# Annex 3 – Inputs for DE/Renewables Scenario, the Greenpeace Scenario and the Sensitivity Scenarios

Table A3.1 DE/Renewables scenario: Future Growth Determination

| | Future Growth Determination | | | | | | | | | | | PEAK |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CG | Existing % of CG Total | New Capacity Generation %; year 1 | | New Capacity Generation %; year 6 | | New Capacity Generation %; year 11 | | New Capacity Generation %; year 16 | | New Capacity Generation %; year 20 | | Future Peak Capacity % of Total |
| | 35.50% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 1.30% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 2.48% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 1.21% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 50.00% |
| | 31.97% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 50.00% |
| | 1.70% | 10.00% | 10.0% | 15.00% | 15.0% | 20.00% | 20.0% | 20.00% | 20.0% | 25.00% | 25.0% | 0.00% |
| | 22.18% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 1.99% | 1.00% | 1.0% | 1.00% | 1.0% | 1.00% | 1.0% | 1.00% | 1.0% | 1.00% | 1.0% | 0.00% |
| | 1.34% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 0.00% | 0.00% | 0.0% | 1.00% | 1.0% | 2.00% | 2.0% | 2.00% | 2.0% | 2.00% | 2.0% | 0.00% |
| | 0.33% | 84.00% | 84.0% | 73.00% | 73.0% | 62.00% | 62.0% | 59.00% | 59.0% | 52.00% | 52.0% | 0.00% |
| | 0.00% | 5.00% | 5.0% | 10.00% | 10.0% | 15.00% | 15.0% | 18.00% | 18.0% | 20.00% | 20.0% | 0.00% |
| | 0.00% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 0.00% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 0.00% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | **100.0%** | **100.0%** | **100.0%** | | **100.0%** | | **100.0%** | | **100.0%** | | **100.0%** | **100.0%** |
| **DE** | Existing % of DE Generation | New Capacity Generation %; year 1 | | New Capacity Generation %; year 6 | | New Capacity Generation %; year 11 | | New Capacity Generation %; year 16 | | New Capacity Generation %; year 20 | | Future Peak Capacity % of Total |
| | 74.84% | 76.00% | 76.0% | 65.89% | 65.9% | 56.79% | 56.8% | 50.68% | 50.7% | 40.50% | 40.5% | 50.00% |
| | 0.00% | 1.00% | 1.0% | 4.95% | 4.9% | 9.89% | 9.9% | 12.84% | 12.8% | 17.00% | 17.0% | 50.00% |
| | 22.79% | 10.00% | 10.0% | 9.95% | 9.9% | 9.89% | 9.9% | 8.84% | 8.8% | 8.50% | 8.5% | 0.00% |
| | 1.89% | 8.00% | 8.0% | 13.63% | 13.6% | 17.26% | 17.3% | 19.89% | 19.9% | 22.00% | 22.0% | 0.00% |
| | 0.47% | 3.00% | 3.0% | 2.74% | 2.7% | 2.47% | 2.5% | 2.21% | 2.2% | 4.00% | 4.0% | 0.00% |
| | 0.00% | 2.00% | 2.0% | 2.05% | 2.1% | 2.51% | 2.5% | 2.76% | 2.8% | 4.00% | 4.0% | 0.00% |
| | 0.01% | 0.00% | 0.0% | 0.79% | 0.8% | 1.18% | 1.2% | 2.77% | 2.8% | 4.00% | 4.0% | 0.00% |
| | 0.00% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 0.00% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 0.00% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | **100.00%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.00%** |

