

Table 19: Capital and operating cost assumptions for all technologies⁷⁷

| | | CCGT H Class | | | CCGT F Class | | | CCGT CHP mode | | | OCGT 600MW 500 hr | | |
|---|--------------------------------------|--------------------|--------|--------|--------------------|--------|--------|--------------------|--------|--------|--------------------|--------|--------|
| Reference plant size | MW | 1,200 | | | 1,471 | | | 168 | | | 625 | | |
| Average load factor (net of availability) | % | 93% | | | 93% | | | 93% | | | 6% | | |
| Efficiency (HHV) | % | 54% | | | 53% | | | 34% | | | 35% | | |
| Pre-development period | Duration and % spend per years 1 & 2 | 2 years | 44% | 44% | 2 years | 44% | 44% | 2 years | 43.5% | 43.5% | 2 years | 55.6% | 44.4% |
| | % spend per years 3, 4, & 5 | 12% | | | 12% | | | 13% | | | | | |
| | % spend per years 6, 7, & 8 | | | | | | | | | | | | |
| Construction period | Duration and % spend per years 1 & 2 | 3 years | 40% | 40% | 3 years | 40% | 40% | 3 years | 40% | 40% | 2 years | 50% | 50% |
| | % spend per years 3, 4, & 5 | 20% | | | 20% | | | 20% | | | | | |
| | % spend per years 6, 7, & 8 | | | | | | | | | | | | |
| Operating period | Duration | 25 years | | | 25 years | | | 25 years | | | 25 years | | |
| | | Commissioning year | | | Commissioning year | | | Commissioning year | | | Commissioning year | | |
| | | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 |
| Pre-development £/kW | High | 20 | 20 | 20 | 10 | 10 | 10 | 80 | 80 | 80 | 20 | 20 | 20 |
| | Medium | 10 | 10 | 10 | 10 | 10 | 10 | 60 | 60 | 60 | 20 | 20 | 20 |
| | Low | 10 | 10 | 10 | 10 | 10 | 10 | 30 | 30 | 30 | 20 | 20 | 20 |
| Construction £/kW | High | 600 | 600 | 600 | 500 | 600 | 600 | 800 | 800 | 900 | 300 | 300 | 300 |
| | Medium | 500 | 500 | 500 | 500 | 500 | 500 | 700 | 700 | 700 | 300 | 300 | 300 |
| | Low | 400 | 400 | 400 | 400 | 400 | 400 | 600 | 600 | 600 | 300 | 300 | 300 |
| Infrastructure £'000s | High | 30,200 | 30,200 | 30,200 | 30,200 | 30,200 | 30,200 | 27,100 | 27,100 | 27,100 | 30,200 | 30,200 | 30,200 |
| | Medium | 15,100 | 15,100 | 15,100 | 15,100 | 15,100 | 15,100 | 13,600 | 13,600 | 13,600 | 15,100 | 15,100 | 15,100 |
| | Low | 7,600 | 7,600 | 7,600 | 7,600 | 7,600 | 7,600 | 6,800 | 6,800 | 6,800 | 7,600 | 7,600 | 7,600 |
| Fixed O&M £/MW/year | Medium | 12,200 | 12,200 | 12,200 | 11,400 | 11,400 | 11,400 | 28,200 | 28,200 | 28,200 | 4,600 | 4,600 | 4,600 |
| Variable O&M £/MWh | Medium | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 5 | 5 | 3 | 3 | 3 |
| Insurance £/MWh/year | Medium | 2,100 | 2,100 | 2,100 | 1,900 | 1,900 | 1,900 | 2,900 | 2,900 | 2,900 | 1,200 | 1,200 | 1,200 |
| Connection and Use of System charges £/MW/year | Medium | 3,300 | 3,300 | 3,300 | 3,300 | 3,300 | 3,300 | 3,300 | 3,300 | 3,300 | 2,400 | 2,400 | 2,400 |

⁷⁷ For the tables in this section (except for onshore and offshore wind) the load factor quoted is the same for all commissioning years. Refer to relevant table notes for exceptions related to onshore and offshore wind.

| | | OCGT 400MW 500 hr | | | OCGT 300MW 500 hr | | | OCGT 299MW 500 hr | | | OCGT 100MW 500 hr | | |
|---|--------------------------------------|--------------------|--------|--------|--------------------|--------|--------|--------------------|--------|--------|--------------------|--------|--------|
| Reference plant size | MW | 400 | | | 311 | | | 299 | | | 96 | | |
| Average load factor (net of availability) | % | 6% | | | 6% | | | 6% | | | 6% | | |
| Efficiency (HHV) | % | 34% | | | 35% | | | 35% | | | 35% | | |
| Pre-development period | Duration and % spend per years 1 & 2 | 2 years | 55.6% | 44.4% | 2 years | 55.6% | 44.4% | 2 years | 55.6% | 44.4% | 2 years | 55.6% | 44.4% |
| | % spend per years 3, 4, & 5 | | | | | | | | | | | | |
| | % spend per years 6, 7, & 8 | | | | | | | | | | | | |
| Construction period | Duration and % spend per years 1 & 2 | 2 years | 50% | 50% | 2 years | 50% | 50% | 2 years | 50% | 50% | 2 years | 50% | 50% |
| | % spend per years 3, 4, & 5 | | | | | | | | | | | | |
| | % spend per years 6, 7, & 8 | | | | | | | | | | | | |
| Operating period | Duration | 25 years | | | 25 years | | | 25 years | | | 25 years | | |
| | | Commissioning year | | | Commissioning year | | | Commissioning year | | | Commissioning year | | |
| | | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 |
| | | | | | | | | | | | | | |
| Pre-development £/kW | High | 30 | 30 | 30 | 40 | 40 | 40 | 40 | 40 | 40 | 90 | 90 | 90 |
| | Medium | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 80 | 80 | 80 |
| | Low | 20 | 20 | 20 | 30 | 30 | 30 | 30 | 30 | 30 | 70 | 70 | 70 |
| Construction £/kW | High | 400 | 400 | 400 | 600 | 700 | 700 | 600 | 700 | 700 | 800 | 800 | 800 |
| | Medium | 300 | 300 | 300 | 400 | 400 | 400 | 400 | 400 | 400 | 600 | 600 | 600 |
| | Low | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 600 | 600 | 600 |
| Infrastructure £'000s | High | 30,200 | 30,200 | 30,200 | 27,100 | 27,100 | 27,100 | 27,100 | 27,100 | 27,100 | 25,100 | 25,100 | 25,100 |
| | Medium | 15,100 | 15,100 | 15,100 | 13,600 | 13,600 | 13,600 | 13,600 | 13,600 | 13,600 | 12,600 | 12,600 | 12,600 |
| | Low | 7,600 | 7,600 | 7,600 | 6,800 | 6,800 | 6,800 | 6,800 | 6,800 | 6,800 | 6,300 | 6,300 | 6,300 |
| Fixed O&M £/MW/year | Medium | 5,200 | 5,200 | 5,200 | 6,300 | 6,300 | 6,300 | 6,400 | 6,400 | 6,400 | 9,900 | 9,900 | 9,900 |
| Variable O&M £/MWh | Medium | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| Insurance £/MWh/year | Medium | 1,300 | 1,300 | 1,300 | 1,600 | 1,600 | 1,600 | 1,600 | 1,600 | 1,600 | 2,500 | 2,500 | 2,500 |
| Connection and Use of System charges £/MW/year | Medium | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 |

