

11. References

Executive Summary

BEA (2010) *2009 Comprehensive Revision of the National Income and Product Accounts: Current-dollar and "real" GDP, 1929–2009*. Bureau of Economic Analysis (BEA), U.S. Department of Commerce, Washington, DC. July 29, 2010. Available online at < <http://www.bea.gov/national/index.htm#gdp> >.

EIA (2010) Supplemental Tables on Petroleum Product detail. *Monthly Energy Review, September 2010*, Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0035(2009/09).

EIA (2009) *International Energy Annual 2007*. Energy Information Administration (EIA), U.S. Department of Energy. Washington, DC. Updated October 2008. Available online at <<http://www.eia.doe.gov/emeu/iea/carbon.html> >.

EPA (2010) “2009 Average annual emissions, all criteria pollutants in MS Excel.” *National Emissions Inventory (NEI) Air Pollutant Emissions Trends Data*. Office of Air Quality Planning and Standards.

EPA (2009) “1970 - 2008 Average annual emissions, all criteria pollutants in MS Excel.” *National Emissions Inventory (NEI) Air Pollutant Emissions Trends Data*. Office of Air Quality Planning and Standards. Available online at <<http://www.epa.gov/ttn/chief/trends/index.html>>.

IPCC (2007) *Climate Change 2007: The Physical Science Basis*. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change. S. Solomon, D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor and H.L. Miller (eds.). Cambridge University Press. Cambridge, United Kingdom 996 pp.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC (2003) *Good Practice Guidance for Land Use, Land-Use Change, and Forestry*. National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, J. Penman, et al. (eds.). Available online at <<http://www.ipcc-nggip.iges.or.jp/public/gpglulucf/gpglulucf.htm>>. August 13, 2004.

IPCC (2001) *Climate Change 2001: The Scientific Basis*. Intergovernmental Panel on Climate Change, J.T. Houghton, Y. Ding, D.J. Griggs, M. Noguer, P.J. van der Linden, X. Dai, C.A. Johnson, and K. Maskell (eds.). Cambridge University Press. Cambridge, United Kingdom.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*. , National Greenhouse Gas Inventories Programme, Intergovernmental Panel on Climate Change. Montreal. May 2000. IPCC-XVI/Doc. 10 (1.IV.2000).

IPCC (1996) *Climate Change 1995: The Science of Climate Change*. Intergovernmental Panel on Climate Change, J.T. Houghton, L.G. Meira Filho, B.A. Callander, N. Harris, A. Kattenberg, and K. Maskell. (eds.). Cambridge University Press. Cambridge, United Kingdom.

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

NOAA/ESRL (2009) “Trends in Atmospheric Carbon Dioxide.” Available online at <<http://www.esrl.noaa.gov/gmd/ccgg/trends/>>. 11 January 2010.

UNFCCC (2003) *National Communications: Greenhouse Gas Inventories from Parties included in Annex I to the Convention, UNFCCC Guidelines on Reporting and Review*. Conference of the Parties, Eighth Session, New Delhi. (FCCC/CP/2002/8). March 28, 2003.

U.S. Census Bureau (2010) *U.S. Census Bureau International Database (IDB)*. Available online at <<http://www.census.gov/ipc/www/idbnew.html>>. August 15, 2010.

Introduction

CDIAC (2009) "Recent Greenhouse Gas Concentrations." T.J. Blasing; DOI: 10.3334/CDIAC/atg.032. Available online at <http://cdiac.ornl.gov/pns/current_ghg.html>. 23 February 2010.

EPA (2009) Technical Support Document for the Endangerment and Cause or Contribute Findings for Greenhouse Gases Under Section 202(a) of the Clean Air Act. U.S. Environmental Protection Agency. December 2009.

IPCC (2007) Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change. S. Solomon, D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor and H.L. Miller (eds.). Cambridge University Press. Cambridge, United Kingdom 996 pp.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC (2003) Good Practice Guidance for Land Use, Land-Use Change, and Forestry. National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, J. Penman, et al. (eds.). Available online at <<http://www.ipcc-nggip.iges.or.jp/public/gpglulucf/gpglulucf.htm>>. August 13, 2004.

IPCC (2001) Climate Change 2001: The Scientific Basis. Intergovernmental Panel on Climate Change, J.T. Houghton, Y. Ding, D.J. Griggs, M. Noguer, P.J. van der Linden, X. Dai, C.A. Johnson, and K. Maskell (eds.). Cambridge University Press. Cambridge, United Kingdom.

IPCC (2000) Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories. National Greenhouse Gas Inventories Programme, Intergovernmental Panel on Climate Change. Montreal. May 2000. IPCC-XVI/Doc. 10 (1.IV.2000).

IPCC (1999) Aviation and the Global Atmosphere. Intergovernmental Panel on Climate Change. J.E. Penner, et al. (eds.). Cambridge University Press. Cambridge, United Kingdom.

IPCC (1996) Climate Change 1995: The Science of Climate Change. Intergovernmental Panel on Climate Change, J.T. Houghton, L.G. Meira Filho, B.A. Callander, N. Harris, A. Kattenberg, and K. Maskell (eds.). Cambridge University Press. Cambridge, United Kingdom.

IPCC/TEAP (2005) *Special Report: Safeguarding the Ozone Layer and the Global Climate System, Chapter 4: Refrigeration*. 2005. Available at <http://www.auto-ts.com/hcfc/technology%20option/Refrigeration/transport%20refrigeration.pdf>

IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

Jacobson, M.Z. (2001) "Strong Radiative Heating Due to the Mixing State of Black Carbon in Atmospheric Aerosols." *Nature*, 409:695-697.

NOAA/ESRL (2009) "Trends in Atmospheric Carbon Dioxide." Available online at <<http://www.esrl.noaa.gov/gmd/ccgg/trends/>>. 11 January 2010.

UNEP/WMO (1999) Information Unit on Climate Change. Framework Convention on Climate Change. Available online at <<http://unfccc.int>>.

UNFCCC (2006) Updated UNFCCC Reporting Guidelines on Annual Inventories Following Incorporation of the Provisions of Decision 14/CP.11. United Nations Framework Convention on Climate Change, Nairobi. (FCCC/SBSTA/2006/9). August 16, 2006.

Trends in Greenhouse Gas Emissions

BEA (2010) *2009 Comprehensive Revision of the National Income and Product Accounts: Current-dollar and "real" GDP, 1929–2009*. Bureau of Economic Analysis (BEA), U.S. Department of Commerce, Washington, DC. July 29, 2010. Available online at <<http://www.bea.gov/national/index.htm#gdp>>.

Duffield, J. (2006) Personal communication. Jim Duffield, Office of Energy Policy and New Uses, USDA and

Lauren Flinn, ICF International. December 2006.

EIA (2011) Supplemental Tables on Petroleum Product detail. *Monthly Energy Review, January 2011*, Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0035(2011/01).

EPA (2010) "2009 Average annual emissions, all criteria pollutants in MS Excel." *National Emissions Inventory (NEI) Air Pollutant Emissions Trends Data*. Office of Air Quality Planning and Standards.

EPA (2009) "1970 - 2008 Average annual emissions, all criteria pollutants in MS Excel." *National Emissions Inventory (NEI) Air Pollutant Emissions Trends Data*. Office of Air Quality Planning and Standards. Available online at <<http://www.epa.gov/ttn/chief/trends/index.html>>.

