

France

| | Scenario | In/excl. ACEA agreement in the baseline | Allocation of industrial boilers |
|----------|-------------------------------|------------------------------------------|----------------------------------------------------|
| FRwACEA1 | Member State based objectives | including ACEA agreement in the baseline | industrial boilers allocated to industrial sectors |
| FRwACEA2 | Member State based objectives | including ACEA agreement in the baseline | industrial boilers allocated to energy industries |

Source: PRIMES/ECOFYS 2001
http://europa.eu.int/comm/environment/enveco/climate_change/sectoral_objectives.htm

FRANCE (Burden Sharing scenario including ACEA agreement)
industrial boilers allocated to industrial sectors
marginal cost: 1.30 Euro'99 per t of CO2 eq.

| Emission (Mt of CO2 equivalent) | Direct emissions (Mt CO2 eq.) | | | | | Indirect emissions (Mt CO2 eq.) | | | | | Direct and indirect emissions (Mt CO2 eq.) | | | | | Reduction |
|-----------------------------------------------------------|-------------------------------|---------------------------------------------|-------------------------------------------------|----------------------------|-----------------------------|---------------------------------|---------------------------------------------|-------------------------------------------------|----------------------------|-----------------------------|--------------------------------------------|---------------------------------------------|-------------------------------------------------|----------------------------|-----------------------------|-------------------------------------------------------------|
| | Emissions in 1990 or 1995 | Emissions in 2010 under baseline conditions | Emissions in 2010 under Kyoto target conditions | % Change from 1990 or 1995 | % Change from 2010 baseline | Emissions in 1990 or 1995 | Emissions in 2010 under baseline conditions | Emissions in 2010 under Kyoto target conditions | % Change from 1990 or 1995 | % Change from 2010 baseline | Emissions in 1990 or 1995 | Emissions in 2010 under baseline conditions | Emissions in 2010 under Kyoto target conditions | % Change from 1990 or 1995 | % Change from 2010 baseline | Direct Emission reduction from baseline levels (Mt CO2 eq.) |
| | | | | | | | | | | | | | | | | |
| Energy supply | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 56.0 | 62.0 | 62.0 | 10.7% | 0.0% | | | | | | 0.0 | 0.0 | 0 | - | - | 0.0 |
| CO2 (other) | 0.0 | 0.0 | 0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| CH4 | 2.9 | 2.9 | 2.9 | 0.0% | 0.0% | | | | | | 2.9 | 2.9 | 2.9 | 0.0% | 0.0% | 0.0 |
| N2O | 2.8 | 1.9 | 1.9 | -33.0% | 0.0% | | | | | | 2.8 | 1.9 | 1.9 | -33.0% | 0.0% | 0.0 |
| HFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| PFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| SF6 | 1.2 | 1.2 | 1.2 | 0.0% | 0.0% | | | | | | 1.2 | 1.2 | 1.2 | 0.0% | 0.0% | 0.0 |
| Sub-total | 62.8 | 67.9 | 67.9 | 8.1% | 0.0% | | | | | | 6.9 | 5.9 | 5.9 | -13.4% | 0.0% | 0.0 |
| Fossil fuel extraction, transport and distribution | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| CO2 (other) | 0.0 | 0.0 | 0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| CH4 | 6.5 | 2.6 | 2.6 | -60.0% | 0.0% | | | | | | 6.5 | 2.6 | 2.6 | -60.0% | 0.0% | 0.0 |
| N2O | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| HFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| PFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| SF6 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| Sub-total | 6.5 | 2.6 | 2.6 | -60.0% | 0.0% | | | | | | 6.5 | 2.6 | 2.6 | -60.0% | 0.0% | 0.0 |
| Industry | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 79.9 | 65.6 | 65.6 | -17.8% | 0.0% | 21.3 | 23.7 | 23.7 | 11.3% | 0.0% | 101.1 | 89.3 | 89.3 | -11.7% | 0.0% | 0.0 |
| CO2 (other) | 23.4 | 26.2 | 26.1 | 11.6% | -0.3% | | | | | | 23.4 | 26.2 | 26.1 | 11.6% | -0.3% | 0.1 |
| CH4 | 0.1 | 0.1 | 0.1 | 0.0% | 0.0% | | | | | | 0.1 | 0.1 | 0.1 | 0.0% | 0.0% | 0.0 |
| N2O | 27.6 | 12.1 | 5.8 | -78.9% | -51.9% | | | | | | 27.6 | 12.1 | 5.8 | -78.9% | -51.9% | 6.3 |
| HFC | 7.1 | 7.3 | 6.3 | -10.5% | -13.3% | | | | | | 7.1 | 7.3 | 6.3 | -10.5% | -13.3% | 1.0 |
| PFC | 1.5 | 4.2 | 2.9 | 95.7% | -30.5% | | | | | | 1.5 | 4.2 | 2.9 | 95.7% | -30.5% | 1.3 |
| SF6 | 0.7 | 0.8 | 0.0 | -100.0% | -100.0% | | | | | | 0.7 | 0.8 | 0.0 | -100.0% | -100.0% | 0.8 |