| | | OCGT 600MW 2000 hr | | | OCGT 400MW 2000 hr | | | OCGT 300MW 2000 hr | | | OCGT 299MW 2000 hr | | |
|---|--------------------------------------|--------------------|--------|--------|--------------------|--------|--------|--------------------|--------|--------|--------------------|--------|--------|
| Reference plant size | MW | 625 | | | 400 | | | 311 | | | 299 | | |
| Average load factor (net of availability) | % | 22% | | | 22% | | | 22% | | | 22% | | |
| Efficiency (HHV) | % | 35% | | | 34% | | | 35% | | | 35% | | |
| Pre-development period | Duration and % spend per years 1 & 2 | 2 years | 55.6% | 44.4% | 2 years | 55.6% | 44.4% | 2 years | 55.6% | 44.4% | 2 years | 55.6% | 44.4% |
| | % spend per years 3, 4, & 5 | | | | | | | | | | | | |
| | % spend per years 6, 7, & 8 | | | | | | | | | | | | |
| Construction period | Duration and % spend per years 1 & 2 | 2 years | 50% | 50% | 2 years | 50% | 50% | 2 years | 50% | 50% | 2 years | 50% | 50% |
| | % spend per years 3, 4, & 5 | | | | | | | | | | | | |
| | % spend per years 6, 7, & 8 | | | | | | | | | | | | |
| Operating period | Duration | 25 years | | | 25 years | | | 25 years | | | 25 years | | |
| | | Commissioning year | | | Commissioning year | | | Commissioning year | | | Commissioning year | | |
| | | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 |
| Pre-development £/kW | High | 20 | 20 | 20 | 30 | 30 | 30 | 40 | 40 | 40 | 40 | 40 | 40 |
| | Medium | 20 | 20 | 20 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| | Low | 20 | 20 | 20 | 20 | 20 | 20 | 30 | 30 | 30 | 30 | 30 | 30 |
| Construction £/kW | High | 300 | 300 | 300 | 400 | 400 | 400 | 600 | 700 | 700 | 600 | 700 | 700 |
| | Medium | 300 | 300 | 300 | 300 | 300 | 300 | 400 | 400 | 400 | 400 | 400 | 400 |
| | Low | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| Infrastructure £'000s | High | 30,200 | 30,200 | 30,200 | 30,200 | 30,200 | 30,200 | 27,100 | 27,100 | 27,100 | 27,100 | 27,100 | 27,100 |
| | Medium | 15,100 | 15,100 | 15,100 | 15,100 | 15,100 | 15,100 | 13,600 | 13,600 | 13,600 | 13,600 | 13,600 | 13,600 |
| | Low | 7,600 | 7,600 | 7,600 | 7,600 | 7,600 | 7,600 | 6,800 | 6,800 | 6,800 | 6,800 | 6,800 | 6,800 |
| Fixed O&M £/MW/year | Medium | 6,800 | 6,800 | 6,800 | 7,800 | 7,800 | 7,800 | 9,500 | 9,500 | 9,500 | 9,600 | 9,600 | 9,600 |
| Variable O&M £/MWh | Medium | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Insurance £/MWh/year | Medium | 1,200 | 1,200 | 1,200 | 1,300 | 1,300 | 1,300 | 1,600 | 1,600 | 1,600 | 1,600 | 1,600 | 1,600 |
| Connection and Use of System charges £/MW/year | Medium | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 |

| | | OCGT 100MW 2000 hr | | | Recip Diesel 2000 hr | | | Recip Diesel 500 hrs | | | Recip Diesel 90 hrs | | |
|--|--------------------------------------|--------------------|--------|--------|----------------------|----------|----------|----------------------|----------|----------|---------------------|----------|----------|
| Reference plant size | MW | 96 | | | 20 | | | 20 | | | 20 | | |
| Average load factor (net of availability) | % | 22% | | | 22% | | | 5% | | | 1% | | |
| Efficiency (HHV) | % | 35% | | | 34% | | | 34% | | | 34% | | |
| Pre-development period | Duration and % spend per years 1 & 2 | 2 years | 55.6% | 44.4% | 2 years | 50% | 50% | 2 years | 50% | 50% | 2 years | 50% | 50% |
| | % spend per years 3, 4, & 5 | | | | | | | | | | | | |
| | % spend per years 6, 7, & 8 | | | | | | | | | | | | |
| Construction period | Duration and % spend per years 1 & 2 | 2 years | 50% | 50% | 1 years | 100% | | 1 years | 100% | | 1 years | 100% | |
| | % spend per years 3, 4, & 5 | | | | | | | | | | | | |
| | % spend per years 6, 7, & 8 | | | | | | | | | | | | |
| Operating period | Duration | 25 years | | | 15 years | | | 15 years | | | 15 years | | |
| | | Commissioning year | | | Commissioning year | | | Commissioning year | | | Commissioning year | | |
| | | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 |
| Pre-development £/kW | High | 90 | 90 | 90 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | Medium | 80 | 80 | 80 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | Low | 70 | 70 | 70 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Construction £/kW | High | 800 | 800 | 800 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| | Medium | 600 | 600 | 600 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| | Low | 600 | 600 | 600 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| Infrastructure £'000s | High | 25,100 | 25,100 | 25,100 | 6,500 | 6,500 | 6,500 | 6,500 | 6,500 | 6,500 | 6,500 | 6,500 | 6,500 |
| | Medium | 12,600 | 12,600 | 12,600 | 2,200 | 2,200 | 2,200 | 2,200 | 2,200 | 2,200 | 2,200 | 2,200 | 2,200 |
| | Low | 6,300 | 6,300 | 6,300 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 |
| Fixed O&M £/MW/year | Medium | 14,800 | 14,800 | 14,800 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Variable O&M £/MWh | Medium | 4 | 4 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Insurance £/MWh/year | Medium | 2,500 | 2,500 | 2,500 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Connection and Use of System charges £/MW/year | Medium | 2,500 | 2,500 | 2,500 | - 31,900 | - 31,900 | - 31,900 | - 28,500 | - 28,500 | - 28,500 | - 28,000 | - 28,000 | - 28,000 |