IPCC (2001) *Climate Change 2001: The Scientific Basis*. Intergovernmental Panel on Climate Change, J.T. Houghton, Y. Ding, D.J. Griggs, M. Noguer, P.J. van der Linden, X. Dai, C.A. Johnson, and K. Maskell (eds.). Cambridge University Press. Cambridge, United Kingdom.

U.S. Census Bureau (2010) U.S. Census Bureau International Database (IDB). Available online at <<http://www.census.gov/ipc/www/idbnew.html>>. August 15, 2010.

Energy

EIA (2010) Indicators: CO₂ Emissions. *International Energy Statistics 2010*. Energy Information Administration <<http://tonto.eia.doe.gov/cfapps/ipdbproject/IEDIndex3.cfm>>.

Carbon Dioxide Emissions from Fossil Fuel Combustion

AAR (2009 through 2011) *Railroad Facts*. Policy and Economics Department, Association of American Railroads, Washington, DC.

AISI (2004 through 2011) *Annual Statistical Report*, American Iron and Steel Institute, Washington, DC.

APTA (2007 through 2011) *Public Transportation Fact Book*. American Public Transportation Association, Washington, DC. Available online at <<http://www.apta.com/resources/statistics/Pages/transitstats.aspx>>.

APTA (2006) *Commuter Rail National Totals*. American Public Transportation Association, Washington, DC. Available online at <<http://www.apta.com/research/stats/rail/crsum.cfm>>.

BEA (2011) *2010 Comprehensive Revision of the National Income and Product Accounts: Current-dollar and "real" GDP, 1929–2010*. Bureau of Economic Analysis (BEA), U.S. Department of Commerce, Washington, DC. July 29, 2011. Available online at <<http://www.bea.gov/national/index.htm#gdp>>.

BEA (1991 through 2009) Unpublished BE-36 survey data. Bureau of Economic Analysis, U.S. Department of Commerce. Washington, DC.

Benson, D. (2002 through 2004) Unpublished data. Upper Great Plains Transportation Institute, North Dakota State University and American Short Line & Regional Railroad Association.

Coffeyville Resources Nitrogen Fertilizers (2011) Nitrogen Fertilizer Operations. Available online at <<http://coffeyvillegroup.com/NitrogenFertilizerOperations/index.html>>.

Dakota Gasification Company (2006) *CO₂ Pipeline Route and Designation Information*. Bismarck, ND. Available online at <http://www.dakotagas.com/SafetyHealth/Pipeline_Information.html>.

DESC (2011) Unpublished data from the Defense Fuels Automated Management System (DFAMS). Defense Energy Support Center, Defense Logistics Agency, U.S. Department of Defense. Washington, DC.

DHS (2008) Email Communication. Elissa Kay, Department of Homeland Security and Joe Aamidor, ICF International. January 11, 2008.

DOC (1991 through 2011) Unpublished Report of Bunker Fuel Oil Laden on Vessels Cleared for Foreign Countries. Form-563. Foreign Trade Division, Bureau of the Census, U.S. Department of Commerce. Washington, DC.

DOE (2012) *2010 Worldwide Gasification Database*. National Energy Technology Laboratory and Gasification Technologies Council. Available online at <<http://www.netl.doe.gov/technologies/coalpower/gasification/worlddatabase/index.html>>. Accessed on 15 March

2012

DOE (1993 through 2011) *Transportation Energy Data Book*. Office of Transportation Technologies, Center for Transportation Analysis, Energy Division, Oak Ridge National Laboratory. ORNL-5198.

DOT (1991 through 2011) *Fuel Cost and Consumption*. U.S. Department of Transportation, Bureau of Transportation Statistics, Washington, DC. DAI-10. <http://www.transtats.bts.gov/fuel.asp>.

Eastman Gasification Services Company (2003) Project Data on Eastman Chemical Company's Chemicals-from-Coal Complex in Kingsport, TN. Available online at <<http://www.netl.doe.gov/coal/gasification/pubs/pdf/Eastman%20Chemicals%20from%20Coal%20Complex.pdf>>.

EIA (2012) Supplemental Tables on Petroleum Product detail. *Monthly Energy Review, February 2012*, Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0035(2012/02).

EIA (2011a) *Annual Energy Review 2010*. Energy Information Administration, U.S. Department of Energy. Washington, DC. DOE/EIA-0384(2011). October 19, 2011.

EIA (2011b) *Quarterly Coal Report: January-March 2011*. Energy Information Administration, U.S. Department of Energy. Washington, DC. DOE/EIA-0121.

EIA (2011c) *U.S. Energy-Related Carbon Dioxide Emissions, 2010*. Energy Information Administration, U.S. Department of Energy. Washington, DC. August 2011. Available online at <<http://www.eia.gov/environment/emissions/carbon/>>.

EIA (2009a) *Emissions of Greenhouse Gases in the United States 2008, Draft Report*. Office of Integrated Analysis and Forecasting, Energy Information Administration, U.S. Department of Energy. Washington, DC. DOE-EIA-0573(2009).

EIA (2009b) *Natural Gas Annual 2008*. Energy Information Administration, U.S. Department of Energy. Washington, DC. DOE/EIA-0131(06). November 2009.

EIA (2009c) *Manufacturing Consumption of Energy 2006*. Energy Information Administration, U.S. Department of Energy. Washington, DC. Released July, 2009.

EIA (2007a) Personal Communication. Joel Lou, Energy Information Administration. and Aaron Beaudette, ICF International. *Residual and Distillate Fuel Oil Consumption for Vessel Bunkering (Both International and Domestic) for American Samoa, U.S. Pacific Islands, and Wake Island*. October 24, 2007.

EIA (2007b) *Historical Natural Gas Annual, 1930 – 2007*. Energy Information Administration, U.S. Department of Energy. Washington, DC.

EIA (2002) *Alternative Fuels Data Tables*. Energy Information Administration, U.S. Department of Energy. Washington, DC. Available online at <<http://www.eia.doe.gov/fuel/alternate.html>>.

EIA (2001) *U.S. Coal, Domestic and International Issues*. Energy Information Administration, U.S. Department of Energy. Washington, DC. March 2001.

EIA (1991 through 2009) *Fuel Oil and Kerosene Sales*. Energy Information Administration, U.S. Department of Energy. Washington, DC. DOE/EIA-0535-annual.

EPA (2011) Acid Rain Program Dataset 1996-2010. Office of Air and Radiation, Office of Atmospheric Programs, U.S. Environmental Protection Agency, Washington, D.C.

EPA (2010a) Carbon Content Coefficients Developed for EPA's Mandatory Reporting Rule. Office of Air and Radiation, Office of Atmospheric Programs, U.S. Environmental Protection Agency, Washington, D.C.

EPA (2010b) *NONROAD 2009a Model*. Office of Transportation and Air Quality, U.S. Environmental Protection Agency. Available online at <<http://www.epa.gov/oms/nonrdmdl.htm>>.

Erickson, T. (2003) *Plains CO₂ Reduction (PCOR) Partnership*. Presented at the Regional Carbon Sequestration Partnership Meeting Pittsburgh, Pennsylvania, Energy and Environmental Research Center, University of North Dakota. November 3, 2003. Available online at <<http://www.netl.doe.gov/publications/proceedings/03/carbon-seq/Erickson.pdf>>.

