

US EPA ARCHIVE DOCUMENT

Gas Turbine

Heat Input 997

| | GHG Mass Emissions | | | | | | Total | |
|-----|--------------------|--------------|------------|-----|--------------|------------|-------|---------------|
| | Emission Factor | TPY (Metric) | Short tons | GWP | CO2e metric | CO2e short | | |
| CO2 | 53.02 | 463061.83 | 510438.3 | | 1 463061.8 | 510438.3 | | |
| CH4 | 1.00E-03 | 8.73 | 9.63 | | 25 218.343 | 240.7 | | |
| N2O | 1.00E-04 | 0.87 | 0.96 | | 298 260.2649 | 286.9 | | |
| | | | | | | | | 510965.9 co2e |

Duct Burners

Heat Input 120

| | GHG Mass Emissions | | | | | | Total | |
|-----|--------------------|--------------|------------|-----|--------------|------------|-------|---------------|
| | Emission Factor | TPY (Metric) | Short tons | GWP | CO2e metric | CO2e short | | |
| CO2 | 53.02 | 55734.62 | 61436.91 | | 1 55734.62 | 61436.9 | | |
| CH4 | 1.00E-03 | 1.05 | 1.16 | | 25 26.28 | 29.0 | | |
| N2O | 1.00E-04 | 0.11 | 0.12 | | 298 31.32576 | 34.5 | | |
| | | | | | | | | 61500.41 co2e |

| | GHG Mass Basis | |
|-------|----------------|----------------|
| | CO2e | |
| CO2 | 571875.2 | 571875.2 |
| CH4 | 10.78603 | 269.7 |
| N2O | 1.078603 | 321.4 |
| TOTAL | | 572,466.3 CO2e |