| | | Recip Gas 2000 hr | | | RECIP GAS 500 hrs | | | Nuclear - PWR FOAK | | | Pumped storage | | |
|---|--------------------------------------|--------------------|----------|----------|--------------------|----------|----------|--------------------|------|--------|--------------------|--------|--------|
| Reference plant size | MW | 20 | | | 20 | | | 3,300 | | | 600 | | |
| Average load factor (net of availability) | % | 22% | | | 5% | | | 90% | | | 21% | | |
| Efficiency (HHV) | % | 32% | | | 32% | | | 100% | | | 77% | | |
| Pre-development period | Duration and % spend per years 1 & 2 | 2 years | 50% | 50% | 2 years | 50% | 50% | 5 years | 20% | 20% | 5 years | 20% | 20% |
| | % spend per years 3, 4, & 5 | | | | | | | 20% | 20% | 20% | 20% | 20% | 20% |
| | % spend per years 6, 7, & 8 | | | | | | | | | | | | |
| Construction period | Duration and % spend per years 1 & 2 | 1 years | 100% | | 1 years | 100% | | 8 years | 5% | 5% | 5 years | 22.2% | 22.2% |
| | % spend per years 3, 4, & 5 | | | | | | | 20% | 20% | 20% | 22.2% | 22.2% | 11.1% |
| | % spend per years 6, 7, & 8 | | | | | | | 20% | 5% | 5% | | | |
| Operating period | Duration | 15 years | | | 15 years | | | 60 years | | | 50 years | | |
| | | Commissioning year | | | Commissioning year | | | Commissioning year | | | Commissioning year | | |
| | | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 |
| Pre-development £/kW | High | 20 | 20 | 20 | 20 | 20 | 20 | - | - | 640 | 50 | 50 | 50 |
| | Medium | 10 | 10 | 10 | 10 | 10 | 10 | - | - | 240 | 40 | 40 | 40 |
| | Low | 10 | 10 | 10 | 10 | 10 | 10 | - | - | 110 | 30 | 30 | 30 |
| Construction £/kW | High | 300 | 300 | 300 | 300 | 300 | 300 | - | - | 5,100 | 1,500 | 1,500 | 1,600 |
| | Medium | 300 | 300 | 300 | 300 | 300 | 300 | - | - | 4,100 | 1,000 | 1,000 | 1,000 |
| | Low | 300 | 300 | 300 | 300 | 300 | 300 | - | - | 3,700 | 700 | 700 | 700 |
| Infrastructure £'000s | High | 10,300 | 10,300 | 10,300 | 10,300 | 10,300 | 10,300 | - | - | 50,000 | 50,000 | 50,000 | 50,000 |
| | Medium | 3,400 | 3,400 | 3,400 | 3,400 | 3,400 | 3,400 | - | - | 11,500 | 25,000 | 25,000 | 25,000 |
| | Low | 700 | 700 | 700 | 700 | 700 | 700 | - | - | - | 10,000 | 10,000 | 10,000 |
| Fixed O&M £/MW/year | Medium | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | - | - | 72,900 | 11,200 | 11,200 | 11,200 |
| Variable O&M £/MWh | Medium | 2 | 2 | 2 | 2 | 2 | 2 | - | - | 5 | 42 | 42 | 42 |
| Insurance £/MWh/year | Medium | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | - | - | 10,000 | 4,100 | 4,100 | 4,100 |
| Connection and Use of System charges £/MW/year | Medium | - 31,900 | - 31,900 | - 31,900 | - 28,500 | - 28,500 | - 28,500 | - | - | 500 | 15,800 | 15,800 | 15,800 |

| | | Gas - CCS CCGT Post FOAK | | | Gas - CCS CCGT Retro Post FOAK | | | Gas - CCS CCGT Pre FOAK | | | Gas - CCS CCGT oxy FOAK | | |
|---|--------------------------------------|--------------------------|------|--------|--------------------------------|------|--------|-------------------------|------|--------|-------------------------|-------|--------|
| Reference plant size | MW | 963 | | | 618 | | | 1,084 | | | 1,038 | | |
| Average load factor (net of availability) | % | 88% | | | 88% | | | 88% | | | 88% | | |
| Efficiency (HHV) | % | 44% | | | 44% | | | 38% | | | 42% | | |
| Pre-development period | Duration and % spend per years 1 & 2 | 5 years | 20% | 20% | 4 years | 25% | 25% | 5 years | 20% | 20% | 6 years | 16.7% | 16.7% |
| | % spend per years 3, 4, & 5 | 20% | 20% | 20% | 25% | 25% | | 20% | 20% | 20% | 16.7% | 16.7% | 16.7% |
| | % spend per years 6, 7, & 8 | | | | | | | | | | 16.7% | | |
| Construction period | Duration and % spend per years 1 & 2 | 5 years | 20% | 20% | 4 years | 25% | 25% | 5 years | 20% | 20% | 5 years | 20% | 20% |
| | % spend per years 3, 4, & 5 | 20% | 20% | 20% | 25% | 25% | | 20% | 20% | 20% | 20% | 20% | 20% |
| | % spend per years 6, 7, & 8 | | | | | | | | | | | | |
| Operating period | Duration | 25 years | | | 25 years | | | 25 years | | | 25 years | | |
| | | Commissioning year | | | Commissioning year | | | Commissioning year | | | Commissioning year | | |
| | | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 |
| Pre-development £/kW | High | - | - | 80 | - | - | 50 | - | - | 80 | - | - | 80 |
| | Medium | - | - | 50 | - | - | 30 | - | - | 50 | - | - | 40 |
| | Low | - | - | 30 | - | - | 20 | - | - | 30 | - | - | 30 |
| Construction £/kW | High | - | - | 2,700 | - | - | 1,800 | - | - | 2,600 | - | - | 2,700 |
| | Medium | - | - | 2,100 | - | - | 1,400 | - | - | 2,000 | - | - | 2,100 |
| | Low | - | - | 1,700 | - | - | 1,200 | - | - | 1,700 | - | - | 1,700 |
| Infrastructure £'000s | High | - | - | 30,200 | - | - | - | - | - | 30,200 | - | - | 30,200 |
| | Medium | - | - | 15,100 | - | - | - | - | - | 15,100 | - | - | 15,100 |
| | Low | - | - | 7,600 | - | - | - | - | - | 7,600 | - | - | 7,600 |
| Fixed O&M £/MW/year | Medium | - | - | 31,000 | - | - | 30,900 | - | - | 30,500 | - | - | 83,800 |
| Variable O&M £/MWh | Medium | - | - | 3 | - | - | 3 | - | - | 4 | - | - | 4 |
| Insurance £/MWh/year | Medium | - | - | 7,300 | - | - | 7,400 | - | - | 7,500 | - | - | 7,500 |
| Connection and Use of System charges £/MW/year | Medium | - | - | 3,300 | - | - | 3,300 | - | - | 3,300 | - | - | 3,300 |