- FAA (2012) Personal Communication between FAA and Leif Hockstad for aviation emissions estimates from the Aviation Environmental Design Tool (AEDT). February 2012.
- FAA (2011) *FAA Aerospace Forecasts Fiscal Years 2011-2031*. Table 30 "General Aviation Aircraft Fuel Consumption," Federal Aviation Administration. Available online at <http://www.faa.gov/about/office_org/headquarters_offices/apl/aviation_forecasts/aerospace_forecasts/2011-2031/media/2011%20Forecast%20Doc.pdf>.
- FAA (2006) *System for assessing Aviation's Global Emission (SAGE) Model*. Federal Aviation Administration's Office of Environment and Energy, 2006. Additional information available at: http://www.faa.gov/about/office_org/headquarters_offices/apl/research/models/sage/.
- Fitzpatrick, E. (2002) *The Weyburn Project: A Model for International Collaboration*. Available online at <<http://www.netl.doe.gov/coalpower/sequestration/pubs/mediarelease/mr-101102.pdf>>.
- FHWA (1996 through 2012) *Highway Statistics*. Federal Highway Administration, U.S. Department of Transportation, Washington, DC. Report FHWA-PL-96-023-annual. Available online at <<http://www.fhwa.dot.gov/policy/ohpi/hss/hsspubs.htm>>.
- FRB (2011) *Industrial Production and Capacity Utilization*. Federal Reserve Statistical Release, G.17, Federal Reserve Board. Available online at <http://www.federalreserve.gov/releases/G17/table1_2.htm>. November 16, 2010.
- Gaffney, J. (2007) Email Communication. John Gaffney, American Public Transportation Association and Joe Aamidor, ICF International. December 17, 2007.
- IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.
- IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.
- Jacobs, G. (2010) Personal communication. Gwendolyn Jacobs, Energy Information Administration and Rubaab Bhangu, ICF International. *U.S. Territories Fossil Fuel Consumption, 1990–2009*. Unpublished. U.S. Energy Information Administration. Washington, DC.
- Marland, G. and A. Pippin (1990) "United States Emissions of Carbon Dioxide to the Earth's Atmosphere by Economic Activity." *Energy Systems and Policy*, 14(4):323.
- SAIC/EIA (2001) *Monte Carlo Simulations of Uncertainty in U.S. Greenhouse Gas Emission Estimates. Final Report*. Prepared by Science Applications International Corporation (SAIC) for Office of Integrated Analysis and Forecasting, Energy Information Administration, U.S. Department of Energy. Washington, DC. June 22, 2001.
- USAF (1998) *Fuel Logistics Planning*. U.S. Air Force: AFPAM23-221. May 1, 1998.
- U.S. Bureau of the Census (2011) *Current Industrial Reports Fertilizer Materials and Related Products: 2010 Summary*. Available online at <http://www.census.gov/manufacturing/cir/historical_data/mq325b/index.html>.
- USGS (2011) *2010 Mineral Yearbook; Aluminum [Advanced Release]*. U.S. Geological Survey, Reston, VA.
- USGS (2010a) *2009 Mineral Commodity Summaries: Aluminum*. U.S. Geological Survey, Reston, VA.
- USGS (2007) *2006 Mineral Yearbook: Aluminum*. U.S. Geological Survey, Reston, VA.
- USGS (2009a) *2008 Mineral Yearbook: Aluminum*. U.S. Geological Survey, Reston, VA.
- USGS (1991 through 2011) *Minerals Yearbook: Manufactured Abrasives Annual Report*. U.S. Geological Survey, Reston, VA.
- USGS (1994 through 2011) *Minerals Yearbook: Lead Annual Report*. U.S. Geological Survey, Reston, VA.
- USGS (1995, 1998, 2000 through 2002) *Mineral Yearbook: Aluminum Annual Report*. U.S. Geological Survey, Reston, VA.

USGS (1991 through 2010a) *Minerals Yearbook: Silicon Annual Report*. U.S. Geological Survey, Reston, VA.

USGS (1991 through 2010b) *Mineral Yearbook: Titanium Annual Report*. U.S. Geological Survey, Reston, VA.

Stationary Combustion (excluding CO₂)

EIA (2012) Supplemental Tables on Petroleum Product detail. *Monthly Energy Review, February 2012*, Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0035(2012/02).

EIA (2010) *Annual Energy Review 2010*. Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0384(2011). October 19, 2011.

EPA (2010a) *NONROAD 2009a Model*. Office of Transportation and Air Quality, U.S. Environmental Protection Agency. Available online at <<http://www.epa.gov/oms/nonrdmdl.htm>>.

EPA (2010b) “2009 Average annual emissions, all criteria pollutants in MS Excel.” National Emissions Inventory (NEI) Air Pollutant Emissions Trends Data. Office of Air Quality Planning and Standards.

EPA (2003) E-mail correspondence. Air pollutant data. Office of Air Pollution to the Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency (EPA). December 22, 2003.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*. , National Greenhouse Gas Inventories Programme, Intergovernmental Panel on Climate Change. Montreal. May 2000. IPCC-XVI/Doc. 10 (1.IV.2000).

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

Jacobs, G. (2010) Personal communication. Gwendolyn Jacobs, Energy Information Administration and Rubaab Bhangu, ICF International. *U.S. Territories Fossil Fuel Consumption, 1990–2009*. Unpublished. U.S. Energy Information Administration. Washington, DC.

SAIC/EIA (2001) *Monte Carlo Simulations of Uncertainty in U.S. Greenhouse Gas Emission Estimates. Final Report*. Prepared by Science Applications International Corporation (SAIC) for Office of Integrated Analysis and Forecasting, Energy Information Administration, U.S. Department of Energy. Washington, DC. June 22, 2001.

Mobile Combustion (excluding CO₂)

AAR (2009 through 2011) *Railroad Facts*. Policy and Economics Department, Association of American Railroads, Washington, DC.

ANL (2006) Argonne National Laboratory (2006) GREET model Version 1.7. June 2006.

APTA (2007 through 2011) *Public Transportation Fact Book*. American Public Transportation Association, Washington, DC. Available online at <<http://www.apta.com/resources/statistics/Pages/transitstats.aspx>>.

APTA (2006) *Commuter Rail National Totals*. American Public Transportation Association, Washington, DC. Available online at <<http://www.apta.com/research/stats/rail/crsum.cfm>>.

Benson, D. (2002 through 2004) Personal communication. Unpublished data developed by the Upper Great Plains Transportation Institute, North Dakota State University and American Short Line & Regional Railroad Association.

BEA (1991 through 2005) Unpublished BE-36 survey data. Bureau of Economic Analysis (BEA), U.S. Department of Commerce.

Browning, L. (2009) Personal communication with Lou Browning, “Suggested New Emission Factors for Marine Vessels.”, ICF International.

Browning, L. (2005) Personal communication with Lou Browning, Emission control technologies for diesel highway vehicles specialist, ICF International.