| Sub-total | 140.2 | 116.3 | 106.9 | -23.8% | -8.1% | 21.3 | 23.7 | 23.7 | 11.3% | 0.0% | 161.5 | 139.9 | 130.5 | -19.2% | -6.7% | 9.4 |
| Transport | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 122.1 | 144.6 | 144.6 | 18.4% | 0.0% | 1.6 | 1.9 | 1.9 | 15.8% | 0.0% | 123.7 | 146.5 | 146.5 | 18.4% | 0.0% | 0.0 |
| CO2 (other) | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| CH4 | 0.5 | 0.3 | 0.3 | -48.0% | 0.0% | | | | | | 0.5 | 0.3 | 0.3 | -48.0% | 0.0% | 0.0 |
| N2O | 1.2 | 3.4 | 3.4 | 173.0% | 0.0% | | | | | | 1.2 | 3.4 | 3.4 | 173.0% | 0.0% | 0.0 |
| HFC | 0.2 | 4.1 | 4.1 | 1868.0% | 0.0% | | | | | | 0.2 | 4.1 | 4.1 | 1868.0% | 0.0% | 0.0 |
| PFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| SF6 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| Sub-total | 124.0 | 152.3 | 152.3 | 22.8% | 0.0% | 1.6 | 1.9 | 1.9 | 15.8% | 0.0% | 125.7 | 154.2 | 154.2 | 22.7% | 0.0% | 0.0 |
| Households | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 71.1 | 72.0 | 72.0 | 1.3% | 0.0% | 18.0 | 17.1 | 17.1 | -4.6% | 0.0% | 89.1 | 89.2 | 89.2 | 0.1% | 0.0% | 0.0 |
| CO2 (other) | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| CH4 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| N2O | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| HFC | 0.0 | 0.3 | 0.3 | - | 0.0% | | | | | | 0.0 | 0.3 | 0.3 | - | 0.0% | 0.0 |
| PFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| SF6 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| Sub-total | 71.1 | 72.3 | 72.3 | 1.7% | 0.0% | 18.0 | 17.1 | 17.1 | -4.6% | 0.0% | 89.1 | 89.5 | 89.5 | 0.5% | 0.0% | 0.0 |
| Services | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 22.5 | 30.7 | 30.7 | 36.8% | 0.0% | 15.1 | 19.3 | 19.3 | 27.5% | 0.0% | 37.6 | 50.0 | 50.0 | 33.1% | 0.0% | 0.0 |
| CO2 (other) | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| CH4 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| N2O | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| HFC | 0.0 | 1.0 | 1.0 | - | 0.0% | | | | | | 0.0 | 1.0 | 1.0 | - | 0.0% | 0.0 |
| PFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| SF6 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| Sub-total | 22.5 | 31.8 | 31.8 | 41.5% | 0.0% | 15.1 | 19.3 | 19.3 | 27.5% | 0.0% | 37.6 | 51.0 | 51.0 | 35.9% | 0.0% | 0.0 |
| Agriculture | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 1.0 | 1.3 | 1.3 | 38.5% | 0.0% | 0.0 | 0.0 | 0.0 | - | - | 1.0 | 1.3 | 1.3 | 38.5% | 0.0% | 0.0 |
| CO2 (other) | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| CH4 | 34.3 | 32.0 | 30.3 | -11.5% | -5.4% | | | | | | 34.3 | 32.0 | 30.3 | -11.5% | -5.4% | 1.7 |
| N2O | 56.4 | 54.8 | 52.8 | -6.4% | -3.6% | | | | | | 56.4 | 54.8 | 52.8 | -6.4% | -3.6% | 2.0 |
| HFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| PFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| SF6 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| Sub-total | 91.6 | 88.1 | 84.4 | -7.9% | -4.2% | 0.0 | 0.0 | 0.0 | - | - | 91.6 | 88.1 | 84.4 | -7.9% | -4.2% | 3.7 |
| Waste | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| CO2 (other) | 3.5 | 3.5 | 3.5 | 0.0% | 0.0% | | | | | | 3.5 | 3.5 | 3.5 | 0.0% | 0.0% | 0.0 |
| CH4 | 17.2 | 16.2 | 15.6 | -9.2% | -3.8% | | | | | | 17.2 | 16.2 | 15.6 | -9.2% | -3.8% | 0.6 |
| N2O | 0.9 | 0.9 | 0.9 | 0.0% | 0.0% | | | | | | 0.9 | 0.9 | 0.9 | 0.0% | 0.0% | 0.0 |
| HFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| PFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| SF6 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| Sub-total | 21.6 | 20.6 | 20.0 | -7.3% | -3.0% | 0.0 | 0.0 | 0.0 | - | - | 21.6 | 20.6 | 20.0 | -7.3% | -3.0% | 0.6 |
| All sectors | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 352.4 | 376.2 | 376.2 | 6.8% | 0.0% | | | | | | 352.4 | 376.2 | 376.2 | 6.8% | 0.0% | 0.0 |
| CO2 (other) | 26.9 | 29.7 | 29.6 | 10.1% | -0.3% | | | | | | 26.9 | 29.7 | 29.6 | 10.1% | -0.3% | 0.1 |
| CH4 | 61.4 | 54.1 | 51.7 | -15.8% | -4.3% | | | | | | 61.4 | 54.1 | 51.7 | -15.8% | -4.3% | 2.4 |
| N2O | 89.0 | 73.1 | 64.8 | -27.1% | -11.3% | | | | | | 89.0 | 73.1 | 64.8 | -27.1% | -11.3% | 8.2 |
| HFC | 7.3 | 12.7 | 11.8 | 61.2% | -7.6% | | | | | | 7.3 | 12.7 | 11.8 | 61.2% | -7.6% | 1.0 |
| PFC | 1.5 | 4.2 | 2.9 | 95.7% | -30.5% | | | | | | 1.5 | 4.2 | 2.9 | 95.7% | -30.5% | 1.3 |
| SF6 | 1.9 | 2.0 | 1.2 | -37.6% | -39.3% | | | | | | 1.9 | 2.0 | 1.2 | -37.6% | -39.3% | 0.8 |
| Total | 540.4 | 551.9 | 538.3 | -0.4% | -2.5% | | | | | | 540.4 | 551.9 | 538.3 | -0.4% | -2.5% | 13.7 |