| | | Gas - CCS OCGT post FOAK | | | Coal - CCS ASC Partial FOAK | | | Coal - CCS ASC FOAK | | | Coal - CCS ASC retrofit FOAK | | |
|---|--------------------------------------|--------------------------|------|--------|-----------------------------|------|--------|---------------------|------|--------|------------------------------|------|--------|
| Reference plant size | MW | 290 | | | 734 | | | 624 | | | 390 | | |
| Average load factor (net of availability) | % | 85% | | | 91% | | | 91% | | | 91% | | |
| Efficiency (HHV) | % | 24% | | | 38% | | | 32% | | | 31% | | |
| Pre-development period | Duration and % spend per years 1 & 2 | 5 years | 20% | 20% | 5 years | 20% | 20% | 5 years | 20% | 20% | 5 years | 20% | 20% |
| | % spend per years 3, 4, & 5 | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% |
| | % spend per years 6, 7, & 8 | | | | | | | | | | | | |
| Construction period | Duration and % spend per years 1 & 2 | 5 years | 20% | 20% | 5 years | 20% | 20% | 5 years | 20% | 20% | 4 years | 25% | 25% |
| | % spend per years 3, 4, & 5 | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 25% | 25% | |
| | % spend per years 6, 7, & 8 | | | | | | | | | | | | |
| Operating period | Duration | 25 years | | | 25 years | | | 25 years | | | 15 years | | |
| | | Commissioning year | | | Commissioning year | | | Commissioning year | | | Commissioning year | | |
| | | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 |
| Pre-development £/kW | High | - | - | 120 | - | - | 80 | - | - | 110 | - | - | 50 |
| | Medium | - | - | 80 | - | - | 60 | - | - | 70 | - | - | 30 |
| | Low | - | - | 60 | - | - | 40 | - | - | 60 | - | - | 20 |
| Construction £/kW | High | - | - | 3,000 | - | - | 3,400 | - | - | 5,500 | - | - | 3,000 |
| | Medium | - | - | 2,300 | - | - | 2,600 | - | - | 4,200 | - | - | 2,400 |
| | Low | - | - | 1,900 | - | - | 2,100 | - | - | 3,400 | - | - | 1,900 |
| Infrastructure £'000s | High | - | - | 30,200 | - | - | 15,000 | - | - | 15,000 | - | - | - |
| | Medium | - | - | 15,100 | - | - | 10,000 | - | - | 10,000 | - | - | - |
| | Low | - | - | 7,600 | - | - | 5,000 | - | - | 5,000 | - | - | - |
| Fixed O&M £/MW/year | Medium | - | - | 31,800 | - | - | 56,400 | - | - | 78,500 | - | - | 80,700 |
| Variable O&M £/MWh | Medium | - | - | 3 | - | - | 3 | - | - | 3 | - | - | 3 |
| Insurance £/MWh/year | Medium | - | - | 8,500 | - | - | 9,600 | - | - | 15,800 | - | - | 8,200 |
| Connection and Use of System charges £/MW/year | Medium | - | - | 2,500 | - | - | 3,800 | - | - | 3,800 | - | - | 3,800 |

| | | Coal - CCS ASC Oxy FOAK | | | Coal - CCS ASC NH3 FOAK | | | Coal - CCS IGCC FOAK | | | Coal - CCS IGCC partial FOAK | | |
|---|--------------------------------------|-------------------------|-------|--------|-------------------------|------|--------|----------------------|------|--------|------------------------------|------|--------|
| Reference plant size | MW | 552 | | | 624 | | | 652 | | | 760 | | |
| Average load factor (net of availability) | % | 91% | | | 91% | | | 88% | | | 88% | | |
| Efficiency (HHV) | % | 32% | | | 32% | | | 30% | | | 35% | | |
| Pre-development period | Duration and % spend per years 1 & 2 | 6 years | 16.7% | 16.7% | 5 years | 20% | 20% | 5 years | 20% | 20% | 5 years | 20% | 20% |
| | % spend per years 3, 4, & 5 | 16.7% | 16.7% | 16.7% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% |
| | % spend per years 6, 7, & 8 | 16.7% | | | | | | | | | | | |
| Construction period | Duration and % spend per years 1 & 2 | 6 years | 18.2% | 18.2% | 5 years | 20% | 20% | 5 years | 20% | 20% | 5 years | 20% | 20% |
| | % spend per years 3, 4, & 5 | 18.2% | 18.2% | 18.2% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% |
| | % spend per years 6, 7, & 8 | 9.1% | | | | | | | | | | | |
| Operating period | Duration | 25 years | | | 25 years | | | 25 years | | | 25 years | | |
| | | Commissioning year | | | Commissioning year | | | Commissioning year | | | Commissioning year | | |
| | | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 |
| Pre-development £/kW | High | - | - | 80 | - | - | 110 | - | - | 80 | - | - | 60 |
| | Medium | - | - | 40 | - | - | 70 | - | - | 60 | - | - | 40 |
| | Low | - | - | 30 | - | - | 60 | - | - | 50 | - | - | 40 |
| Construction £/kW | High | - | - | 4,400 | - | - | 5,500 | - | - | 5,000 | - | - | 3,600 |
| | Medium | - | - | 3,400 | - | - | 4,200 | - | - | 3,900 | - | - | 2,800 |
| | Low | - | - | 2,900 | - | - | 3,400 | - | - | 3,300 | - | - | 2,400 |
| Infrastructure £'000s | High | - | - | 15,000 | - | - | 15,000 | - | - | 15,000 | - | - | 15,000 |
| | Medium | - | - | 10,000 | - | - | 10,000 | - | - | 10,000 | - | - | 10,000 |
| | Low | - | - | 5,000 | - | - | 5,000 | - | - | 5,000 | - | - | 5,000 |
| Fixed O&M £/MW/year | Medium | - | - | 68,200 | - | - | 79,600 | - | - | 65,300 | - | - | 52,100 |
| Variable O&M £/MWh | Medium | - | - | 6 | - | - | 3 | - | - | 5 | - | - | 5 |
| Insurance £/MWh/year | Medium | - | - | 13,000 | - | - | 19,300 | - | - | 22,700 | - | - | 14,000 |
| Connection and Use of System charges £/MW/year | Medium | - | - | 3,800 | - | - | 3,800 | - | - | 3,800 | - | - | 3,800 |

| | | Coal - CCS IGCC retro FOAK | | |
|---|---|----------------------------|------|--------|
| Reference plant size | MW | 622 | | |
| Average load factor (net of availability) | % | 88% | | |
| Efficiency (HHV) | % | 27% | | |
| Pre-development period | Duration and % spend per years 1 & 2 | 5 years | 20% | 20% |
| | % spend per years 3, 4, & 5 | 20% | 20% | 20% |
| | % spend per years 6, 7, & 8 | | | |
| Construction period | Duration and % spend per years 1 & 2 | 4 years | 25% | 25% |
| | % spend per years 3, 4, & 5 | 25% | 25% | |
| | % spend per years 6, 7, & 8 | | | |
| Operating period | Duration | 25 years | | |
| | | Commissioning year | | |
| | | 2018 | 2020 | 2025 |
| Pre-development £/kW | High | - | - | 100 |
| | Medium | - | - | 60 |
| | Low | - | - | 60 |
| Construction £/kW | High | - | - | 5,400 |
| | Medium | - | - | 4,200 |
| | Low | - | - | 3,600 |
| Infrastructure £'000s | High | - | - | - |
| | Medium | - | - | - |
| | Low | - | - | - |
| Fixed O&M £/MW/year | Medium | - | - | 81,900 |
| Variable O&M £/MWh | Medium | - | - | 6 |
| Insurance £/MWh/year | Medium | - | - | 27,600 |
| Connection and Use of System charges £/MW/year | Medium | - | - | 3,800 |