- Browning, L. (2003) "VMT Projections for Alternative Fueled and Advanced Technology Vehicles through 2025." 13th CRC On-Road Vehicle Emissions Workshop. April 2003.
- DHS (2008) Email Communication. Elissa Kay, Department of Homeland Security and Joe Aamidor, ICF International. January 11, 2008.
- DESC (2011) Unpublished data from the Defense Fuels Automated Management System (DFAMS). Defense Energy Support Center, Defense Logistics Agency, U.S. Department of Defense. Washington, DC.
- DOC (1991 through 2011) Unpublished Report of Bunker Fuel Oil Laden on Vessels Cleared for Foreign Countries. Form-563. Foreign Trade Division, Bureau of the Census, U.S. Department of Commerce. Washington, DC.
- DOE (1993 through 2011) *Transportation Energy Data Book*. Office of Transportation Technologies, Center for Transportation Analysis, Energy Division, Oak Ridge National Laboratory. ORNL-5198.
- DOT (1991 through 2011) *Fuel Cost and Consumption*. U.S. Department of Transportation, Bureau of Transportation Statistics, Washington, DC. DAI-10. <http://www.transtats.bts.gov/fuel.asp>.
- EIA (2012) Supplemental Tables on Petroleum Product detail. *Monthly Energy Review, February 2012*, Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0035(2012/02).
- EIA (2011) *Annual Energy Review 2010*. Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0384(2011). October 19, 2011.
- EIA (2008a) "Table 3.1: World Petroleum Supply and Disposition." *International Energy Annual*. Energy Information Administration, U.S. Department of Energy. Washington, DC. Available online at <<http://www.eia.doe.gov/iea/pet.html>>.
- EIA (2007a) Personal Communication. Joel Lou, Energy Information Administration and Aaron Beaudette, ICF International. *Residual and Distillate Fuel Oil Consumption for Vessel Bunkering (Both International and Domestic) for American Samoa, U.S. Pacific Islands, and Wake Island*. October 24, 2007.
- EIA (2007 through 2011) *Natural Gas Annual*. Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0131(11).
- EIA (2002) *Alternative Fuels Data Tables*. Energy Information Administration, U.S. Department of Energy, Washington, DC. Available online at <<http://www.eia.doe.gov/fuelrenewable.html>>.
- EIA (1991 through 2012) *Fuel Oil and Kerosene Sales*. Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0535-annual.
- EPA (2008) "1970 - 2007 Average annual emissions, all criteria pollutants in MS Excel." *National Emissions Inventory (NEI) Air Pollutant Emissions Trends Data*. Office of Air Quality Planning and Standards. Available online at <<http://www.epa.gov/ttn/chief/trends/index.html>>.
- EPA (2007a) Annual Certification Test Results Report. Office of Transportation and Air Quality, U.S. Environmental Protection Agency. Available online at <<http://www.epa.gov/otaq/crttst.htm>>.
- EPA (2007b) Confidential engine family sales data submitted to EPA by manufacturers. Office of Transportation and Air Quality, U.S. Environmental Protection Agency.
- EPA (2011a) Motor Vehicle Emission Simulator (MOVES). Office of Transportation and Air Quality, U.S. Environmental Protection Agency. Available online at <<http://www.epa.gov/otaq/ngm.htm>>.
- EPA (2011b) *NONROAD 2008a Model*. Office of Transportation and Air Quality, U.S. Environmental Protection Agency. Available online at <<http://www.epa.gov/oms/nonrmdml.htm>>.
- EPA (2000) *Mobile6 Vehicle Emission Modeling Software*. Office of Mobile Sources, U.S. Environmental Protection Agency, Ann Arbor, Michigan.
- EPA (1999a) *Emission Facts: The History of Reducing Tailpipe Emissions*. Office of Mobile Sources. May 1999. EPA 420-F-99-017. Available online at <<http://www.epa.gov/oms/consumer/f99017.pdf>>.
- EPA (1999b) Regulatory Announcement: EPA's Program for Cleaner Vehicles and Cleaner Gasoline. Office of Mobile Sources. December 1999. EPA420-F-99-051. Available online at <<http://www.epa.gov/otaq/regs/ld->

hwy/tier-2/firm/f99051.pdf>.

EPA (1998) *Emissions of Nitrous Oxide from Highway Mobile Sources: Comments on the Draft Inventory of U.S. Greenhouse Gas Emissions and Sinks, 1990–1996*. Office of Mobile Sources, Assessment and Modeling Division, U.S. Environmental Protection Agency. August 1998. EPA420-R-98-009.

EPA (1997) *Mobile Source Emission Factor Model (MOBILE5a)*. Office of Mobile Sources, U.S. Environmental Protection Agency, Ann Arbor, Michigan.

EPA (1994a) *Automobile Emissions: An Overview*. Office of Mobile Sources. August 1994. EPA 400-F-92-007. Available online at <<http://www.epa.gov/otaq/consumer/05-autos.pdf>>.

EPA (1994b) *Milestones in Auto Emissions Control*. Office of Mobile Sources. August 1994. EPA 400-F-92-014. Available online at <<http://www.epa.gov/otaq/consumer/12-miles.pdf>>.

EPA (1993) *Automobiles and Carbon Monoxide*. Office of Mobile Sources. January 1993. EPA 400-F-92-005. Available online at <<http://www.epa.gov/otaq/consumer/03-co.pdf>>.

Esser, C. (2003 through 2004) Personal Communication with Charles Esser, Residual and Distillate Fuel Oil Consumption for Vessel Bunkering (Both International and Domestic) for American Samoa, U.S. Pacific Islands, and Wake Island.

FAA (2012) Personal Communication between FAA and Leif Hockstad for aviation emissions estimates from the Aviation Environmental Design Tool (AEDT). February 2012.

FAA (2011) *FAA Aerospace Forecasts Fiscal Years 2011-2031*. Table 30 “General Aviation Aircraft Fuel Consumption,” Federal Aviation Administration. Available online at <http://www.faa.gov/about/office_org/headquarters_offices/apl/aviation_forecasts/aerospace_forecasts/2011-2031/media/2011%20Forecast%20Doc.pdf>.

FAA (2006) *System for assessing Aviation’s Global Emission (SAGE) Model*. Federal Aviation Administration’s Office of Environment and Energy, 2006. Additional information available at: <http://www.faa.gov/about/office_org/headquarters_offices/apl/research/models/sage/>.

FHWA (1996 through 2012) *Highway Statistics*. Federal Highway Administration, U.S. Department of Transportation, Washington, DC. Report FHWA-PL-96-023-annual. Available online at <<http://www.fhwa.dot.gov/policyinformation/statistics.cfm>>.

Gaffney, J. (2007) Email Communication. John Gaffney, American Public Transportation Association and Joe Aamidor, ICF International. December 17, 2007.

ICF (2006a) *Revisions to Alternative Fuel Vehicle (AFV) Emission Factors for the U.S. Greenhouse Gas Inventory*. Memorandum from ICF International to John Davies, Office of Transportation and Air Quality, U.S. Environmental Protection Agency. November 2006.

ICF (2006b) *Revised Gasoline Vehicle EFs for LEV and Tier 2 Emission Levels*. Memorandum from ICF International to John Davies, Office of Transportation and Air Quality, U.S. Environmental Protection Agency. November 2006.

ICF (2004) *Update of Methane and Nitrous Oxide Emission Factors for On-Highway Vehicles*. Final Report to U.S. Environmental Protection Agency. February 2004.