FRANCE (Burden Sharing scenario including ACEA agreement)
industrial boilers allocated to industrial sectors
marginal cost: 1.30 Euro'99 per t of CO2 eq.
Industrial sectors

| Emission (Mt of CO2 equivalent) | Direct emissions (Mt CO2 eq.) | | | | | Indirect emissions (Mt CO2 eq.) | | | | | Direct and indirect emissions (Mt CO2 eq.) | | | | | Reduction Direct Emission reduction from baseline levels (Mt CO2 eq.) |
|---------------------------------|---------------------------------|------------------------------------------------------|----------------------------------------------------------|----------------------------------|-----------------------------------|---------------------------------|------------------------------------------------------|----------------------------------------------------------|----------------------------------|-----------------------------------|--------------------------------------------|------------------------------------------------------|----------------------------------------------------------|----------------------------------|-----------------------------------|-----------------------------------------------------------------------------------|
| | Emissions in 1990 or 1995 | Emissions in 2010 under baseline conditions | Emissions in 2010 under Kyoto target conditions | % Change from 1990 or 1995 | % Change from 2010 baseline | Emissions in 1990 or 1995 | Emissions in 2010 under baseline conditions | Emissions in 2010 under Kyoto target conditions | % Change from 1990 or 1995 | % Change from 2010 baseline | Emissions in 1990 or 1995 | Emissions in 2010 under baseline conditions | Emissions in 2010 under Kyoto target conditions | % Change from 1990 or 1995 | % Change from 2010 baseline | |
| Iron and steel | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 24.0 | 16.6 | 16.6 | -31.0% | 0.0% | 2.2 | 2.2 | 2.2 | 3.5% | 0.0% | 26.2 | 18.8 | 18.8 | -28.2% | 0.0% | |
| CO2 (other) | 4.6 | 4.7 | 4.7 | 4.0% | 0.0% | | | | | | 4.6 | 4.7 | 4.7 | 4.0% | 0.0% | |
| CH4 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| N2O | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| HFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| PFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| SF6 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| Sub-total | 28.6 | 21.3 | 21.3 | -25.4% | 0.0% | 2.2 | 2.2 | 2.2 | 3.5% | 0.0% | 30.7 | 23.5 | 23.5 | -23.4% | 0.0% | |
| Non-ferrous metals | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 4.6 | 1.8 | 1.8 | -61.3% | 0.0% | 2.0 | 0.9 | 0.9 | -54.3% | 0.0% | 6.5 | 2.7 | 2.7 | -59.2% | 0.0% | |
| CO2 (other) | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| CH4 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| N2O | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| HFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| PFC | 1.1 | 1.1 | 0.0 | -96.8% | -96.8% | | | | | | 1.1 | 1.1 | 0.0 | -96.8% | -96.8% | |
| SF6 | 0.7 | 0.8 | 0.0 | -100.0% | -100.0% | | | | | | 0.7 | 0.8 | 0.0 | -100.0% | -100.0% | |
| Sub-total | 6.4 | 3.7 | 1.8 | -71.8% | -50.6% | 2.0 | 0.9 | 0.9 | -54.3% | 0.0% | 8.4 | 4.6 | 2.7 | -67.7% | -40.7% | |
| Chemicals | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 12.5 | 5.9 | 5.9 | -52.9% | 0.0% | 5.0 | 5.3 | 5.3 | 7.2% | 0.0% | 17.4 | 11.2 | 11.2 | -35.8% | 0.0% | |
| CO2 (other) | 3.0 | 3.8 | 3.8 | 25.0% | 0.0% | | | | | | 3.0 | 3.8 | 3.8 | 25.0% | 0.0% | |
| CH4 | 0.1 | 0.1 | 0.1 | 0.0% | 0.0% | | | | | | 0.1 | 0.1 | 0.1 | 0.0% | 0.0% | |
| N2O | 27.0 | 11.5 | 5.2 | -80.7% | -54.7% | | | | | | 27.0 | 11.5 | 5.2 | -80.7% | -54.7% | |
| HFC | 3.6 | 0.2 | 0.0 | -99.8% | -95.0% | | | | | | 3.6 | 0.2 | 0.0 | -99.8% | -95.0% | |
| PFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| SF6 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| Sub-total | 46.1 | 21.4 | 14.9 | -67.7% | -30.2% | 5.0 | 5.3 | 5.3 | 7.2% | 0.0% | 51.1 | 26.7 | 20.2 | -60.4% | -24.2% | |
| Building Materials | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 13.2 | 9.9 | 9.9 | -24.6% | 0.0% | 1.2 | 1.1 | 1.1 | -5.5% | 0.0% | 14.4 | 11.1 | 11.1 | -23.1% | 0.0% | |
| CO2 (other) | 13.0 | 14.7 | 14.6 | 12.3% | -0.6% | | | | | | 13.0 | 14.7 | 14.6 | 12.3% | -0.6% | |
| CH4 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| N2O | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| HFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| PFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| SF6 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| Sub-total | 26.2 | 24.6 | 24.5 | -6.3% | -0.3% | 1.2 | 1.1 | 1.1 | -5.5% | 0.0% | 27.4 | 25.7 | 25.6 | -6.3% | -0.3% | |
| Paper and Pulp | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 3.6 | 2.5 | 2.5 | -31.7% | 0.0% | 1.7 | 2.8 | 2.8 | 59.5% | 0.0% | 5.4 | 5.3 | 5.3 | -2.1% | 0.0% | |
| CO2 (other) | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| CH4 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| N2O | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| HFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| PFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| SF6 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| Sub-total | 3.6 | 2.5 | 2.5 | -31.7% | 0.0% | 1.7 | 2.8 | 2.8 | 59.5% | 0.0% | 5.4 | 5.3 | 5.3 | -2.1% | 0.0% | |
| Food, drink and tobacco | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 7.7 | 4.9 | 4.9 | -36.3% | 0.0% | 2.6 | 4.3 | 4.3 | 67.1% | 0.0% | 10.2 | 9.2 | 9.2 | -10.5% | 0.0% | |
| CO2 (other) | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| CH4 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| N2O | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| HFC | 0.0 | 0.7 | 0.4 | - | -36.7% | | | | | | 0.0 | 0.7 | 0.4 | - | -36.7% | |
| PFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| SF6 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| Sub-total | 7.7 | 5.6 | 5.3 | -30.6% | -4.5% | 2.6 | 4.3 | 4.3 | 67.1% | 0.0% | 10.2 | 9.8 | 9.6 | -6.2% | -2.6% | |
| Other industries | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 14.3 | 24.1 | 24.1 | 68.6% | 0.0% | 6.7 | 7.0 | 7.0 | 5.2% | 0.0% | 21.0 | 31.1 | 31.1 | 48.4% | 0.0% | |
| CO2 (other) | 2.9 | 3.0 | 3.0 | 5.9% | 0.0% | | | | | | 2.9 | 3.0 | 3.0 | 5.9% | 0.0% | |
| CH4 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| N2O | 0.6 | 0.6 | 0.6 | 0.0% | 0.0% | | | | | | 0.6 | 0.6 | 0.6 | 0.0% | 0.0% | |
| HFC | 3.5 | 6.5 | 5.9 | 68.2% | -8.5% | | | | | | 3.5 | 6.5 | 5.9 | 68.2% | -8.5% | |
| PFC | 0.4 | 3.1 | 2.9 | 659.8% | -6.6% | | | | | | 0.4 | 3.1 | 2.9 | 659.8% | -6.6% | |
| SF6 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | |
| Sub-total | 21.7 | 37.3 | 36.5 | 68.6% | -2.0% | 6.7 | 7.0 | 7.0 | 5.2% | 0.0% | 28.4 | 44.3 | 43.6 | 53.6% | -1.7% | |
| Total industry | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 79.9 | 65.6 | 65.6 | -17.8% | 0.0% | 21.3 | 23.7 | 23.7 | 11.3% | 0.0% | 101.1 | 89.3 | 89.3 | -11.7% | 0.0% | |
| CO2 (other) | 23.4 | 26.2 | 26.1 | 11.6% | -0.3% | | | | | | 23.4 | 26.2 | 26.1 | 11.6% | -0.3% | |
| CH4 | 0.1 | 0.1 | 0.1 | 0.0% | 0.0% | | | | | | 0.1 | 0.1 | 0.1 | 0.0% | 0.0% | |
| N2O | 27.6 | 12.1 | 5.8 | -78.9% | -51.9% | | | | | | 27.6 | 12.1 | 5.8 | -78.9% | -51.9% | |
| HFC | 7.1 | 7.3 | 6.3 | -10.5% | -13.3% | | | | | | 7.1 | 7.3 | 6.3 | -10.5% | -13.3% | |
| PFC | 1.5 | 4.2 | 2.9 | 95.7% | -30.5% | | | | | | 1.5 | 4.2 | 2.9 | 95.7% | -30.5% | |
| SF6 | 0.7 | 0.8 | 0.0 | -100.0% | -100.0% | | | | | | 0.7 | 0.8 | 0.0 | -100.0% | -100.0% | |
| Total industry | 140.2 | 116.3 | 106.9 | -23.8% | -8.1% | 21.3 | 23.7 | 23.7 | 11.3% | 0.0% | 161.5 | 139.9 | 130.5 | -19.2% | -6.7% | |

