

## **Non-CO<sub>2</sub> Greenhouse Gases: Methane**

**Source/Sectors:** Land-use Change and Forestry

**Technology:** Options in general (A.4)

### **Description of the Technology:**

The only potential source for methane emissions in this sector is forest fires. Methane emissions from this sector are not included in the most recent inventory report by CEC (CEC, 2006). No practical technological options for reducing methane emissions in this sector were found in the literature search.

**Effectiveness:** Not applicable

**Implementability:** Not applicable

**Reliability:** Not applicable

**Maturity:** Not applicable

**Environmental Benefits:** Not applicable

**Cost Effectiveness:** None reported.

**Industry Acceptance Level:** Not applicable

**Limitations:** Not applicable

### **Sources of Information:**

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3. Delhotal, K.G.; de la Chesnaye, F.C.; Gardinar, A.; Bates, J.; Sankovski, A. (2006) "Mitigation of Methane and Nitrous Oxide Emissions from Waste, Energy and Industry" *The Energy Journal*, Multi-Greenhouse Gas Mitigation and Climate Policy Special Issue, pp. 45-62.
4. European Commission (2001) "Economic Evaluation of Sectoral Emission Reduction Objectives for Climate Change", Brussels. (Document can be found at [http://ec.europa.eu/environment/enveco/climate\\_change/sectoral\\_objectives.htm](http://ec.europa.eu/environment/enveco/climate_change/sectoral_objectives.htm))
5. International Energy Agency (2003) "Building the Cost Curves for the Industrial Sources of Non-CO<sub>2</sub> Greenhouse Gases", Report Number PH4/25, IEA Greenhouse Gas R&D Programme, Cheltenham, United Kingdom, October 2003.
6. Lucas, P.L.; van Vuuren, D.P.; Jos Oliver, G.J.; den Elzen, M.G.J. (2006) "Long-term Reduction Potential of Non-CO<sub>2</sub> Greenhouse Gases", Netherlands Environment Assessment Agency (MNP), published on line November 28, 2006.

7. U.S. Climate Technology Program (2005) “Technology Options for the Near and Long Term”, U.S. Department of Energy, <http://www.climate technology.gov/index.htm>, August 2005.
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10. U.S. Environmental Protection Agency (2004) “International Methane and Nitrous Oxide Emissions and Mitigation Data”, United States Environmental Protection Agency. Available online at [www.epa.gov/methane/appendices.html](http://www.epa.gov/methane/appendices.html) (in Excel file).
11. U.S. Environmental Protection Agency (2006a) “Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990 to 2004”, Office of Atmospheric Programs, United States Environmental Protection Agency, EPA-430-R-06-002, June 2006.
12. U.S. Environmental Protection Agency (2006b) “Global Mitigation of Non-CO<sub>2</sub> Greenhouse Gases”, Office of Atmospheric Programs, United States Environmental Protection Agency, EPA-430-R-06-005, June 2006.