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency, Paris, France.

Lipman, T. and M. Delucchi (2002) “Emissions of Nitrous Oxide and Methane from Conventional and Alternative Fuel Motor Vehicles.” *Climate Change*, 53:477-516.

Unnasch, S., L. Browning, and E. Kassoy (2001) *Refinement of Selected Fuel-Cycle Emissions Analyses, Final Report to ARB*.

U.S. Census Bureau (2000) *Vehicle Inventory and Use Survey*. U.S. Census Bureau, Washington, DC. Database CD-EC97-VIUS.

Whorton, D. (2006 through 2012) Personal communication, Class II and III Rail energy consumption, American Short Line and Regional Railroad Association.

Carbon Emitted from Non-Energy Uses of Fossil Fuels

ACC (2011) “*Guide to the Business of Chemistry, 2011*,” American Chemistry Council.

ACC (2003-2010) "PIPS Year-End Resin Statistics for 2010: Production, Sales and Captive Use." Available online at <<http://www.americanchemistry.com/Jobs/EconomicStatistics/Plastics-Statistics/Production-and-Sales-Data-by-Resin.pdf>>.

Bank of Canada (2011) Financial Markets Department Year Average of Exchange Rates. Available online at <http://www.bankofcanada.ca/rates/exchange/exchange-rates-in-pdf/?page_moved=1>.

EIA (2011) Supplemental Tables on Petroleum Product detail. *Monthly Energy Review, September 2011*, Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0035(2011/09).

EIA (2010) *EIA Manufacturing Consumption of Energy (MECS) 2006*, U.S. Department of Energy, Energy Information Administration, Washington, DC.

EIA (2005) *EIA Manufacturing Consumption of Energy (MECS) 2002*, U.S. Department of Energy, Energy Information Administration, Washington, DC.

EIA (2001) *EIA Manufacturing Consumption of Energy (MECS) 1998*, U.S. Department of Energy, Energy Information Administration, Washington, DC.

EIA (1997) *EIA Manufacturing Consumption of Energy (MECS) 1994*, U.S. Department of Energy, Energy Information Administration, Washington, DC.

EIA (1994) *EIA Manufacturing Consumption of Energy (MECS) 1991*, U.S. Department of Energy, Energy Information Administration, Washington, DC.

EPA (2011) EPA's Pesticides Industry Sales and Usage, 2006 and 2007 Market Estimates. Available online at <<http://www.epa.gov/oppbead1/pestsales/>. Accessed January 2012>.

EPA (2010) “1970 - 2009 Average annual emissions, all criteria pollutants in MS Excel.” National Emissions Inventory (NEI) Air Pollutant Emissions Trends Data. Office of Air Quality Planning and Standards. Available online at <<http://www.epa.gov/ttn/chief/trends/index.html>>.

EPA (2009) Biennial Reporting System (BRS) Database. U.S. Environmental Protection Agency, Envirofacts Warehouse. Washington, DC. Available online at <<http://www.epa.gov/enviro/html/brs/>>. Data for 2001-2007 are current as of Sept. 9, 2009.

EPA (2007b) *Municipal Solid Waste in the United States: Facts and Figures for 2006*. Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, Washington, DC. Available online at <<http://www.epa.gov/epaoswer/non-hw/muncpl/msw99.htm>>.

EPA (2006a) *Air Emissions Trends - Continued Progress Through 2005*. U.S. Environmental Protection Agency, Washington DC. December 19, 2006. Available online at <<http://www.epa.gov/air/airtrends/index.html>>.

EPA (2004) EPA's Pesticides Industry Sales and Usage, 2000 and 2001 Market Estimates. Available online at <<http://www.epa.gov/oppbead1/pestsales/>. Accessed September 2006>.

EPA (2002) EPA's Pesticides Industry Sales and Usage, 1998 and 1999 Market Estimates, table 3.6. Available online at <http://www.epa.gov/oppbead1/pestsales/99pestsales/market_estimates1999.pdf>. Accessed July 2003.

EPA (2001) AP 42, Volume I, Fifth Edition. Chapter 11: Mineral Products Industry. Available online at <<http://www.epa.gov/ttn/chief/ap42/ch11/index.html>>.

EPA (2000a) *Biennial Reporting System (BRS)*. U.S. Environmental Protection Agency, Envirofacts Warehouse. Washington, DC. Available online at <<http://www.epa.gov/enviro/html/brs/>>.

EPA (2000b) *Toxics Release Inventory, 1998*. U.S. Environmental Protection Agency, Office of Environmental Information, Office of Information Analysis and Access, Washington, DC. Available online at <<http://www.epa.gov/triexplorer/chemical.htm>>.

- EPA (1999) EPA's Pesticides Industry Sales and Usage, 1996-1997 Market Estimates. Available online at <http://www.epa.gov/oppbead1/pestsales/97pestsales/market_estimates1997.pdf>.
- EPA (1998) EPA's Pesticides Industry Sales and Usage, 1994-1995 Market Estimates. Available online at <http://www.epa.gov/oppbead1/pestsales/95pestsales/market_estimates1995.pdf>.
- FEB (2011) *Fiber Economics Bureau, as cited in C&EN (2011) Output Ramps up in all Regions*. Chemical Engineering News, American Chemical Society, 4 July. Available online at <<http://www.cen-online.org>>.
- FEB (2010) *Fiber Economics Bureau, as cited in C&EN (2010) Output Declines in U.S., Europe*. Chemical & Engineering News, American Chemical Society, 6 July. Available online at <<http://www.cen-online.org>>.
- FEB (2009) *Fiber Economics Bureau, as cited in C&EN (2009) Chemical Output Slipped In Most Regions* Chemical & Engineering News, American Chemical Society, 6 July. Available online at <<http://www.cen-online.org>>.
- FEB (2007) *Fiber Economics Bureau, as cited in C&EN (2007) Gains in Chemical Output Continue*. Chemical & Engineering News, American Chemical Society. July 2, 2007. Available online at <<http://www.cen-online.org>>.
- FEB (2005) *Fiber Economics Bureau, as cited in C&EN (2005) Production: Growth in Most Regions* Chemical & Engineering News, American Chemical Society, 11 July. Available online at <<http://www.cen-online.org>>.
- FEB (2003) *Fiber Economics Bureau, as cited in C&EN (2003) Production Inches Up in Most Countries*, Chemical & Engineering News, American Chemical Society, 7 July. Available online at <<http://www.cen-online.org>>.
- FEB (2001) *Fiber Economics Bureau, as cited in ACS (2001) Production: slow gains in output of chemicals and products lagged behind U.S. economy as a whole* Chemical & Engineering News, American Chemical Society, 25 June. Available online at <<http://pubs.acs.org/cen>>.
- Financial Planning Association (2006) Canada/US Cross-Border Tools: US/Canada Exchange Rates. Available online at <http://www.fpanet.org/global/planners/US_Canada_ex_rates.cfm>. Accessed August 16, 2006.
- Gosselin, Smith, and Hodge (1984) "Clinical Toxicology of Commercial Products." Fifth Edition, Williams & Wilkins, Baltimore.
- Huurman, J.W.F. (2006) *Recalculation of Dutch Stationary Greenhouse Gas Emissions Based on Sectoral Energy Statistics 1990-2002*. Statistics Netherlands, Voorburg, The Netherlands.
- IISRP (2003) "IISRP Forecasts Moderate Growth in North America to 2007" International Institute of Synthetic Rubber Producers, Inc. New Release. Available online at <<http://www.iisrp.com/press-releases/2003-Press-Releases/IISRP-NA-Forecast-03-07.html>>.
- IISRP (2000) "Synthetic Rubber Use Growth to Continue Through 2004, Says IISRP and RMA" International Institute of Synthetic Rubber Producers press release.
- INEGI (2006) Producción bruta total de las unidades económicas manufactureras por Subsector, Rama, Subrama y Clase de actividad. Available online at <http://www.inegi.gob.mx/est/contenidos/espanol/proyectos/censos/ce2004/tb_manufacturas.asp>. Accessed August 15.
- IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe, eds.; Institute for Global Environmental Strategies (IGES). Hayama, Kanagawa, Japan.
- IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.
- Marland, G., and R.M. Rotty (1984) "Carbon dioxide emissions from fossil fuels: A procedure for estimation and results for 1950-1982", *Tellus* 36b:232-261.
- NPRA (2002) North American Wax - A Report Card. Available online at <<http://www.npra.org/members/publications/papers/lubes/LW-02-126.pdf>>.
- RMA (2009a) *Scrap Tire Markets in the United States: 9th Biennial Report*. Rubber Manufacturers Association, Washington, DC. May 2009.

