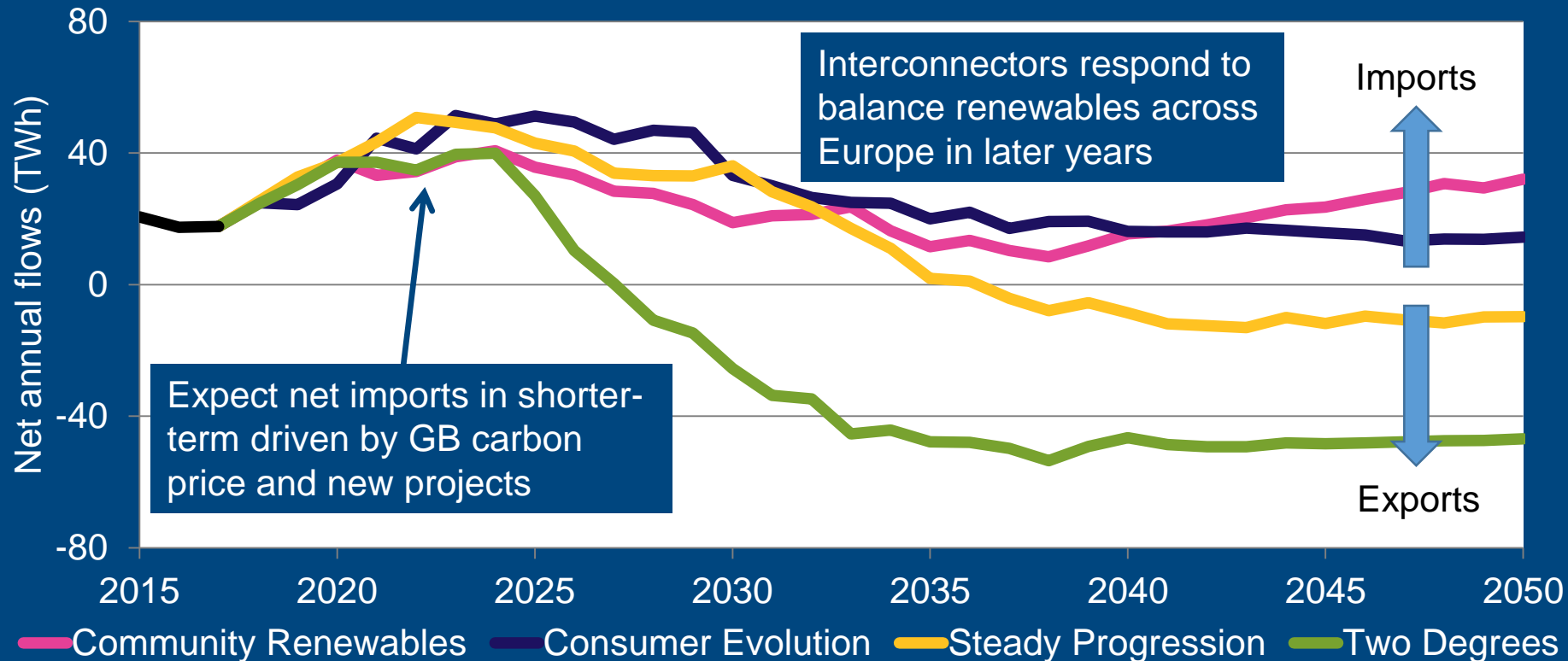
Interconnectors

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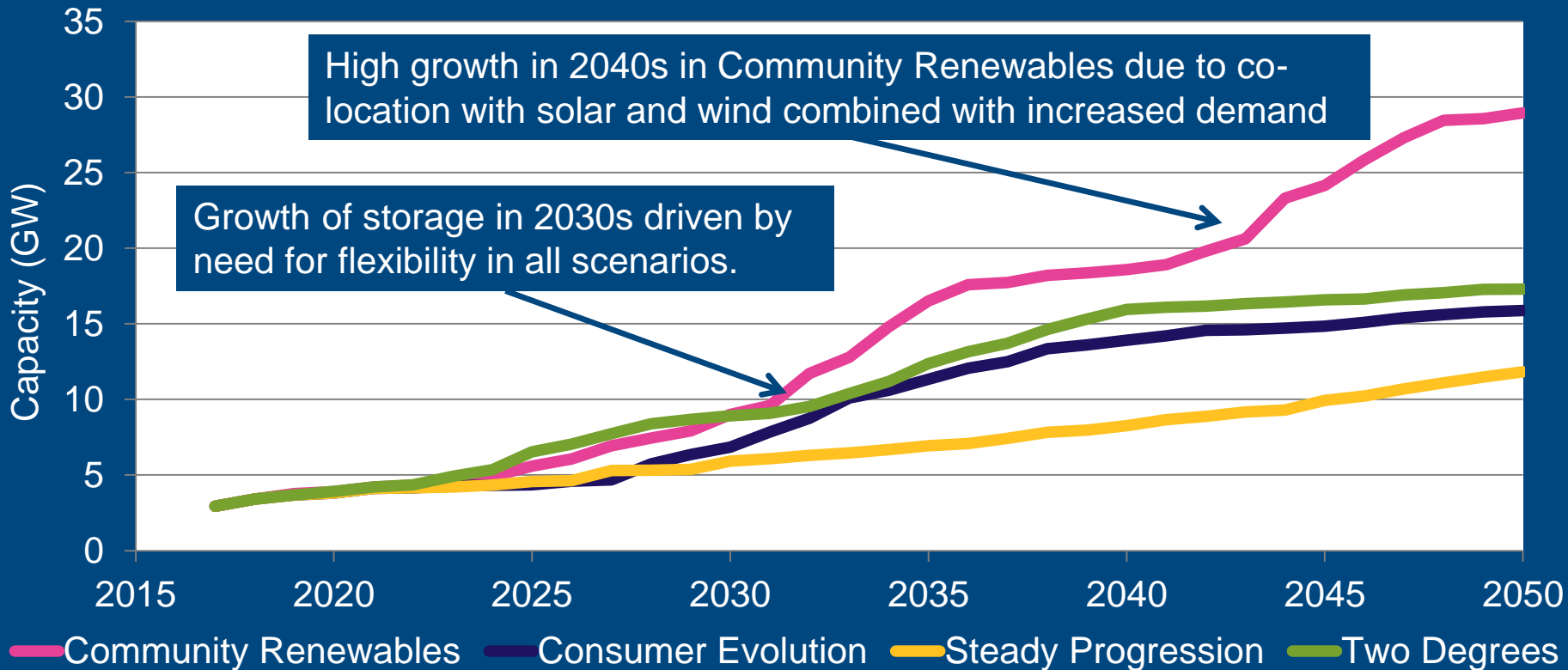
Interconnector flows