FRANCE (Burden Sharing scenario including ACEA agreement)
industrial boilers allocated to industrial sectors
marginal cost: 1.30 Euro'99 per t of CO2 eq.
Transport sector (CO2)

| Emission (Mt of CO2 equivalent) | Direct emissions (Mt CO2 eq.) | | | | | Indirect emissions (Mt CO2 eq.) | | | | | Direct and indirect emissions (Mt CO2 eq.) | | | | | Reduction Direct Emission reduction from baseline levels (Mt CO2 eq.) |
|----------------------------------------------------|---------------------------------|------------------------------------------------------|----------------------------------------------------------|----------------------------------|-----------------------------------|---------------------------------|------------------------------------------------------|----------------------------------------------------------|----------------------------------|-----------------------------------|--------------------------------------------|------------------------------------------------------|----------------------------------------------------------|----------------------------------|-----------------------------------|-----------------------------------------------------------------------------------|
| | Emissions in 1990 or 1995 | Emissions in 2010 under baseline conditions | Emissions in 2010 under Kyoto target conditions | % Change from 1990 or 1995 | % Change from 2010 baseline | Emissions in 1990 or 1995 | Emissions in 2010 under baseline conditions | Emissions in 2010 under Kyoto target conditions | % Change from 1990 or 1995 | % Change from 2010 baseline | Emissions in 1990 or 1995 | Emissions in 2010 under baseline conditions | Emissions in 2010 under Kyoto target conditions | % Change from 1990 or 1995 | % Change from 2010 baseline | |
| by transport mean | | | | | | | | | | | | | | | | |
| road | 107.3 | 122.1 | 122.1 | 13.8% | 0.0% | 1.6 | 1.9 | 1.9 | 15.8% | 0.0% | 107.3 | 122.1 | 122.1 | 13.8% | 0.0% | |
| train | 1.2 | 0.0 | 0.0 | -99.7% | 0.0% | | | | | | 2.8 | 1.9 | 1.9 | -32.6% | 0.0% | |
| aviation | 11.5 | 19.9 | 19.9 | 73.9% | 0.0% | | | | | | 11.5 | 19.9 | 19.9 | 73.9% | 0.0% | |
| intl. navigation | 2.2 | 2.5 | 2.5 | 17.8% | 0.0% | | | | | | 2.2 | 2.5 | 2.5 | 17.8% | 0.0% | |
| by transport activity (base year: 1995) | | | | | | | | | | | | | | | | |
| passenger | 84.6 | 92.0 | 92.0 | 8.7% | 0.0% | | | | | | 84.6 | 92.0 | 92.0 | 8.7% | 0.0% | |
| freight | 44.4 | 52.6 | 52.6 | 18.6% | 0.0% | | | | | | 44.4 | 52.6 | 52.6 | 18.6% | 0.0% | |
| Sub-total | 122.1 | 144.6 | 144.6 | 18.4% | 0.0% | 1.6 | 1.9 | 1.9 | 15.8% | 0.0% | 123.7 | 146.5 | 146.5 | 18.4% | 0.0% | |

FRANCE (Burden Sharing scenario including ACEA agreement)
industrial boilers allocated to industrial sectors
marginal cost: 1.30 Euro'99 per t of CO2 eq.
Energy supply (CO2)

| Emission (Mt of CO2 equivalent) | Direct emissions (Mt CO2 eq.) | | | | | Indirect emissions (Mt CO2 eq.) | | | | | Direct and indirect emissions (Mt CO2 eq.) | | | | | Reduction Direct Emission reduction from baseline levels (Mt CO2 eq.) |
|---------------------------------|---------------------------------|------------------------------------------------------|----------------------------------------------------------|----------------------------------|-----------------------------------|---------------------------------|------------------------------------------------------|----------------------------------------------------------|----------------------------------|-----------------------------------|--------------------------------------------|------------------------------------------------------|----------------------------------------------------------|----------------------------------|-----------------------------------|-----------------------------------------------------------------------------------|
| | Emissions in 1990 or 1995 | Emissions in 2010 under baseline conditions | Emissions in 2010 under Kyoto target conditions | % Change from 1990 or 1995 | % Change from 2010 baseline | Emissions in 1990 or 1995 | Emissions in 2010 under baseline conditions | Emissions in 2010 under Kyoto target conditions | % Change from 1990 or 1995 | % Change from 2010 baseline | Emissions in 1990 or 1995 | Emissions in 2010 under baseline conditions | Emissions in 2010 under Kyoto target conditions | % Change from 1990 or 1995 | % Change from 2010 baseline | |
| by generator | | | | | | | | | | | | | | | | |
| industrial generators | 16.2 | 19.3 | 19.3 | 19.1% | 0.0% | | | | | | | | | | | |
| other generators | 0.0 | 0.5 | 0.5 | - | 0.0% | | | | | | | | | | | |
| utilities | 23.9 | 27.3 | 27.3 | 14.5% | 0.0% | | | | | | | | | | | |
| boilers in | 10.1 | 7.8 | 7.8 | -22.2% | 0.0% | | | | | | | | | | | |
| industry | 0.0 | 0.0 | 0.0 | - | - | | | | | | | | | | | |
| refineries | 10.1 | 7.5 | 7.5 | -26.0% | 0.0% | | | | | | | | | | | |
| district heating | 0.0 | 0.4 | 0.4 | - | 0.0% | | | | | | | | | | | |
| fuel extraction and refining | 5.9 | 7.0 | 7.0 | 19.8% | 0.0% | | | | | | | | | | | |
| Sub-total | 56.0 | 62.0 | 62.0 | 10.7% | 0.0% | | | | | | | | | | | |