RMA (2009b) "Scrap Tire Markets: Facts and Figures – Scrap Tire Characteristics." Available online at: http://www.rma.org/scrap_tires/scrap_tire_markets/scrap_tire_characteristics/ Accessed 17 September 2009. Schneider, S. (2007) E-mail between Shelly Schneider of Franklin Associates (a division of ERG) and Sarah Shapiro of ICF International, January 10, 2007.

U.S. Bureau of the Census (2009) *Soap and Other Detergent Manufacturing: 2007*. Available online at <http://smpbff1.dsd.census.gov/TheDataWeb_HotReport/servlet/HotReportEngineServlet?emailname=vh@boc&filename=mfg1.hrml&20071204152004.Var.NAICS2002=325611&forward=20071204152004.Var.NAICS2002>.

U.S. Bureau of the Census (2004) *Soap and Other Detergent Manufacturing: 2002*, Issued December 2004, EC02-31I-325611 (RV). Available online at <<http://www.census.gov/prod/ec02/ec0231i325611.pdf>>.

U.S. Bureau of the Census (1999) *Soap and Other Detergent Manufacturing: 1997*, Available online at <<http://www.census.gov/epcd/www/ec97stat.htm>>.

U.S. International Trade Commission (1990-2011) "Interactive Tariff and Trade DataWeb: Quick Query." Available online at <<http://dataweb.usitc.gov/>>. Accessed October 2011.

Incineration of Waste

ArSova, Ljupka, Rob van Haaren, Nora Goldstein, Scott M. Kaufman, and Nickolas J. Themelis (2008) "16th Annual BioCycle Nationwide Survey: The State of Garbage in America" Biocycle, JG Press, Emmaus, PA. December.

Bahor, B (2009) Covanta Energy's public review comments re: *Draft Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2007*. Submitted via email on April 9, 2009 to Leif Hockstad, U.S. EPA.

De Soete, G.G. (1993) "Nitrous Oxide from Combustion and Industry: Chemistry, Emissions and Control." In A. R. Van Amstel, (ed) Proc. of the International Workshop Methane and Nitrous Oxide: Methods in National Emission Inventories and Options for Control, Amersfoort, NL. February 3-5, 1993.

Energy Recovery Council (2009) "2007 Directory of Waste-to-Energy Plants in the United States." Accessed September 29, 2009.

EPA (2011a) Municipal Solid Waste Generation, Recycling, and Disposal in the United States: Tables and Figures for 2010. Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency. Washington, DC. Available online at <<http://www.epa.gov/epaoswer/non-hw/muncpl/msw99.htm>>.

EPA (2007, 2008, 2011b) Municipal Solid Waste in the United States: Facts and Figures. Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency. Washington, DC. Available online at <<http://www.epa.gov/epaoswer/non-hw/muncpl/msw99.htm>>.

EPA (2006) Solid Waste Management and Greenhouse Gases: A Life-Cycle Assessment of Emissions and Sinks. Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency. Washington, DC.

EPA (2000) Characterization of Municipal Solid Waste in the United States: Source Data on the 1999 Update. Office of Solid Waste, U.S. Environmental Protection Agency. Washington, DC. EPA530-F-00-024.

Goldstein, N. and C. Madtes (2001) "13th Annual BioCycle Nationwide Survey: The State of Garbage in America." BioCycles, JG Press, Emmaus, PA. December 2001.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

Kaufman, et al. (2004) "14th Annual BioCycle Nationwide Survey: The State of Garbage in America 2004" Biocycle, JG Press, Emmaus, PA. January, 2004.

RMA (2012a) "Scrap Tire Markets: Facts and Figures – Scrap Tire Characteristics." Available online at <http://www.rma.org/scrap_tires/scrap_tire_markets/scrap_tire_characteristics/>. Accessed 18 January 2012.

RMA (2012b) "Rubber FAQs." Rubber Manufacturers Association. Available online at <http://www.rma.org/about_rma/rubber_faqs/> Accessed 18 January 2012>.

RMA (2011) "U.S. Scrap Tire Management Summary 2005-2009." Rubber Manufacturers Association. October

2011. Available online at: <http://www.rma.org/scrap_tires/scrap_tire_markets/2009_summary.pdf>.

Schneider, S. (2007) E-mail between Shelly Schneider of Franklin Associates (a division of ERG) and Sarah Shapiro of ICF International, January 10, 2007.

Simmons, et al. (2006) "15th Nationwide Survey of Municipal Solid Waste Management in the United States: The State of Garbage in America" BioCycle, JG Press, Emmaus, PA. April 2006.

van Haaren, Rob, Thermelis, N., and Goldstein, N. (2010) "The State of Garbage in America." BioCycle, October 2010. Volume 51, Number 10, pg. 16-23.

Coal Mining

AAPG (1984) *Coalbed Methane Resources of the United States*. AAPG Studies in Geology Series #17.

DOE (1983) *Methane Recovery from Coalbeds: A Potential Energy Source*. U.S. Department of Energy. DOE/METC/83-76.

EIA (2010) *Annual Coal Report 1991-2009* (Formerly called *Coal Industry Annual*). Table 1. Energy Information Administration, U.S. Department of Energy, Washington, DC.

EPA (1996) *Evaluation and Analysis of Gas Content and Coal Properties of Major Coal Bearing Regions of the United States*. U.S. Environmental Protection Agency. EPA/600/R-96-065.

GRI (1988) *A Geologic Assessment of Natural Gas from Coal Seams*. Topical Reports, Gas Research Institute 1986-88.

Mutmansky, Jan M. and Yanbei Wang (2000) "Analysis of Potential Errors in Determination of Coal Mine Annual Methane Emissions." *Mineral Resources Engineering*, 9(4). December 2000.

USBM (1986) *Results of the Direct Method Determination of the Gas Contents of U.S. Coal Basins*. Circular 9067, U.S. Bureau of Mines.