| | | Dedicated Biomass | | | Conversions | | | Biomass CHP | | | Onshore UK>5MW | | |
|---|--------------------------------------|--------------------|--------|--------|--------------------|--------|-------|--------------------|---------|---------|--------------------|--------|--------|
| Reference plant size | MW | 23 | | | 349 | | | 14 | | | 20 | | |
| Average load factor (net of availability) | % | 84% | | | 79% | | | 80% | | | 32% | | |
| Efficiency (LHV) | % | 29% | | | 40% | | | 23% | | | 0% | | |
| Pre-development period | Duration and % spend per years 1 & 2 | 3 years | 33.3% | 33.3% | 2 years | 50% | 50% | 3 years | 33.3% | 33.3% | 4 years | 25% | 25% |
| | % spend per years 3, 4, & 5 | 33.3% | | | | | | 33.3% | | | 25% | 25% | |
| | % spend per years 6, 7, & 8 | | | | | | | | | | | | |
| Construction period | Duration and % spend per years 1 & 2 | 2 years | 50% | 50% | 2 years | 43.5% | 43.5% | 2 years | 50% | 50% | 2 years | 50% | 50% |
| | % spend per years 3, 4, & 5 | | | | 13% | | | | | | | | |
| | % spend per years 6, 7, & 8 | | | | | | | | | | | | |
| Operating period | Duration | 25 years | | | 15 years | | | 24 years | | | 24 years | | |
| | | Commissioning year | | | Commissioning year | | | Commissioning year | | | Commissioning year | | |
| | | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 |
| Pre-development £/kW | High | 160 | 160 | 160 | 120 | 120 | - | 580 | 580 | 580 | 190 | 190 | 190 |
| | Medium | 110 | 110 | 110 | 80 | 80 | - | 270 | 270 | 270 | 110 | 110 | 110 |
| | Low | 80 | 80 | 80 | 50 | 50 | - | 40 | 40 | 40 | 40 | 40 | 40 |
| Construction £/kW | High | 3,400 | 3,300 | 3,300 | 300 | 300 | - | 5,400 | 5,600 | 5,900 | 1,500 | 1,500 | 1,400 |
| | Medium | 2,900 | 2,900 | 2,800 | 200 | 200 | - | 4,500 | 4,700 | 4,900 | 1,200 | 1,200 | 1,200 |
| | Low | 2,400 | 2,300 | 2,300 | 200 | 200 | - | 3,400 | 3,500 | 3,700 | 900 | 800 | 800 |
| Infrastructure £'000s | High | 500 | 500 | 500 | - | - | - | 1,100 | 1,100 | 1,100 | 4,100 | 4,100 | 4,100 |
| | Medium | 400 | 400 | 400 | - | - | - | 900 | 900 | 900 | 3,300 | 3,300 | 3,300 |
| | Low | 200 | 200 | 200 | - | - | - | 700 | 700 | 700 | 2,300 | 2,300 | 2,300 |
| Fixed O&M £/MW/year | Medium | 65,500 | 65,500 | 65,500 | 22,800 | 22,800 | - | 223,500 | 230,000 | 240,600 | 23,200 | 23,000 | 22,400 |
| Variable O&M £/MWh | Medium | 8 | 8 | 8 | 1 | 1 | - | 11 | 11 | 11 | 5 | 5 | 5 |
| Insurance £/MWh/year | Medium | 11,500 | 11,500 | 11,500 | 11,500 | 11,500 | - | 44,000 | 45,300 | 47,400 | 1,400 | 1,400 | 1,400 |
| Connection and Use of System charges £/MW/year | Medium | 12,900 | 12,900 | 12,900 | 10,500 | 10,500 | - | 15,500 | 16,000 | 16,700 | 3,100 | 3,100 | 3,000 |

Note: The load factor provided above for onshore wind is for plants commissioning from 2020 commissioning onwards. Different load factors apply to the pre 2020 levelised costs results presented in this report (refer to the underlying Arup report for this information).

| | | Offshore R2 | | | Offshore R3 | | | PV>5MW | | | PV 1-5MW ground | | |
|---|--------------------------------------|--------------------|--------|--------|--------------------|---------|---------|--------------------|-------|-------|--------------------|-------|-------|
| Reference plant size | MW | 321 | | | 844 | | | 16 | | | 4 | | |
| Average load factor (net of availability) | % | 43% | | | 48% | | | 11% | | | 11% | | |
| Efficiency (LHV) | % | 0% | | | 0% | | | 0% | | | 0% | | |
| Pre-development period | Duration and % spend per years 1 & 2 | 5 years | 22.2% | 22.2% | 5 years | 22.2% | 22.2% | 1 years | 100% | | 1 years | 100% | |
| | % spend per years 3, 4, & 5 | 22.2% | 22.2% | 11.1% | 22.2% | 22.2% | 11.1% | | | | | | |
| | % spend per years 6, 7, & 8 | | | | | | | | | | | | |
| Construction period | Duration and % spend per years 1 & 2 | 3 years | 33.3% | 33.3% | 3 years | 33.3% | 33.3% | 0 years | 100% | | 0 years | 100% | |
| | % spend per years 3, 4, & 5 | 33.3% | | | 33.3% | | | | | | | | |
| | % spend per years 6, 7, & 8 | | | | | | | | | | | | |
| Operating period | Duration | 23 years | | | 22 years | | | 25 years | | | 25 years | | |
| | | Commissioning year | | | Commissioning year | | | Commissioning year | | | Commissioning year | | |
| | | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 |
| Pre-development £/kW | High | 150 | 150 | 150 | 190 | 190 | 190 | 170 | 170 | 170 | 60 | 60 | 60 |
| | Medium | 60 | 60 | 60 | 120 | 120 | 120 | 70 | 70 | 70 | 60 | 60 | 60 |
| | Low | 20 | 20 | 20 | 60 | 60 | 60 | 10 | 10 | 10 | 60 | 60 | 60 |
| Construction £/kW | High | 3,100 | 3,000 | 2,700 | 2,700 | 2,600 | 2,400 | 700 | 700 | 600 | 900 | 800 | 700 |
| | Medium | 2,200 | 2,100 | 1,900 | 2,400 | 2,300 | 2,100 | 700 | 600 | 600 | 700 | 700 | 600 |
| | Low | 1,700 | 1,600 | 1,500 | 2,100 | 2,000 | 1,800 | 600 | 600 | 500 | 600 | 600 | 500 |
| Infrastructure £'000s | High | 97,400 | 97,400 | 97,400 | 372,400 | 372,400 | 372,400 | 400 | 400 | 400 | 300 | 300 | 300 |
| | Medium | 69,300 | 69,300 | 69,300 | 323,000 | 323,000 | 323,000 | 400 | 400 | 400 | 200 | 200 | 200 |
| | Low | 53,000 | 53,000 | 53,000 | 281,400 | 281,400 | 281,400 | 400 | 400 | 400 | 200 | 200 | 200 |
| Fixed O&M £/MW/year | Medium | 30,900 | 30,000 | 28,600 | 48,600 | 47,300 | 45,400 | 5,600 | 5,400 | 5,100 | 8,300 | 8,000 | 7,500 |
| Variable O&M £/MWh | Medium | 3 | 3 | 3 | 4 | 3 | 3 | - | - | - | - | - | - |
| Insurance £/MWh/year | Medium | 1,400 | 1,400 | 1,300 | 3,300 | 3,300 | 3,100 | 2,000 | 1,900 | 1,800 | 1,200 | 1,100 | 1,100 |
| Connection and Use of System charges £/MW/year | Medium | 33,500 | 32,600 | 31,100 | 50,300 | 48,900 | 47,000 | 1,300 | 1,300 | 1,200 | 1,300 | 1,300 | 1,200 |