Table A3.2 Greenpeace scenario: Future Growth Determination

| | Future Growth Determination | | | | | | | | | | | PEAK |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CG | Existing % of CG Total | New Capacity Generation %; year 1 | | New Capacity Generation %; year 6 | | New Capacity Generation %; year 11 | | New Capacity Generation %; year 16 | | New Capacity Generation %; year 20 | | Future Peak Capacity % of Total |
| | 35.50% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 1.30% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 2.48% | 4.00% | 4.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 1.21% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 31.97% | 59.00% | 59.0% | 46.00% | 46.0% | 34.00% | 34.0% | 24.00% | 24.0% | 14.00% | 14.0% | 50.00% |
| | 1.70% | 10.00% | 10.0% | 15.00% | 15.0% | 17.00% | 17.0% | 20.00% | 20.0% | 25.00% | 25.0% | 50.00% |
| | 22.18% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 1.99% | 1.00% | 1.0% | 1.00% | 1.0% | 1.00% | 1.0% | 1.00% | 1.0% | 1.00% | 1.0% | 0.00% |
| | 1.34% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 0.00% | 0.00% | 0.0% | 3.00% | 3.0% | 5.00% | 5.0% | 5.00% | 5.0% | 5.00% | 5.0% | 0.00% |
| | 0.33% | 20.00% | 20.0% | 23.00% | 23.0% | 25.00% | 25.0% | 28.00% | 28.0% | 30.00% | 30.0% | 0.00% |
| | 0.00% | 5.00% | 5.0% | 10.00% | 10.0% | 15.00% | 15.0% | 18.00% | 18.0% | 20.00% | 20.0% | 0.00% |
| | 0.00% | 1.00% | 1.0% | 2.00% | 2.0% | 3.00% | 3.0% | 4.00% | 4.0% | 5.00% | 5.0% | 0.00% |
| | 0.00% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 0.00% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | **100.0%** | **100.0%** | **100.0%** | | **100.0%** | | **100.0%** | | **100.0%** | | **100.0%** | **100.0%** |
| **DE** | Existing % of DE Generation | New Capacity Generation %; year 1 | | New Capacity Generation %; year 6 | | New Capacity Generation %; year 11 | | New Capacity Generation %; year 16 | | New Capacity Generation %; year 20 | | Future Peak Capacity % of Total |
| | 74.84% | 76.00% | 76.0% | 56.00% | 56.0% | 30.00% | 30.0% | 10.00% | 10.0% | 0.00% | 0.0% | 0.00% |
| | 0.00% | 4.00% | 4.0% | 6.00% | 6.0% | 10.00% | 10.0% | 10.00% | 10.0% | 2.00% | 2.0% | 50.00% |
| | 22.79% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 1.89% | 10.00% | 10.0% | 20.00% | 20.0% | 34.00% | 34.0% | 44.00% | 44.0% | 52.00% | 52.0% | 50.00% |
| | 0.47% | 5.00% | 5.0% | 6.00% | 6.0% | 7.00% | 7.0% | 8.00% | 8.0% | 9.00% | 9.0% | 0.00% |
| | 0.00% | 5.00% | 5.0% | 11.00% | 11.0% | 16.00% | 16.0% | 23.00% | 23.0% | 30.00% | 30.0% | 0.00% |
| | 0.01% | 0.00% | 0.0% | 1.00% | 1.0% | 3.00% | 3.0% | 5.00% | 5.0% | 7.00% | 7.0% | 0.00% |
| | 0.00% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 0.00% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 0.00% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | **100.00%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.00%** |