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Electricity storage

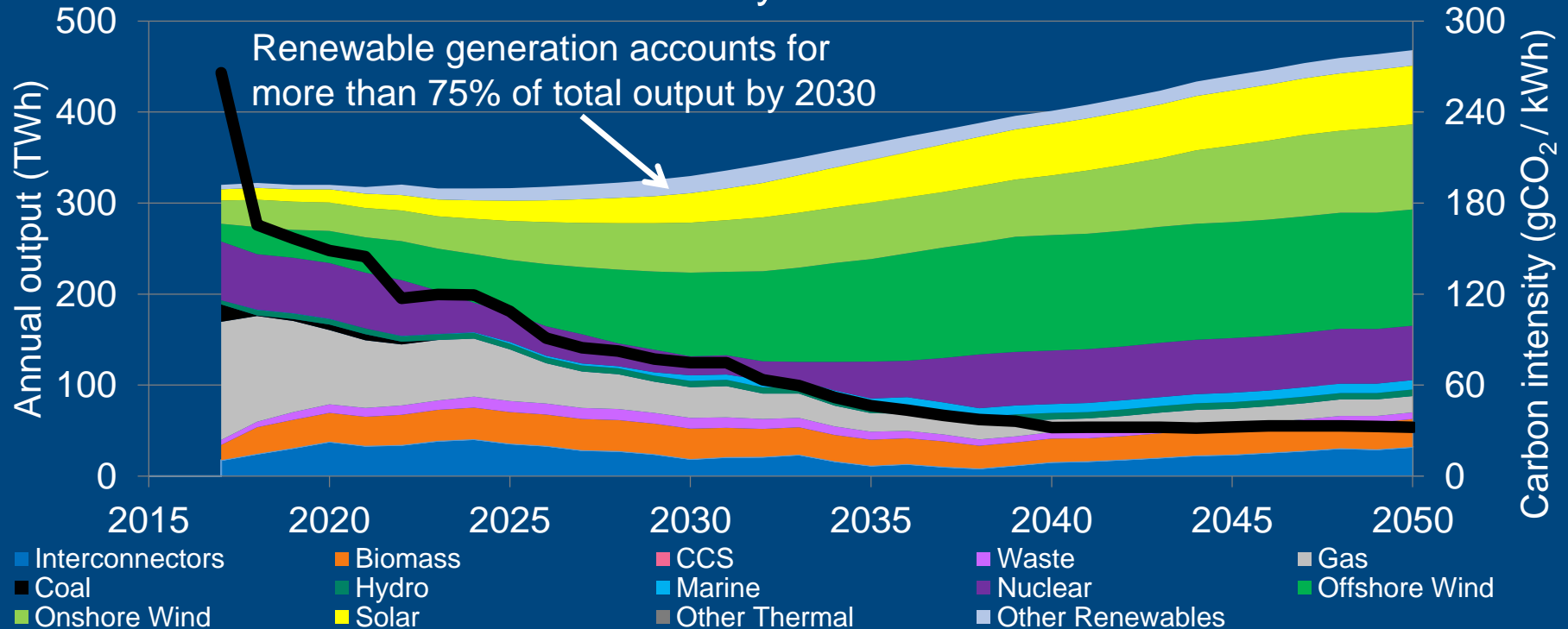
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Generation output