Note: The load factor provided above for offshore wind round 2 and 3 is for plants commissioning from 2020 commissioning onwards. Different load factors apply to the pre 2020 levelised costs results presented in this report (refer to the underlying Arup report for this information).

| | | PV 1-5MW building | | | EfW | | | EfW CHP | | | AD | | |
|---|--------------------------------------|--------------------|-------|-------|--------------------|---------|---------|--------------------|---------|---------|--------------------|--------|--------|
| Reference plant size | MW | 1 | | | 30 | | | 24 | | | 2 | | |
| Average load factor (net of availability) | % | 11% | | | 81% | | | 81% | | | 79% | | |
| Efficiency (LHV) | % | 0% | | | 28% | | | 22% | | | 40% | | |
| Pre-development period | Duration and % spend per years 1 & 2 | 1 years | 100% | | 4 years | 22.8% | 22.8% | 4 years | 22.8% | 22.8% | 2 years | 66.7% | 33.3% |
| | % spend per years 3, 4, & 5 | | | | 22.8% | 22.8% | 9% | 22.8% | 22.8% | 9% | | | |
| | % spend per years 6, 7, & 8 | | | | | | | | | | | | |
| Construction period | Duration and % spend per years 1 & 2 | 0 years | 100% | | 3 years | 33.3% | 33.3% | 3 years | 33.3% | 33.3% | 1 years | 100% | |
| | % spend per years 3, 4, & 5 | | | | 33.3% | | | 33.3% | | | | | |
| | % spend per years 6, 7, & 8 | | | | | | | | | | | | |
| Operating period | Duration | 25 years | | | 35 years | | | 35 years | | | 20 years | | |
| | | Commissioning year | | | Commissioning year | | | Commissioning year | | | Commissioning year | | |
| | | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 |
| Pre-development £/kW | High | 20 | 20 | 20 | 390 | 390 | 390 | 300 | 300 | 300 | 440 | 440 | 440 |
| | Medium | 20 | 20 | 20 | 230 | 230 | 230 | 210 | 210 | 210 | 340 | 340 | 340 |
| | Low | 20 | 20 | 20 | 110 | 110 | 110 | 130 | 130 | 130 | 260 | 260 | 260 |
| Construction £/kW | High | 800 | 800 | 700 | 12,500 | 12,400 | 12,200 | 15,900 | 15,800 | 15,600 | 4,900 | 4,900 | 4,900 |
| | Medium | 700 | 700 | 600 | 8,200 | 8,100 | 8,000 | 13,300 | 13,200 | 13,000 | 3,700 | 3,700 | 3,700 |
| | Low | 700 | 600 | 600 | 4,600 | 4,600 | 4,500 | 10,300 | 10,300 | 10,100 | 2,900 | 2,900 | 2,900 |
| Infrastructure £'000s | High | - | - | - | 6,600 | 6,600 | 6,600 | 8,500 | 8,500 | 8,500 | 1,000 | 1,000 | 1,000 |
| | Medium | - | - | - | 4,600 | 4,600 | 4,600 | 5,900 | 5,900 | 5,900 | 700 | 700 | 700 |
| | Low | - | - | - | 2,500 | 2,500 | 2,500 | 3,000 | 3,000 | 3,000 | 500 | 500 | 500 |
| Fixed O&M £/MW/year | Medium | 6,600 | 6,300 | 5,900 | 139,500 | 137,900 | 134,800 | 153,000 | 151,300 | 147,900 | 78,100 | 78,100 | 78,100 |
| Variable O&M £/MWh | Medium | 3 | 3 | 3 | 25 | 25 | 24 | 55 | 55 | 53 | 81 | 81 | 81 |
| Insurance £/MWh/year | Medium | 2,600 | 2,600 | 2,400 | 30,500 | 30,100 | 29,500 | 85,200 | 84,300 | 82,400 | 54,200 | 54,200 | 54,200 |
| Connection and Use of System charges £/MW/year | Medium | 1,300 | 1,300 | 1,200 | 16,700 | 16,500 | 16,100 | 16,700 | 16,500 | 16,100 | 12,900 | 12,900 | 12,900 |