FRANCE (Burden Sharing scenario including ACEA agreement)
industrial boilers allocated to energy industries
marginal cost: 1.30 Euro'99 per t of CO2 eq.

| Emission (Mt of CO2 equivalent) | Direct emissions (Mt CO2 eq.) | | | | | Indirect emissions (Mt CO2 eq.) | | | | | Direct and indirect emissions (Mt CO2 eq.) | | | | | Reduction Direct Emission reduction from baseline levels (Mt CO2 eq.) |
|-----------------------------------------------------------|-------------------------------|---------------------------------------------|-------------------------------------------------|----------------------------|-----------------------------|---------------------------------|---------------------------------------------|-------------------------------------------------|----------------------------|-----------------------------|--------------------------------------------|---------------------------------------------|-------------------------------------------------|----------------------------|-----------------------------|--------------------------------------------------------------------------|
| | Emissions in 1990 or 1995 | Emissions in 2010 under baseline conditions | Emissions in 2010 under Kyoto target conditions | % Change from 1990 or 1995 | % Change from 2010 baseline | Emissions in 1990 or 1995 | Emissions in 2010 under baseline conditions | Emissions in 2010 under Kyoto target conditions | % Change from 1990 or 1995 | % Change from 2010 baseline | Emissions in 1990 or 1995 | Emissions in 2010 under baseline conditions | Emissions in 2010 under Kyoto target conditions | % Change from 1990 or 1995 | % Change from 2010 baseline | |
| Energy supply | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 77.8 | 74.0 | 74.0 | -4.9% | 0.0% | | | | | | | 0.0 | 0.0 | 0.0 | - | - |
| CO2 (other) | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| CH4 | 2.9 | 2.9 | 2.9 | 0.0% | 0.0% | | | | | | 2.9 | 2.9 | 2.9 | 0.0% | 0.0% | 0.0 |
| N2O | 2.8 | 1.9 | 1.9 | -33.0% | 0.0% | | | | | | 2.8 | 1.9 | 1.9 | -33.0% | 0.0% | 0.0 |
| HFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| PFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| SF6 | 1.2 | 1.2 | 1.2 | 0.0% | 0.0% | | | | | | 1.2 | 1.2 | 1.2 | 0.0% | 0.0% | 0.0 |
| Sub-total | 84.7 | 79.9 | 79.9 | -5.6% | 0.0% | | | | | | 6.9 | 5.9 | 5.9 | -13.4% | 0.0% | 0.0 |
| Fossil fuel extraction, transport and distribution | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| CO2 (other) | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| CH4 | 6.5 | 2.6 | 2.6 | -60.0% | 0.0% | | | | | | 6.5 | 2.6 | 2.6 | -60.0% | 0.0% | 0.0 |
| N2O | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| HFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| PFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| SF6 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| Sub-total | 6.5 | 2.6 | 2.6 | -60.0% | 0.0% | | | | | | 6.5 | 2.6 | 2.6 | -60.0% | 0.0% | 0.0 |
| Industry | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 58.0 | 53.6 | 53.6 | -7.6% | 0.0% | 40.6 | 32.6 | 32.6 | -19.7% | 0.0% | 98.6 | 86.2 | 86.2 | -12.6% | 0.0% | 0.0 |
| CO2 (other) | 23.4 | 26.2 | 26.1 | 11.6% | -0.3% | | | | | | 23.4 | 26.2 | 26.1 | 11.6% | -0.3% | 0.1 |
| CH4 | 0.1 | 0.1 | 0.1 | 0.0% | 0.0% | | | | | | 0.1 | 0.1 | 0.1 | 0.0% | 0.0% | 0.0 |
| N2O | 27.6 | 12.1 | 5.8 | -78.9% | -51.9% | | | | | | 27.6 | 12.1 | 5.8 | -78.9% | -51.9% | 6.3 |
| HFC | 7.1 | 7.3 | 6.3 | -10.5% | -13.3% | | | | | | 7.1 | 7.3 | 6.3 | -10.5% | -13.3% | 1.0 |
| PFC | 1.5 | 4.2 | 2.9 | 95.7% | -30.5% | | | | | | 1.5 | 4.2 | 2.9 | 95.7% | -30.5% | 1.3 |
| SF6 | 0.7 | 0.8 | 0.0 | -100.0% | -100.0% | | | | | | 0.7 | 0.8 | 0.0 | -100.0% | -100.0% | 0.8 |
| Sub-total | 118.4 | 104.3 | 94.9 | -19.9% | -9.0% | 40.6 | 32.6 | 32.6 | -19.7% | 0.0% | 159.0 | 136.9 | 127.5 | -19.8% | -6.9% | 9.4 |
| Transport | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 122.1 | 144.6 | 144.6 | 18.4% | 0.0% | 1.8 | 2.1 | 2.1 | 16.6% | 0.0% | 123.8 | 146.6 | 146.6 | 18.4% | 0.0% | 0.0 |