## Table A3.3 Fuel Price scenarios: Fuel Price Inputs

| Low Fuel Price | | | | High Fuel Price | | | |
|---|---|---|---|---|---|---|---|
| Fuel Cost £ / GJ | | Fuel Cost Annualized Increase (Reduction) | | Fuel Cost £ / GJ | | Fuel Cost Annualized Increase (Reduction) | |
| 0.96 | 0.96 | 0.0% | 0% | 0.96 | 0.96 | 2.0% | 2% |
| 3.92 | 3.92 | 1.0% | 1% | 3.92 | 3.92 | 6.0% | 6% |
| 2.5 | 2.5 | 1.0% | 1% | 2.5 | 2.5 | 4.0% | 4% |
| 3 | 3 | 2.0% | 2% | 3 | 3 | 6.0% | 6% |
| 3.19 | 3.19 | 2.0% | 2% | 3.19 | 3.19 | 10.0% | 10% |
| 2.00 | 2 | 0.0% | 0% | 2.00 | 2 | 2.0% | 2% |
| 0.35 | 0.35 | 1.0% | 1% | 0.35 | 0.35 | 2.0% | 2% |
| 0 | 0 | 0.0% | 0% | 0 | 0 | 0.0% | 0% |
| 0 | 0 | 0.0% | 0% | 0 | 0 | 0.0% | 0% |
| 0 | 0 | 0.0% | 0% | 0 | 0 | 0.0% | 0% |
| 0 | 0 | 0.0% | 0% | 0 | 0 | 0.0% | 0% |
| 0 | 0 | 0.0% | 0% | 0 | 0 | 0.0% | 0% |
| 0 | 0 | 0.0% | 0% | 0 | 0 | 0.0% | 0% |
| 0 | 0 | 0.0% | 0% | 0 | 0 | 0.0% | 0% |
| 0 | 0 | 0.0% | 0% | 0 | 0 | 0.0% | 0% |
| 3.65 | 3.65 | 2.0% | 2% | 3.65 | 3.65 | 10.0% | 10% |
| 5.54 | 5.54 | 2.0% | 2% | 5.54 | 5.54 | 10.0% | 10% |
| 2.98 | 2.98 | 0.0% | 0% | 2.98 | 2.98 | 2.0% | 2% |
| 2.5 | 2.5 | 0.0% | 0% | 2.5 | 2.5 | 2.0% | 2% |
| 0 | 0 | 0.0% | 0% | 0 | 0 | 0.0% | 0% |
| 0 | 0 | 0.0% | 0% | 0 | 0 | 0.0% | 0% |
| 0 | 0 | 0.0% | 0% | 0 | 0 | 0.0% | 0% |
| | | 0.0% | 0% | | | 0.0% | 0% |
| | 0 | 0.0% | 0% | | 0 | 0.0% | 0% |
| | 0 | 0.0% | 0% | | 0 | 0.0% | 0% |

## Table A3.4 No-Nuclear scenario: Future Growth Determination

| | Future Growth Determination | | | | | | | | | | | PEAK |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CG | Existing % of CG Total | New Capacity Generation %; year 1 | | New Capacity Generation %; year 6 | | New Capacity Generation %; year 11 | | New Capacity Generation %; year 16 | | New Capacity Generation %; year 20 | | Future Peak Capacity % of Total |
| | 35.50% | 7.00% | 7.0% | 6.00% | 6.0% | 5.00% | 5.0% | 4.00% | 4.0% | 2.00% | 2.0% | 0.00% |
| | 1.30% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 2.48% | 8.00% | 8.0% | 7.50% | 7.5% | 5.00% | 5.0% | 3.00% | 3.0% | 1.00% | 1.0% | 0.00% |
| | 1.21% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 50.00% |
| | 31.97% | 65.00% | 65.0% | 60.00% | 60.0% | 54.00% | 54.0% | 51.00% | 51.0% | 50.00% | 50.0% | 50.00% |
| | 1.70% | 4.00% | 4.0% | 7.50% | 7.5% | 13.00% | 13.0% | 14.00% | 14.0% | 15.00% | 15.0% | 0.00% |
| | 22.18% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 1.99% | 1.00% | 1.0% | 1.00% | 1.0% | 1.00% | 1.0% | 1.00% | 1.0% | 1.00% | 1.0% | 0.00% |
| | 1.34% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 0.00% | 0.00% | 0.0% | 1.00% | 1.0% | 2.00% | 2.0% | 2.00% | 2.0% | 4.00% | 4.0% | 0.00% |
| | 0.33% | 10.00% | 10.0% | 10.00% | 10.0% | 10.00% | 10.0% | 10.00% | 10.0% | 10.00% | 10.0% | 0.00% |
| | 0.00% | 5.00% | 5.0% | 7.00% | 7.0% | 10.00% | 10.0% | 15.00% | 15.0% | 17.00% | 17.0% | 0.00% |
| | 0.00% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 0.00% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 0.00% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | **100.0%** | **100.0%** | **100.0%** | | **100.0%** | | **100.0%** | | **100.0%** | | **100.0%** | **100.0%** |