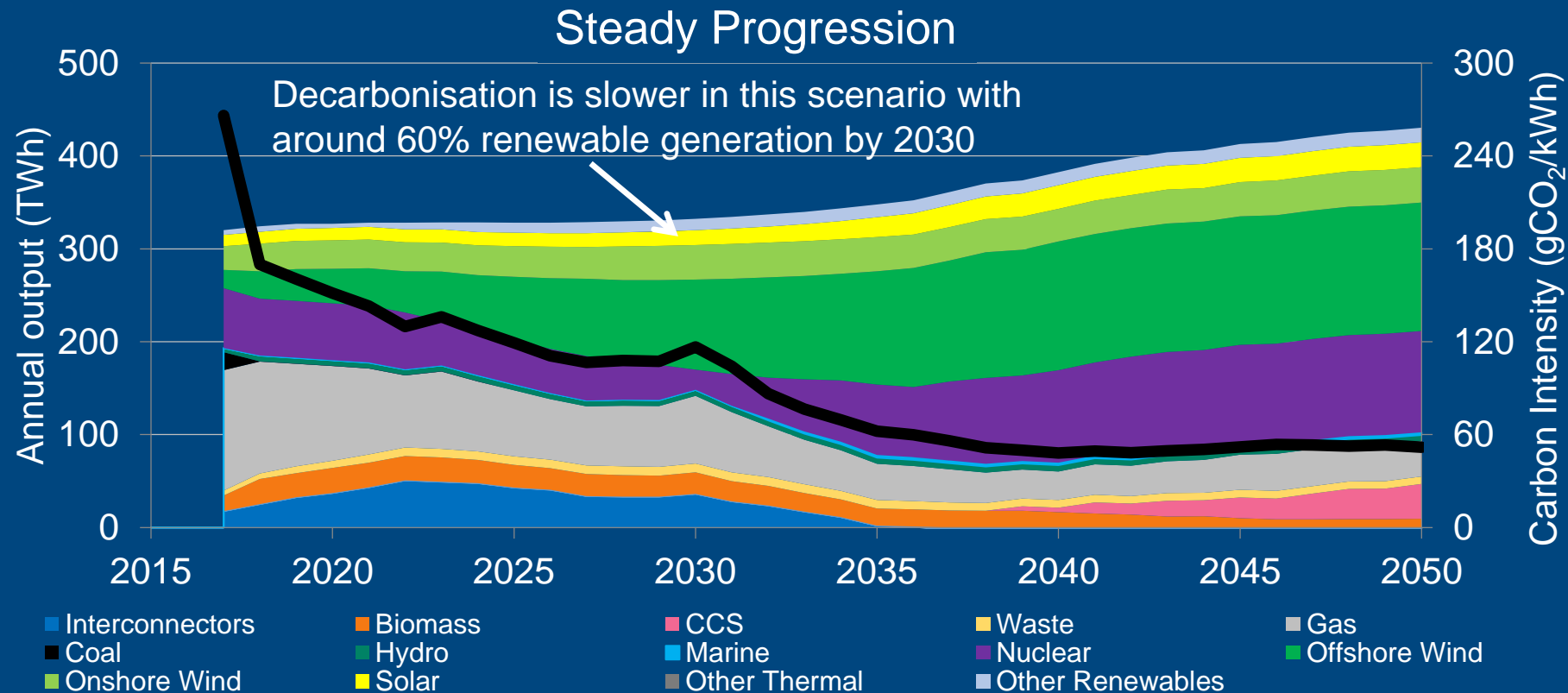
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Community Renewables



Generation output

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2018 Future Energy Scenarios

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Questions