| CO2 (other) | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| CH4 | 0.5 | 0.3 | 0.3 | -48.0% | 0.0% | | | | | | 0.5 | 0.3 | 0.3 | -48.0% | 0.0% | 0.0 |
| N2O | 1.2 | 3.4 | 3.4 | 173.0% | 0.0% | | | | | | 1.2 | 3.4 | 3.4 | 173.0% | 0.0% | 0.0 |
| HFC | 0.2 | 4.1 | 4.1 | 1868.0% | 0.0% | | | | | | 0.2 | 4.1 | 4.1 | 1868.0% | 0.0% | 0.0 |
| PFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| SF6 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| Sub-total | 124.0 | 152.3 | 152.3 | 22.8% | 0.0% | 1.8 | 2.1 | 2.1 | 16.6% | 0.0% | 125.8 | 154.4 | 154.4 | 22.7% | 0.0% | 0.0 |
| Households | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 71.1 | 72.0 | 72.0 | 1.3% | 0.0% | 19.3 | 18.5 | 18.5 | -3.9% | 0.0% | 90.4 | 90.5 | 90.5 | 0.2% | 0.0% | 0.0 |
| CO2 (other) | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| CH4 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| N2O | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| HFC | 0.0 | 0.3 | 0.3 | - | 0.0% | | | | | | 0.0 | 0.3 | 0.3 | - | 0.0% | 0.0 |
| PFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| SF6 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| Sub-total | 71.1 | 72.3 | 72.3 | 1.7% | 0.0% | 19.3 | 18.5 | 18.5 | -3.9% | 0.0% | 90.4 | 90.8 | 90.8 | 0.5% | 0.0% | 0.0 |
| Services | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 22.5 | 30.7 | 30.7 | 36.8% | 0.0% | 16.2 | 20.8 | 20.8 | 28.4% | 0.0% | 38.7 | 51.5 | 51.5 | 33.3% | 0.0% | 0.0 |
| CO2 (other) | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| CH4 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| N2O | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| HFC | 0.0 | 1.0 | 1.0 | - | 0.0% | | | | | | 0.0 | 1.0 | 1.0 | - | 0.0% | 0.0 |
| PFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| SF6 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| Sub-total | 22.5 | 31.8 | 31.8 | 41.5% | 0.0% | 16.2 | 20.8 | 20.8 | 28.4% | 0.0% | 38.7 | 52.6 | 52.6 | 36.0% | 0.0% | 0.0 |
| Agriculture | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 1.0 | 1.3 | 1.3 | 38.5% | 0.0% | 0.0 | 0.0 | 0.0 | - | - | 1.0 | 1.3 | 1.3 | 38.5% | 0.0% | 0.0 |
| CO2 (other) | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| CH4 | 34.3 | 32.0 | 30.3 | -11.5% | -5.4% | | | | | | 34.3 | 32.0 | 30.3 | -11.5% | -5.4% | 1.7 |
| N2O | 56.4 | 54.8 | 52.8 | -6.4% | -3.6% | | | | | | 56.4 | 54.8 | 52.8 | -6.4% | -3.6% | 2.0 |
| HFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| PFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| SF6 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| Sub-total | 91.6 | 88.1 | 84.4 | -7.9% | -4.2% | 0.0 | 0.0 | 0.0 | - | - | 91.6 | 88.1 | 84.4 | -7.9% | -4.2% | 3.7 |
| Waste | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| CO2 (other) | 3.5 | 3.5 | 3.5 | 0.0% | 0.0% | | | | | | 3.5 | 3.5 | 3.5 | 0.0% | 0.0% | 0.0 |
| CH4 | 17.2 | 16.2 | 15.6 | -9.2% | -3.8% | | | | | | 17.2 | 16.2 | 15.6 | -9.2% | -3.8% | 0.6 |
| N2O | 0.9 | 0.9 | 0.9 | 0.0% | 0.0% | | | | | | 0.9 | 0.9 | 0.9 | 0.0% | 0.0% | 0.0 |
| HFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| PFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| SF6 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| Sub-total | 21.6 | 20.6 | 20.0 | -7.3% | -3.0% | 0.0 | 0.0 | 0.0 | - | - | 21.6 | 20.6 | 20.0 | -7.3% | -3.0% | 0.6 |
| All sectors | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 352.4 | 376.2 | 376.2 | 6.8% | 0.0% | | | | | | 352.4 | 376.2 | 376.2 | 6.8% | 0.0% | 0.0 |
| CO2 (other) | 26.9 | 29.7 | 29.6 | 10.1% | -0.3% | | | | | | 26.9 | 29.7 | 29.6 | 10.1% | -0.3% | 0.1 |
| CH4 | 61.4 | 54.1 | 51.7 | -15.8% | -4.3% | | | | | | 61.4 | 54.1 | 51.7 | -15.8% | -4.3% | 2.4 |
| N2O | 89.0 | 73.1 | 64.8 | -27.1% | -11.3% | | | | | | 89.0 | 73.1 | 64.8 | -27.1% | -11.3% | 8.2 |
| HFC | 7.3 | 12.7 | 11.8 | 61.2% | -7.6% | | | | | | 7.3 | 12.7 | 11.8 | 61.2% | -7.6% | 1.0 |
| PFC | 1.5 | 4.2 | 2.9 | 95.7% | -30.5% | | | | | | 1.5 | 4.2 | 2.9 | 95.7% | -30.5% | 1.3 |
| SF6 | 1.9 | 2.0 | 1.2 | -37.6% | -39.3% | | | | | | 1.9 | 2.0 | 1.2 | -37.6% | -39.3% | 0.8 |
| Total | 540.4 | 551.9 | 538.3 | -0.4% | -2.5% | | | | | | 540.4 | 551.9 | 538.3 | -0.4% | -2.5% | 13.7 |

