

CCUS 2019

CAPTURING THE CLEAN GROWTH OPPORTUNITIES

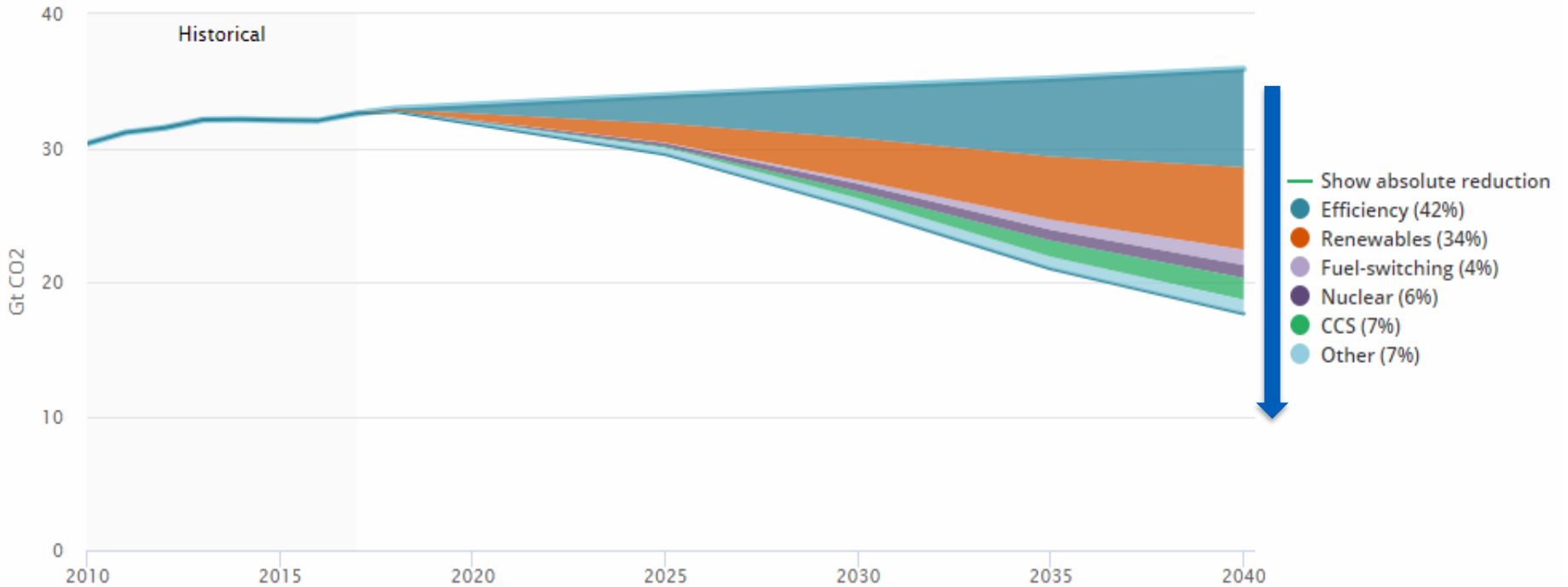
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CCS IS A VITAL ELEMENT OF A LOW-CARBON ENERGY FUTURE

Additional CO2 emissions reductions in the SDS vs. NPS



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Source: International Energy Agency, 2019, OECD/IEA, Paris



LARGE-SCALE CCS FACILITIES BY REGION OR COUNTRY

| | Early development | Advanced development | Construction | Operating | Total |
|--------------------------|-------------------|----------------------|--------------|-----------|-----------|
| North America | 3 | 6 | 2 | 12 | 23 |
| China | 5 | - | 2 | 1 | 8 |
| Europe | 8 | 2 | - | 2 | 12 |
| Gulf Cooperation Council | - | 1 | - | 2 | 3 |
| Rest of World* | 2 | 1 | 0 | 2 | 5 |
| Total | 18 | 10 | 4 | 19 | 51 |

* Includes facilities in Australia, Brazil and South Korea

