|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S/N** | **Technology Type** | **Capital Cost** | **Other Reference** | **Annual fixed cost** | **Other Reference** | **Variable Operating Cost** | **Other Reference** | **Economic Lifetime** | **Other Reference** | **Construction Time** | **Other Reference** | **WACC** | **Other Reference** | **De-Rating Factor** | **Other Reference** |
| **k€/MW** | **k€/MW** | **€/MWh** | **years** | **years** | **%** | **%** |
| **A** | **Power Generation** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| A1 | Gas CCGT | 400 | - | 7.0 | - | 60.0 | - | 30 | - | 3 | - | 6.0% | - | 95.00% | - |
| A2 | Gas OCGT | 350 | - | 15.0 | 15.4 [3] | 100.0 | - | 30 | - | 2 | 2 [3] | 7.0% | - | 94.98% | 94.98 [2] |
| A3 | CHP (Biomass) | 2,500 | 1,562-5,508 [1] | 74.0 | 1-6% of capex [5] | 25.0 | 4.85 [4] + 22.31 [6] | 30 | - | 4 | - | 7.0% | 7 [1] | 93.60% | 90 [2], 93.6 [7] |
| A4 | Small Hydro (Run-Of-River) | 1,200 | - | 30.0 | - | 0.0 | - | 40 | - | 3 | - | 7.0% | - | 20.00% | - |
| A5 | PV - Rooftop residential | 550 | - | 13.8 | - | 0.0 | - | 22 | - | 1 | - | 5.0% | - | 10.00% | - |
| A6 | PV - Commercial | 400 | - | 10.0 | - | 0.0 | - | 22 | - | 1 | - | 5.0% | - | 10.00% | - |
| A7 | Wind-Onshore | 1,000 | - | 25.0 | - | 0.0 | - | 22 | 25 [8] | 1 | - | 5.0% | 4.6 [8] | 15.00% | - |
| A8 | Wind-Offshore | 3,100 | 3,100-4,700 [8] | 77.5 | - | 0.0 | - | 20 | 25 [8] | 2 | - | 7.0% | 4.6 [8] | 15.00% | - |
| **B** | **Power Storage** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| B1 | Residential Battery | 1,000 | - | 20.0 | - | 0.0 | - | 10 | 10 [9] | 1 | - | 7.0% | - | 20.43% | 20.43-57.94 [2] |
| B2 | Large-Scale Battery | 700 | - | 14.0 | - | 0.0 | - | 10 | 10 [9] | 2 | - | 7.0% | - | 20.43% | 20.43-57.94 [2] |
| B3 | Pumped Hydro (Existing Low Reservoir) | 800 | - | 4.0 | - | 30.0 | - | 50 | - | 4 | - | 7.0% | - | 85.00% | - |
| **C** | **Demand Response** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| C1 | Low Voltage | 70 | 66-166  [10], [11], [13] | 10.0 | 7-10 [11] | 9.3 | 9.3 [14] | 15 | 15 [11] | 1 | 1 [11] | 7.0% | 7 [12] | 86.14% | 86.14 [2] |
| C2 | Medium Voltage | 38 | 10 - 40  [11], [13] | 8.5 | 7-10 [11] | 9.3 | 9.3 [14] | 15 | 15 [11] | 1 | 1 [11] | 7.0% | 7 [12] | 86.14% | 86.14 [2] |
| C3 | High Voltage | 25 | - | 7.0 | - | 9.3 | - | 15 | - | 1 | - | 7.0% | - | 86.14% | - |

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