Abandoned Underground Coal Mines

EPA (2003) *Methane Emissions Estimates & Methodology for Abandoned Coal Mines in the U.S.* Draft Final Report. Washington, DC. June 2003.

Mutmansky, Jan M., and Yanbei Wang (2000) *Analysis of Potential Errors in Determination of Coal Mine Annual Methane Emissions*. Department of Energy and Geo-Environmental Engineering, Pennsylvania State University. University Park, PA.

U.S. Department of Labor, Mine Health & Safety Administration (2011) *Data Retrieval System*. Available online at <<http://www.msha.gov/drs/drshome.htm>>.

Natural Gas Systems

AAPG (2004) Shale Gas Exciting Again. American Association of Petroleum Geologists. Available online at <http://www.aapg.org/explorer/2001/03mar/gas_shales.html>.

AGA (1991 through 1998) Gas Facts. American Gas Association. Washington, DC.

API (2005) "Table 12—Section III—Producing Oil Wells in the United States by State." In *Basic Petroleum Data Book*. American Petroleum Institute, Volume XXV, Number 1. February 2005.

Alabama (2011) Alabama State Oil and Gas Board. Available online at <<http://www.ogb.state.al.us>>.

BOEMRE (2011a) Gulf of Mexico Region Offshore Information. Bureau of Ocean Energy Management, Regulation and Enforcement, U.S. Department of Interior. Available online at <<http://www.gomr.mms.gov/homepg/offshore/fldresv/resvmenu.html>>.

BOEMRE (2011b) Gulf of Mexico Region. Bureau of Ocean Energy Management, Regulation and Enforcement, U.S. Department of Interior. Available online at <<http://www.gomr.boemre.gov/homepg/pubinfo/freeasci/platform/freeplat.html>>.

BOEMRE (2011c) OCS Platform Activity. Bureau of Ocean Energy Management, Regulation and Enforcement, U.S. Department of Interior. Available online at <<http://www.boemre.gov/stats/PDFs/OCSPPlatformActivity.pdf>>.

- BOEMRE (2011d) Pacific OCS Region. Bureau of Ocean Energy Management, Regulation and Enforcement, U.S. Department of Interior. Available online at <<http://www.gomr.mms.gov/homepg/pubinfo/pacificfreeasci/platform/pacificfreeplat.html>>.
- BOEMRE (2004) *Gulfwide Emission Inventory Study for the Regional Haze and Ozone Modeling Effort*. OCS Study MMS 2004-072.
- Brookhaven (2004) Natural Gas Field Subject of Interest at Brookhaven College. Brookhaven College. Available online at <<http://www.brookhavencollege.edu/news/2004/news1752.html>>.
- EIA (2011a) Lease Condensate Production, 1989-2009, Natural Gas Navigator. Energy Information Administration, U.S. Department of Energy, Washington, DC. Available online at <http://www.eia.gov/dnav/ng/ng_prod_lc_sl_a.htm>.
- EIA (2011b) “Table 1—Summary of Natural Gas Supply and Disposition in the United States 2006-2011.” Natural Gas Monthly, Energy Information Administration, U.S. Department of Energy, Washington, DC. Available online at <<http://www.eia.doe.gov>>.
- EIA (2011c) “Table 2—Natural Gas Consumption in the United States 2006-2011.” Natural Gas Monthly, Energy Information Administration, U.S. Department of Energy, Washington, DC. Available online at <<http://www.eia.doe.gov>>.
- EIA (2011d) “Table 5—Marketed Production of Natural Gas in Selected States and the Federal Gulf of Mexico, 2006-2011.” Natural Gas Monthly, Energy Information Administration, U.S. Department of Energy, Washington, DC. Available online at <<http://www.eia.doe.gov>>.
- EIA (2011e) Table 5.2. Monthly Energy Review. Energy Information Administration, U.S. Department of Energy, Washington, DC. Available online at <<http://www.eia.doe.gov>>.
- EIA (2011f) Table 6.2. Annual Energy Review. Energy Information Administration, U.S. Department of Energy, Washington, DC. Available online at <<http://www.eia.doe.gov>>.
- EIA (2011g) Table A4. Annual Energy Review. Energy Information Administration, U.S. Department of Energy, Washington, DC. Available online at <<http://www.eia.doe.gov>>.
- EIA (2011h) U.S. Imports by Country. Energy Information Administration, U.S. Department of Energy, Washington, DC. Available online at <<http://www.eia.doe.gov>>.
- EIA (2005) “Table 5—U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1977-2003.” Energy Information Administration, Department of Energy, Washington, DC.
- EIA (2004) *US LNG Markets and Uses*. Energy Information Administration, U.S. Department of Energy, Washington, DC. June 2004. Available online at <http://www.eia.doe.gov/pub/oil_gas/natural_gas/feature_articles/2004/lng/lng2004.pdf>.
- EIA (2001) “Documentation of the Oil and Gas Supply Module (OGSM).” Energy Information Administration, U.S. Department of Energy, Washington, DC. Available online at <[http://tonto.eia.doe.gov/FTP/ROOT/modeldoc/m063\(2001\).pdf](http://tonto.eia.doe.gov/FTP/ROOT/modeldoc/m063(2001).pdf)>.
- EIA (1996) “Emissions of Greenhouse Gases in the United States” Carbon Dioxide Emissions. Energy Information Administration, U.S. Department of Energy, Washington, DC.
- EPA (2011) Natural Gas STAR Reductions 1990-2010. Natural Gas STAR Program.
- EPA (2007) *Reducing Methane Emissions During Completions Operations*. Natural Gas STAR Producer’s Technology Transfer Workshop. September 11, 2007. Available online at <http://epa.gov/gasstar/documents/workshops/glenwood-2007/04_recs.pdf>.
- EPA (2006a) *Installing Plunger Lift Systems in Gas Wells*. Lessons Learned from Natural Gas STAR Partners. October 2006. Available online on <http://epa.gov/gasstar/documents/ll_plungerlift.pdf>.
- EPA (2006b) *Replacing Wet Seals with Dry Seals in Centrifugal Compressors*. Lessons Learned from Natural Gas STAR Partners. October 2006. Available online at <http://epa.gov/gasstar/documents/ll_wetseals.pdf>.
- EPA (2004) *Green Completions* Natural Gas STAR Producer’s Technology Transfer Workshop. September 21,

2004. Available online at <<http://epa.gov/gasstar/workshops/techtransfer/2004/houston-02.html>>.

EPA (1999) *Estimates of Methane Emissions from the U.S. Oil Industry (Draft Report)*. Prepared by ICF-Kaiser, Office of Air and Radiation, U.S. Environmental Protection Agency. October 1999.

EPA/GRI (1996) *Methane Emissions from the Natural Gas Industry*. Prepared by Harrison, M., T. Shires, J. Wessels, and R. Cowgill, eds., Radian International LLC for National Risk Management Research Laboratory, Air Pollution Prevention and Control Division, Research Triangle Park, NC. EPA-600/R-96-080a.

FERC (2010) *North American LNG Terminals*. Federal Energy Regulatory Commission, Washington, DC. Available online at <<http://www.ferc.gov/industries/lng/indus-act/terminals/lng-existing.pdf>>.