| | | AD CHP | | | ACT Standard | | | ACT Advanced | | | ACT CHP | | |
|---|--------------------------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|
| Reference plant size | MW | 2 | | | 12 | | | 9 | | | 1 | | |
| Average load factor (net of availability) | % | 79% | | | 83% | | | 83% | | | 83% | | |
| Efficiency (LHV) | % | 32% | | | 21% | | | 25% | | | 24% | | |
| Pre-development period | Duration and % spend per years 1 & 2 | 2 years | 66.7% | 33.3% | 3 years | 36.4% | 36.4% | 3 years | 36.4% | 36.4% | 3 years | 36.4% | 36.4% |
| | % spend per years 3, 4, & 5 | | | | 27.3% | | | 27.3% | | | 27.3% | | |
| | % spend per years 6, 7, & 8 | | | | | | | | | | | | |
| Construction period | Duration and % spend per years 1 & 2 | 1 years | 100% | | 2 years | 50% | 50% | 2 years | 44.4% | 44.4% | 2 years | 44.4% | 44.4% |
| | % spend per years 3, 4, & 5 | | | | | | | 11.1% | | | 11.1% | | |
| | % spend per years 6, 7, & 8 | | | | | | | | | | | | |
| Operating period | Duration | 20 years | | | 25 years | | | 25 years | | | 25 years | | |
| | | Commissioning year | | | Commissioning year | | | Commissioning year | | | Commissioning year | | |
| | | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 |
| Pre-development £/kW | High | 440 | 440 | 440 | 300 | 300 | 300 | 980 | 980 | 980 | 980 | 980 | 980 |
| | Medium | 340 | 340 | 340 | 180 | 180 | 180 | 410 | 410 | 410 | 410 | 410 | 410 |
| | Low | 260 | 260 | 260 | 50 | 50 | 50 | 90 | 90 | 90 | 90 | 90 | 90 |
| Construction £/kW | High | 5,600 | 5,600 | 5,600 | 7,100 | 6,900 | 6,600 | 12,300 | 12,000 | 11,400 | 16,700 | 16,300 | 15,400 |
| | Medium | 4,300 | 4,300 | 4,300 | 6,100 | 6,000 | 5,600 | 7,100 | 7,000 | 6,600 | 9,000 | 8,800 | 8,300 |
| | Low | 3,300 | 3,300 | 3,300 | 4,200 | 4,100 | 3,900 | 4,300 | 4,200 | 4,000 | 4,900 | 4,800 | 4,500 |
| Infrastructure £'000s | High | 1,000 | 1,000 | 1,000 | 1,600 | 1,600 | 1,600 | 1,600 | 1,600 | 1,600 | 1,600 | 1,600 | 1,600 |
| | Medium | 700 | 700 | 700 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 |
| | Low | 500 | 500 | 500 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Fixed O&M £/MW/year | Medium | 132,000 | 132,000 | 132,000 | 232,400 | 229,700 | 223,200 | 157,700 | 156,000 | 151,600 | 157,700 | 156,000 | 151,600 |
| Variable O&M £/MWh | Medium | 81 | 81 | 81 | 21 | 21 | 20 | 40 | 39 | 38 | 40 | 39 | 38 |
| Insurance £/MWh/year | Medium | 54,200 | 54,200 | 54,200 | 56,700 | 56,000 | 54,400 | 83,300 | 82,400 | 80,100 | 83,300 | 82,400 | 80,100 |
| Connection and Use of System charges £/MW/year | Medium | 12,900 | 12,900 | 12,900 | 12,700 | 12,600 | 12,200 | 12,700 | 12,600 | 12,200 | 12,700 | 12,600 | 12,200 |

| | | Landfill gas | | | Sewage gas | | | Geothermal CHP | | | Hydro Large Store | | |
|---|--------------------------------------|------------------------|--------|--------|--------------------|--------|--------|--------------------|--------|--------|--------------------|--------|--------|
| Reference plant size | MW | 2 | | | 3 | | | 3 | | | 11 | | |
| Average load factor (net of availability) | % | 58% | | | 46% | | | 90% | | | 45% | | |
| Efficiency (LHV) | % | 100% | | | 100% | | | 100% | | | 100% | | |
| Pre-development period | Duration and % spend per years 1 & 2 | 1 years | 100% | | 1 years | 100% | | 1 years | 100% | | 0 years | 70% | 30% |
| | % spend per years 3, 4, & 5 | | | | | | | | | | | | |
| | % spend per years 6, 7, & 8 | | | | | | | | | | | | |
| Construction period | Duration and % spend per years 1 & 2 | 0 years | 100% | | 2 years | 56% | 44% | 3 years | 33.3% | 33.3% | 2 years | 70% | 30% |
| | % spend per years 3, 4, & 5 | | | | | | | 33.3% | | | | | |
| | % spend per years 6, 7, & 8 | | | | | | | | | | | | |
| Operating period | Duration | 27.8571428571429 years | | | 20 years | | | 25 years | | | 41 years | | |
| | | Commissioning year | | | Commissioning year | | | Commissioning year | | | Commissioning year | | |
| | | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 |
| Pre-development £/kW | High | 60 | 60 | 60 | 420 | 420 | 420 | 130 | 130 | 130 | - | - | - |
| | Medium | 40 | 40 | 40 | 420 | 420 | 420 | 110 | 110 | 110 | 60 | 60 | 60 |
| | Low | 20 | 20 | 20 | 410 | 410 | 410 | 80 | 80 | 80 | - | - | - |
| Construction £/kW | High | 3,600 | 3,600 | 3,600 | 7,000 | 7,000 | 7,000 | 9,400 | 9,300 | 9,100 | - | - | - |
| | Medium | 2,200 | 2,200 | 2,200 | 5,100 | 5,100 | 5,100 | 6,900 | 6,800 | 6,700 | 3,200 | 3,200 | 3,200 |
| | Low | 800 | 800 | 800 | 1,800 | 1,800 | 1,800 | 3,000 | 3,000 | 2,900 | - | - | - |
| Infrastructure £'000s | High | 1,000 | 1,000 | 1,000 | 200 | 200 | 200 | 500 | 500 | 500 | - | - | - |
| | Medium | 700 | 700 | 700 | 200 | 200 | 200 | 300 | 300 | 300 | - | - | - |
| | Low | 500 | 500 | 500 | 100 | 100 | 100 | 200 | 200 | 200 | - | - | - |
| Fixed O&M £/MW/year | Medium | 81,000 | 81,000 | 81,000 | 48,600 | 48,600 | 48,600 | 81,000 | 81,000 | 81,000 | 25,700 | 25,700 | 25,700 |
| Variable O&M £/MWh | Medium | 9 | 9 | 9 | 12 | 12 | 12 | 12 | 12 | 12 | 6 | 6 | 6 |
| Insurance £/MWh/year | Medium | 1,600 | 1,600 | 1,600 | 36,600 | 36,600 | 36,600 | 1,600 | 1,600 | 1,600 | 1,000 | 1,000 | 1,000 |
| Connection and Use of System charges £/MW/year | Medium | 6,500 | 6,500 | 6,500 | 12,900 | 12,900 | 12,900 | 12,900 | 12,900 | 12,900 | 7,600 | 7,600 | 7,600 |

| | | Hydro 5-16MW | | | Wave | | | Tidal stream | | |
|---|--------------------------------------|--------------------|--------|--------|--------------------|-------|--------|--------------------|-------|--------|
| Reference plant size | MW | 11 | | | 9 | | | 18 | | |
| Average load factor (net of availability) | % | 35% | | | 30% | | | 31% | | |
| Efficiency (LHV) | % | 100% | | | 100% | | | 100% | | |
| Pre-development period | Duration and % spend per years 1 & 2 | 2 years | 77% | 23% | 3 years | 33.3% | 33.3% | 4 years | 23.3% | 23.3% |
| | % spend per years 3, 4, & 5 | | | | 33.3% | | | 23.3% | 23.3% | 7% |
| | % spend per years 6, 7, & 8 | | | | | | | | | |
| Construction period | Duration and % spend per years 1 & 2 | 2 years | 70% | 30% | 2 years | 50% | 50% | 2 years | 55.5% | 44.5% |
| | % spend per years 3, 4, & 5 | | | | | | | | | |
| | % spend per years 6, 7, & 8 | | | | | | | | | |
| Operating period | Duration | 41 years | | | 20 years | | | 22 years | | |
| | | Commissioning year | | | Commissioning year | | | Commissioning year | | |
| | | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 |
| Pre-development £/kW | High | 300 | 300 | 300 | - | - | 270 | - | - | 270 |
| | Medium | 60 | 60 | 60 | - | - | 130 | - | - | 130 |
| | Low | 40 | 40 | 40 | - | - | 40 | - | - | 40 |
| Construction £/kW | High | 3,100 | 3,100 | 3,100 | - | - | 6,200 | - | - | 6,000 |
| | Medium | 3,000 | 3,000 | 3,000 | - | - | 4,500 | - | - | 4,200 |
| | Low | 1,600 | 1,600 | 1,600 | - | - | 2,600 | - | - | 2,400 |
| Infrastructure £'000s | High | - | - | - | - | - | 7,000 | - | - | 10,500 |
| | Medium | - | - | - | - | - | 5,100 | - | - | 7,400 |
| | Low | - | - | - | - | - | 2,900 | - | - | 4,200 |
| Fixed O&M £/MW/year | Medium | 45,100 | 45,100 | 45,100 | - | - | 40,600 | - | - | 91,400 |
| Variable O&M £/MWh | Medium | 6 | 6 | 6 | - | - | 24 | - | - | 7 |
| Insurance £/MWh/year | Medium | - | - | - | - | - | 11,900 | - | - | 2,500 |
| Connection and Use of System charges £/MW/year | Medium | - | - | - | - | - | 32,300 | - | - | 60,400 |