FRANCE (Burden Sharing scenario including ACEA agreement)

industrial boilers allocated to energy industries

marginal cost: 1.30 Euro'99 per t of CO2 eq.

Industrial sectors

| Emission (Mt of CO2 equivalent) | Direct emissions (Mt CO2 eq.) | | | | | Indirect emissions (Mt CO2 eq.) | | | | | Direct and indirect emissions (Mt CO2 eq.) | | | | | Reduction |
|---------------------------------|-------------------------------|---------------------------------------------|-------------------------------------------------|----------------------------|-----------------------------|---------------------------------|---------------------------------------------|-------------------------------------------------|----------------------------|-----------------------------|--------------------------------------------|---------------------------------------------|-------------------------------------------------|----------------------------|-----------------------------|-------------------------------------------------------------|
| | Emissions in 1990 or 1995 | Emissions in 2010 under baseline conditions | Emissions in 2010 under Kyoto target conditions | % Change from 1990 or 1995 | % Change from 2010 baseline | Emissions in 1990 or 1995 | Emissions in 2010 under baseline conditions | Emissions in 2010 under Kyoto target conditions | % Change from 1990 or 1995 | % Change from 2010 baseline | Emissions in 1990 or 1995 | Emissions in 2010 under baseline conditions | Emissions in 2010 under Kyoto target conditions | % Change from 1990 or 1995 | % Change from 2010 baseline | Direct Emission reduction from baseline levels (Mt CO2 eq.) |
| Iron and steel | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 24.0 | 16.6 | 16.6 | -30.5% | 0.0% | 2.4 | 2.4 | 2.4 | 2.6% | 0.0% | 26.3 | 19.1 | 19.1 | -27.5% | 0.0% | 0.0 |
| CO2 (other) | 4.6 | 4.7 | 4.7 | 4.0% | 0.0% | | | | | | 4.6 | 4.7 | 4.7 | 4.0% | 0.0% | 0.0 |
| CH4 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| N2O | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| HFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| PFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| SF6 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| Sub-total | 28.5 | 21.4 | 21.4 | -25.0% | 0.0% | 2.4 | 2.4 | 2.4 | 2.6% | 0.0% | 30.9 | 23.8 | 23.8 | -22.9% | 0.0% | 0.0 |
| Non-ferrous metals | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 4.6 | 1.8 | 1.8 | -60.8% | 0.0% | 2.1 | 1.0 | 1.0 | -54.0% | 0.0% | 6.7 | 2.8 | 2.8 | -58.7% | 0.0% | 0.0 |
| CO2 (other) | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| CH4 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| N2O | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| HFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| PFC | 1.1 | 1.1 | 0.0 | -96.8% | -96.8% | | | | | | 1.1 | 1.1 | 0.0 | -96.8% | -96.8% | 1.1 |
| SF6 | 0.7 | 0.8 | 0.0 | -100.0% | -100.0% | | | | | | 0.7 | 0.8 | 0.0 | -100.0% | -100.0% | 0.8 |
| Sub-total | 6.4 | 3.7 | 1.8 | -71.5% | -50.3% | 2.1 | 1.0 | 1.0 | -54.0% | 0.0% | 8.5 | 4.6 | 2.8 | -67.2% | -39.9% | 1.9 |
| Chemicals | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 1.6 | 0.1 | 0.1 | -92.7% | 0.0% | 13.0 | 8.0 | 8.0 | -38.1% | 0.0% | 14.6 | 8.2 | 8.2 | -44.1% | 0.0% | 0.0 |
| CO2 (other) | 3.0 | 3.8 | 3.8 | 25.0% | 0.0% | | | | | | 3.0 | 3.8 | 3.8 | 25.0% | 0.0% | 0.0 |
| CH4 | 0.1 | 0.1 | 0.1 | 0.0% | 0.0% | | | | | | 0.1 | 0.1 | 0.1 | 0.0% | 0.0% | 0.0 |
| N2O | 27.0 | 11.5 | 5.2 | -80.7% | -54.7% | | | | | | 27.0 | 11.5 | 5.2 | -80.7% | -54.7% | 6.3 |
| HFC | 3.6 | 0.2 | 0.0 | -99.8% | -95.0% | | | | | | 3.6 | 0.2 | 0.0 | -99.8% | -95.0% | 0.2 |
| PFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| SF6 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| Sub-total | 35.2 | 15.6 | 9.2 | -74.0% | -41.3% | 13.0 | 8.0 | 8.0 | -38.1% | 0.0% | 48.2 | 23.6 | 17.2 | -64.3% | -27.3% | 6.4 |
| Building Materials | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 13.2 | 10.0 | 10.0 | -24.5% | 0.0% | 1.3 | 1.2 | 1.2 | -4.8% | 0.0% | 14.5 | 11.2 | 11.2 | -22.8% | 0.0% | 0.0 |
| CO2 (other) | 13.0 | 14.7 | 14.6 | 12.3% | -0.6% | | | | | | 13.0 | 14.7 | 14.6 | 12.3% | -0.6% | 0.1 |
| CH4 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| N2O | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| HFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| PFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| SF6 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| Sub-total | 26.2 | 24.6 | 24.5 | -6.2% | -0.3% | 1.3 | 1.2 | 1.2 | -4.8% | 0.0% | 27.4 | 25.8 | 25.7 | -6.2% | -0.3% | 0.1 |
| Paper and Pulp | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 2.2 | 1.9 | 1.9 | -11.5% | 0.0% | 5.4 | 4.6 | 4.6 | -15.5% | 0.0% | 7.6 | 6.5 | 6.5 | -14.4% | 0.0% | 0.0 |
| CO2 (other) | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| CH4 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| N2O | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| HFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| PFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| SF6 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| Sub-total | 2.2 | 1.9 | 1.9 | -11.5% | 0.0% | 5.4 | 4.6 | 4.6 | -15.5% | 0.0% | 7.6 | 6.5 | 6.5 | -14.4% | 0.0% | 0.0 |
| Food, drink and tobacco | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 1.4 | 1.6 | 1.6 | 17.7% | 0.0% | 7.1 | 6.8 | 6.8 | -4.1% | 0.0% | 8.4 | 8.4 | 8.4 | -0.6% | 0.0% | 0.0 |
| CO2 (other) | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| CH4 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| N2O | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| HFC | 0.0 | 0.7 | 0.4 | - | -36.7% | | | | | | 0.0 | 0.7 | 0.4 | - | -36.7% | 0.3 |
| PFC | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| SF6 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| Sub-total | 1.4 | 2.3 | 2.0 | 49.9% | -11.1% | 7.1 | 6.8 | 6.8 | -4.1% | 0.0% | 8.4 | 9.1 | 8.8 | 4.6% | -2.8% | 0.3 |
| Other industries | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 11.1 | 21.6 | 21.6 | 93.7% | 0.0% | 9.4 | 8.6 | 8.6 | -8.2% | 0.0% | 20.5 | 30.2 | 30.2 | 47.1% | 0.0% | 0.0 |
| CO2 (other) | 2.9 | 3.0 | 3.0 | 5.9% | 0.0% | | | | | | 2.9 | 3.0 | 3.0 | 5.9% | 0.0% | 0.0 |
| CH4 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| N2O | 0.6 | 0.6 | 0.6 | 0.0% | 0.0% | | | | | | 0.6 | 0.6 | 0.6 | 0.0% | 0.0% | 0.0 |
| HFC | 3.5 | 6.5 | 5.9 | 68.2% | -8.5% | | | | | | 3.5 | 6.5 | 5.9 | 68.2% | -8.5% | 0.6 |
| PFC | 0.4 | 3.1 | 2.9 | 659.8% | -6.6% | | | | | | 0.4 | 3.1 | 2.9 | 659.8% | -6.6% | 0.2 |
| SF6 | 0.0 | 0.0 | 0.0 | - | - | | | | | | 0.0 | 0.0 | 0.0 | - | - | 0.0 |
| Sub-total | 18.5 | 34.8 | 34.0 | 83.7% | -2.2% | 9.4 | 8.6 | 8.6 | -8.2% | 0.0% | 27.9 | 43.4 | 42.6 | 52.8% | -1.7% | 0.8 |
| Total industry | | | | | | | | | | | | | | | | |
| CO2 (fuel related) | 58.0 | 53.6 | 53.6 | -7.6% | 0.0% | 40.6 | 32.6 | 32.6 | -19.7% | 0.0% | 98.6 | 86.2 | 86.2 | -12.6% | 0.0% | 0.0 |
| CO2 (other) | 23.4 | 26.2 | 26.1 | 11.6% | -0.3% | | | | | | 23.4 | 26.2 | 26.1 | 11.6% | -0.3% | 0.1 |
| CH4 | 0.1 | 0.1 | 0.1 | 0.0% | 0.0% | | | | | | 0.1 | 0.1 | 0.1 | 0.0% | 0.0% | 0.0 |
| N2O | 27.6 | 12.1 | 5.8 | -78.9% | -51.9% | | | | | | 27.6 | 12.1 | 5.8 | -78.9% | -51.9% | 6.3 |
| HFC | 7.1 | 7.3 | 6.3 | -10.5% | -13.3% | | | | | | 7.1 | 7.3 | 6.3 | -10.5% | -13.3% | 1.0 |
| PFC | 1.5 | 4.2 | 2.9 | 95.7% | -30.5% | | | | | | 1.5 | 4.2 | 2.9 | 95.7% | -30.5% | 1.3 |
| SF6 | 0.7 | 0.8 | 0.0 | -100.0% | -100.0% | | | | | | 0.7 | 0.8 | 0.0 | -100.0% | -100.0% | 0.8 |
| Total industry | 118.4 | 104.3 | 94.9 | -19.9% | -9.0% | 40.6 | 32.6 | 32.6 | -19.7% | 0.0% | 159.0 | 136.9 | 127.5 | -19.8% | -6.9% | 9.4 |