# Table A3.5 No New Central Gas scenario: Future Growth Determination

| Future Growth Determination | | | | | | | | | | | | PEAK |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **CG** | Existing % of CG Total | New Capacity Generation %; year 1 | | New Capacity Generation %; year 6 | | New Capacity Generation %; year 11 | | New Capacity Generation %; year 16 | | New Capacity Generation %; year 20 | | **Future Peak Capacity % of Total** |
| | 35.50% | 72.00% | 72.0% | 61.50% | 61.5% | 40.00% | 40.0% | 21.00% | 21.0% | 14.00% | 14.0% | 100.00% |
| | 1.30% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 2.48% | 8.00% | 8.0% | 8.00% | 8.0% | 8.00% | 8.0% | 8.00% | 8.0% | 8.00% | 8.0% | 0.00% |
| | 1.21% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 31.97% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 1.70% | 4.00% | 4.0% | 7.50% | 7.5% | 13.00% | 13.0% | 14.00% | 14.0% | 15.00% | 15.0% | 0.00% |
| | 22.18% | 0.00% | 0.0% | 0.00% | 0.0% | 10.00% | 10.0% | 20.00% | 20.0% | 20.00% | 20.0% | 0.00% |
| | 1.99% | 1.00% | 1.0% | 1.00% | 1.0% | 1.00% | 1.0% | 1.00% | 1.0% | 1.00% | 1.0% | 0.00% |
| | 1.34% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 0.00% | 0.00% | 0.0% | 2.00% | 2.0% | 3.00% | 3.0% | 3.00% | 3.0% | 5.00% | 5.0% | 0.00% |
| | 0.33% | 10.00% | 10.0% | 13.00% | 13.0% | 15.00% | 15.0% | 18.00% | 18.0% | 20.00% | 20.0% | 0.00% |
| | 0.00% | 5.00% | 5.0% | 7.00% | 7.0% | 10.00% | 10.0% | 15.00% | 15.0% | 17.00% | 17.0% | 0.00% |
| | 0.00% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 0.00% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 0.00% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | **100.0%** | **100.0%** | **100.0%** | | **100.0%** | | **100.0%** | | **100.0%** | | **100.0%** | **100.0%** |
| **DE** | Existing % of DE Generation | New Capacity Generation %; year 1 | | New Capacity Generation %; year 6 | | New Capacity Generation %; year 11 | | New Capacity Generation %; year 16 | | New Capacity Generation %; year 20 | | **Future Peak Capacity % of Total** |
| | 74.84% | 36.00% | 36.0% | 25.89% | 25.9% | 16.79% | 16.8% | 10.68% | 10.7% | 0.00% | 0.0% | 0.00% |
| | 0.00% | 1.00% | 1.0% | 4.95% | 4.9% | 9.89% | 9.9% | 12.84% | 12.8% | 17.00% | 17.0% | 0.00% |
| | 22.79% | 50.00% | 50.0% | 49.95% | 49.9% | 49.89% | 49.9% | 48.84% | 48.8% | 49.00% | 49.0% | 100.00% |
| | 1.89% | 8.00% | 8.0% | 13.63% | 13.6% | 17.26% | 17.3% | 19.89% | 19.9% | 22.00% | 22.0% | 0.00% |
| | 0.47% | 3.00% | 3.0% | 2.74% | 2.7% | 2.47% | 2.5% | 2.21% | 2.2% | 4.00% | 4.0% | 0.00% |
| | 0.00% | 2.00% | 2.0% | 2.05% | 2.1% | 2.51% | 2.5% | 2.76% | 2.8% | 4.00% | 4.0% | 0.00% |
| | 0.01% | 0.00% | 0.0% | 0.79% | 0.8% | 1.18% | 1.2% | 2.77% | 2.8% | 4.00% | 4.0% | 0.00% |
| | 0.00% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 0.00% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | 0.00% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% | 0.0% | 0.00% |
| | **100.00%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.00%** |