| | | Solar 100-1000kW | | | Solar <10kW | | | Onshore <50kW | | | Onshore 250-1000kW | | |
|---|--------------------------------------|--------------------|-------|-------|--------------------|--------|--------|--------------------|--------|--------|--------------------|--------|--------|
| Reference plant size | MW | 0.455 | | | 0.003 | | | 0.010 | | | 0.482 | | |
| Average load factor (net of availability) | % | 11% | | | 11% | | | 21% | | | 26% | | |
| Efficiency (LHV) | % | 100% | | | 100% | | | 100% | | | 100% | | |
| Pre-development period | Duration and % spend per years 1 & 2 | 0 years | | | 0 years | | | 0 years | | | 0 years | | |
| | % spend per years 3, 4, & 5 | | | | | | | | | | | | |
| | % spend per years 6, 7, & 8 | | | | | | | | | | | | |
| Construction period | Duration and % spend per years 1 & 2 | 0 years | 100% | | 0 years | 100% | | 0 years | 100% | | 0 years | 100% | |
| | % spend per years 3, 4, & 5 | | | | | | | | | | | | |
| | % spend per years 6, 7, & 8 | | | | | | | | | | | | |
| Operating period | Duration | 30 years | | | 30 years | | | 20 years | | | 20 years | | |
| | | Commissioning year | | | Commissioning year | | | Commissioning year | | | Commissioning year | | |
| | | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 |
| Pre-development £/kW | High | - | - | - | - | - | - | - | - | - | - | - | - |
| | Medium | - | - | - | - | - | - | - | - | - | - | - | - |
| | Low | - | - | - | - | - | - | - | - | - | - | - | - |
| Construction £/kW | High | 1,300 | 1,200 | 1,200 | 1,900 | 1,800 | 1,700 | 4,600 | 4,500 | 4,300 | 2,700 | 2,700 | 2,500 |
| | Medium | 1,000 | 1,000 | 900 | 1,500 | 1,500 | 1,400 | 3,700 | 3,600 | 3,500 | 2,200 | 2,100 | 2,000 |
| | Low | 800 | 800 | 700 | 1,200 | 1,100 | 1,000 | 2,800 | 2,800 | 2,600 | 1,700 | 1,600 | 1,500 |
| Infrastructure £'000s | High | 200 | 200 | 200 | - | - | - | - | - | - | 200 | 200 | 200 |
| | Medium | 200 | 200 | 200 | - | - | - | - | - | - | 200 | 200 | 200 |
| | Low | 200 | 200 | 200 | - | - | - | - | - | - | 200 | 200 | 200 |
| Fixed O&M £/MW/year | Medium | 9,400 | 9,400 | 9,200 | 23,500 | 23,400 | 23,200 | 29,700 | 29,600 | 29,600 | 56,900 | 56,900 | 56,700 |
| Variable O&M £/MWh | Medium | - | - | - | - | - | - | - | - | - | - | - | - |
| Insurance £/MWh/year | Medium | - | - | - | - | - | - | - | - | - | - | - | - |
| Connection and Use of System charges £/MW/year | Medium | - | - | - | - | - | - | - | - | - | - | - | - |

| | | AD < 250kW | | | Hydropower <100kW | | | Hydropower 500-2000kW | | |
|---|--------------------------------------|--------------------|---------|---------|--------------------|--------|--------|-----------------------|--------|--------|
| Reference plant size | MW | 0.155 | | | 0.033 | | | 1.046 | | |
| Average load factor (net of availability) | % | 65% | | | 60% | | | 40% | | |
| Efficiency (LHV) | % | 38% | | | 100% | | | 100% | | |
| Pre-development period | Duration and % spend per years 1 & 2 | 0 years | | | 0 years | | | 0 years | | |
| | % spend per years 3, 4, & 5 | | | | | | | | | |
| | % spend per years 6, 7, & 8 | | | | | | | | | |
| Construction period | Duration and % spend per years 1 & 2 | 0 years | 100% | | 0 years | 100% | | 0 years | 100% | |
| | % spend per years 3, 4, & 5 | | | | | | | | | |
| | % spend per years 6, 7, & 8 | | | | | | | | | |
| Operating period | Duration | 20 years | | | 35 years | | | 35 years | | |
| | | Commissioning year | | | Commissioning year | | | Commissioning year | | |
| | | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 | 2018 | 2020 | 2025 |
| Pre-development £/kW | High | - | - | - | - | - | - | - | - | - |
| | Medium | - | - | - | - | - | - | - | - | - |
| | Low | - | - | - | - | - | - | - | - | - |
| Construction £/kW | High | 7,900 | 7,700 | 7,300 | 7,800 | 7,800 | 7,800 | 4,100 | 4,100 | 4,100 |
| | Medium | 5,800 | 5,700 | 5,400 | 6,300 | 6,300 | 6,300 | 3,300 | 3,300 | 3,300 |
| | Low | 3,700 | 3,600 | 3,400 | 4,800 | 4,800 | 4,800 | 2,500 | 2,500 | 2,500 |
| Infrastructure £'000s | High | 100 | 100 | 100 | - | - | - | 400 | 400 | 400 |
| | Medium | 100 | 100 | 100 | - | - | - | 400 | 400 | 400 |
| | Low | 100 | 100 | 100 | - | - | - | 400 | 400 | 400 |
| Fixed O&M £/MW/year | Medium | 758,700 | 758,700 | 758,700 | 83,300 | 83,300 | 83,300 | 18,200 | 18,200 | 18,200 |
| Variable O&M £/MWh | Medium | - | - | - | - | - | - | - | - | - |
| Insurance £/MWh/year | Medium | - | - | - | - | - | - | - | - | - |
| Connection and Use of System charges £/MW/year | Medium | - | - | - | - | - | - | - | - | - |