FRANCE (Burden Sharing scenario including ACEA agreement)
industrial boilers allocated to energy industries
marginal cost: 1.30 Euro'99 per t of CO2 eq.
Transport sector (CO2)

| Emission (Mt of CO2 equivalent) | Direct emissions (Mt CO2 eq.) | | | | | Indirect emissions (Mt CO2 eq.) | | | | | Direct and indirect emissions (Mt CO2 eq.) | | | | | Reduction Direct Emission reduction from baseline levels (Mt CO2 eq.) |
|----------------------------------------------------|---------------------------------|------------------------------------------------------|----------------------------------------------------------|----------------------------------|-----------------------------------|---------------------------------|------------------------------------------------------|----------------------------------------------------------|----------------------------------|-----------------------------------|--------------------------------------------|------------------------------------------------------|----------------------------------------------------------|----------------------------------|-----------------------------------|-----------------------------------------------------------------------------------|
| | Emissions in 1990 or 1995 | Emissions in 2010 under baseline conditions | Emissions in 2010 under Kyoto target conditions | % Change from 1990 or 1995 | % Change from 2010 baseline | Emissions in 1990 or 1995 | Emissions in 2010 under baseline conditions | Emissions in 2010 under Kyoto target conditions | % Change from 1990 or 1995 | % Change from 2010 baseline | Emissions in 1990 or 1995 | Emissions in 2010 under baseline conditions | Emissions in 2010 under Kyoto target conditions | % Change from 1990 or 1995 | % Change from 2010 baseline | |
| by transport mean | | | | | | | | | | | | | | | | |
| road | 107.3 | 122.1 | 122.1 | 13.8% | 0.0% | | | | | | 107.3 | 122.1 | 122.1 | 13.8% | 0.0% | 0.0 |
| train | 1.2 | 0.0 | 0.0 | -99.7% | 0.0% | 1.8 | 2.1 | 2.1 | 16.6% | 0.0% | 3.0 | 2.1 | 2.1 | -30.1% | 0.0% | 0.0 |
| aviation | 11.5 | 19.9 | 19.9 | 73.9% | 0.0% | | | | | | 11.5 | 19.9 | 19.9 | 73.9% | 0.0% | 0.0 |
| inl. navigation | 2.2 | 2.5 | 2.5 | 17.8% | 0.0% | | | | | | 2.2 | 2.5 | 2.5 | 17.8% | 0.0% | 0.0 |
| by transport activity (base year: 1995) | | | | | | | | | | | | | | | | |
| passenger | 84.6 | 92.0 | 92.0 | 8.7% | 0.0% | | | | | | 84.6 | 92.0 | 92.0 | 8.7% | 0.0% | 0.0 |
| freight | 44.4 | 52.6 | 52.6 | 18.6% | 0.0% | | | | | | 44.4 | 52.6 | 52.6 | 18.6% | 0.0% | 0.0 |
| Sub-total | 122.1 | 144.6 | 144.6 | 18.4% | 0.0% | 1.8 | 2.1 | 2.1 | 16.6% | 0.0% | 123.8 | 146.6 | 146.6 | 18.4% | 0.0% | 0.0 |

FRANCE (Burden Sharing scenario including ACEA agreement)
industrial boilers allocated to energy industries
marginal cost: 1.30 Euro'99 per t of CO2 eq.
Energy supply (CO2)

| Emission (Mt of CO2 equivalent) | Direct emissions (Mt CO2 eq.) | | | | | Indirect emissions (Mt CO2 eq.) | | | | | Direct and indirect emissions (Mt CO2 eq.) | | | | | Reduction Direct Emission reduction from baseline levels (Mt CO2 eq.) |
|---------------------------------|---------------------------------|------------------------------------------------------|----------------------------------------------------------|----------------------------------|-----------------------------------|---------------------------------|------------------------------------------------------|----------------------------------------------------------|----------------------------------|-----------------------------------|--------------------------------------------|------------------------------------------------------|----------------------------------------------------------|----------------------------------|-----------------------------------|-----------------------------------------------------------------------------------|
| | Emissions in 1990 or 1995 | Emissions in 2010 under baseline conditions | Emissions in 2010 under Kyoto target conditions | % Change from 1990 or 1995 | % Change from 2010 baseline | Emissions in 1990 or 1995 | Emissions in 2010 under baseline conditions | Emissions in 2010 under Kyoto target conditions | % Change from 1990 or 1995 | % Change from 2010 baseline | Emissions in 1990 or 1995 | Emissions in 2010 under baseline conditions | Emissions in 2010 under Kyoto target conditions | % Change from 1990 or 1995 | % Change from 2010 baseline | |
| by generator | | | | | | | | | | | | | | | | |
| industrial generators | 16.2 | 19.3 | 19.3 | 19.1% | 0.0% | | | | | | | | | | | 0.0 |
| other generators | 0.0 | 0.5 | 0.5 | - | 0.0% | | | | | | | | | | | 0.0 |
| utilities | 23.9 | 27.3 | 27.3 | 14.5% | 0.0% | | | | | | | | | | | 0.0 |
| boilers in | 31.9 | 19.9 | 19.9 | -37.8% | 0.0% | | | | | | | | | | | 0.0 |
| industry | 21.8 | 12.0 | 12.0 | -45.0% | 0.0% | | | | | | | | | | | 0.0 |
| refineries | 10.1 | 7.5 | 7.5 | -26.0% | 0.0% | | | | | | | | | | | 0.0 |
| district heating | 0.0 | 0.4 | 0.4 | - | 0.0% | | | | | | | | | | | 0.0 |
| fuel extraction and refining | 5.9 | 7.0 | 7.0 | 19.8% | 0.0% | | | | | | | | | | | 0.0 |
| Sub-total | 77.8 | 74.0 | 74.0 | -4.9% | 0.0% | | | | | | | | | | | 0.0 |