

## Appendix F: Generator Input Data

| Parameter                                       | Generator A | Generator B | Generator C |
|-------------------------------------------------|-------------|-------------|-------------|
| No. of engines                                  | 14          | 10          | 10          |
| Engine rating (kWe)                             | 1400        | 2000        | 2000        |
| Total capacity (MWe)                            | 19.6        | 20.0        | 20.0        |
| Thermal Input (MWth)                            | 48.65       | 49.65       | 49.65       |
| NOx concentration (mg/nm <sup>3</sup> )         | 250         | 250         | 250         |
| CO concentration (mg/nm <sup>3</sup> )          | 1,000       | 1,003       | 1,051       |
| Exhaust temperature (K)                         | 723.2       | 727.2       | 730.2       |
| Normalised Flow (Nm <sup>3</sup> /s per engine) | 1.16        | 1.61        | 2.00        |
| Actual Flow (Am <sup>3</sup> /s per engine)     | 5.10        | 6.61        | 6.87        |
| NOx mass emission (g/s) per engine              | 0.29        | 0.44        | 0.50        |
| CO mass emission (g/s) per engine               | 1.16        | 1.77        | 2.00        |
| Stack diameter (m)                              | 0.40        | 0.45        | 0.45        |
| Velocity of release (m/s)                       | 40.6        | 41.6        | 43.2        |
| Height of stack                                 | 12.6        | 12.6        | 12.6        |