GTI (2001) Gas Resource Database: Unconventional Natural Gas and Gas Composition Databases. Second Edition. GRI-01/0136.

HPDI (2010) Production and Permit Data, October 2010.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe, eds.; Institute for Global Environmental Strategies (IGES). Hayama, Kanagawa, Japan.

Kansas (2010) Kansas Geological Survey. Oil and Gas Production Data, All Wells, University of Kansas. Available online at <<http://www.kgs.ku.edu/PRS/petroDB.html>>.

Lippman (2003) Rocky Mountain Region Second Quarter 2003 Production Report. Lippman Consulting, Inc.

Montana (2010) Montana Online Oil and Gas Information System. Montana Board of Oil and Gas Conservation, Billing Office. Available online at <<http://bogc.dnrc.state.mt.us/jdpIntro.htm>>.

New Mexico (2011) Annual Gas Well Counts by State District. Available online at <<http://www.emnrd.state.nm.us/ocd/>>.

New Mexico (2005) Districts. Available online at <<http://www.emnrd.state.nm.us/ocd/districts.htm>>.

OGJ (1997-2011) “Worldwide Gas Processing.” *Oil & Gas Journal*, PennWell Corporation, Tulsa, OK. Available online at <<http://www.ogj.com/>>.

Oklahoma (2010) Oklahoma Petroleum Information Center—Coalbed-Methane Completions database. Oklahoma Geological Survey. Available online at <<http://www.ogs.ou.edu/homepage.php>>.

PHMSA (2010) Transmission Annuals Data. Pipeline and Hazardous Materials Safety Administration, U.S. Department of Transportation, Washington, DC. Available online at <<http://phmsa.dot.gov/pipeline/library/data-stats>>.

PHMSA (2011) Gas Distribution Annual Data. Pipeline and Hazardous Materials Safety Administration, U.S. Department of Transportation, Washington, DC. Available online at <<http://phmsa.dot.gov/pipeline/library/data-stats>>.

TERC (2009) *VOC Emissions from Oil and Condensate Storage Tanks*. Hendler, Albert, URS Corporation; Nunn, Jim, COMM Engineering; Lundeen, Joe, Trimeric Corporation. Revised April 2, 2009. Available online at: <<http://files.harc.edu/Projects/AirQuality/Projects/H051C/H051CFinalReport.pdf>>.

Texas (2011a) Gas Well Counts by County. Texas Railroad Commission. Available online at <<http://webapps.rrc.state.tx.us/PDQ/generalReportAction.do>>.

Texas (2011b) Oil Well Counts by County. Texas Railroad Commission. Available online at <<http://webapps.rrc.state.tx.us/PDQ/generalReportAction.do>>.

Texas (2010a) *The Barnett Shale Regional Report*. Foster, Brad, Devon Energy, Texas Railroad Commission. Available online at <<http://www.rrc.state.tx.us/data/index.php>>.

Texas (2010b) Oil and Gas District Boundaries. Texas Railroad Commission. Available online at <<http://www.rrc.state.tx.us/divisions/og/ogmap.html>>.

Utah (2010) Oil and Gas Data Download. Utah Division of Oil, Gas and Mining—Department of Natural Resources. Available online at <<http://ogm.utah.gov/oilgas/DOWNLOAD/downpage.htm>>.

WGC (2009) "Methane's Role in Promoting Sustainable Development in the Oil and Natural Gas Industry." October 2009.

World Oil Magazine (2011a) "Outlook 2011: Producing Gas Wells." 232(2). February 2011. Available online at <<http://www.worldoil.com>>.

World Oil Magazine (2011b) "Outlook 2011: Producing Oil Wells." 232(2). February 2011. Available online at <<http://www.worldoil.com>>.

Wyoming (2010) Wyoming Oil and Gas Conservation Commission. Available online at <<http://wogcc.state.wy.us/coalbedchart.cfm>>.

Petroleum Systems

API (2009) Compendium of Greenhouse gas Emissions Methodologies for the Oil and Gas Industry. American Petroleum Institute. Austin, TX, August 2009.

BOEMRE (2011a) *OCS Platform Activity*. Bureau of Ocean Energy Management, Regulation, and Enforcement, U.S. Department of Interior. Available online at <<http://www.boemre.gov/stats/>>.

BOEMRE (2011b) *Platform Information and Data*. Bureau of Ocean Energy Management, Regulation, and Enforcement, U.S. Department of Interior. Available online at <<http://www.gomr.boemre.gov/homepg/pubinfo/freeasci/platform/freeplat.html>>.

BOEMRE (2011c) *Pacific OCS Region*. Bureau of Ocean Energy Management, Regulation, and Enforcement, U.S. Department of Interior. Available online at <<http://www.gomr.boemre.gov/homepg/pubinfo/pacificfreeasci/platform/pacificfreeplat.html>>.

BOEMRE (2005) *Field and Reserve Information*. Bureau of Ocean Energy Management, Regulation, and Enforcement, U.S. Department of Interior. Available online at <<http://www.gomr.boemre.gov/homepg/offshore/fldresv/resvmenu.html>>.

BOEMRE (2004) *Gulfwide Emission Inventory Study for the Regional Haze and Ozone Modeling Effort*. Bureau of Ocean Energy Management, Regulation, and Enforcement (formerly Minerals Management Service), U.S. Department of Interior. OCS Study MMS 2004-072.

EIA (1990 through 2010) *Refinery Capacity Report*. Energy Information Administration, U.S. Department of Energy. Washington, DC. Available online at <http://www.eia.doe.gov/oil_gas/petroleum/data_publications/refinery_capacity_data/refcapacity.html>.

EIA (1995 through 2010a) *Annual Energy Review*. Energy Information Administration, U.S. Department of Energy. Washington, DC. Available online at <<http://www.eia.doe.gov/emeu/aer/contents.html>>.

EIA (1995 through 2010b) *Monthly Energy Review*. Energy Information Administration, U.S. Department of Energy. Washington, DC. Available online at <<http://www.eia.doe.gov/emeu/mer>>.

EIA (1995 through 2010) *Petroleum Supply Annual. Volume 1*. U.S. Department of Energy Washington, DC. Available online at: <http://www.eia.doe.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume1/psa_volume1.html>.

EPA (2005) *Incorporating the Mineral Management Service Gulfwide Offshore Activities Data System (GOADS) 2000 data into the methane emissions inventories*. Prepared by ICF International. U.S. Environmental Protection Agency. 2005.

EPA (1999) *Estimates of Methane Emissions from the U.S. Oil Industry (Draft Report)*. Prepared by ICF International. Office of Air and Radiation, U.S. Environmental Protection Agency. October 1999.

EPA (1996) *Methane Emissions from the U.S. Petroleum Industry (Draft)*. Prepared by Radian. U.S. Environmental Protection Agency. June 1996.

EPA (1995) *Compilation of Air Pollutant Emission Factors AP-42, Fifth Edition, Volume I: Stationary Point and Area Sources*. U.S. Environmental Protection Agency. Available online at <<http://www.epa.gov/ttn/chief/ap42/index.html>>.

EPA/GRI (1996a) *Methane Emissions from the Natural Gas Industry, V7: Blow and Purge Activities*. Prepared by Radian. U.S. Environmental Protection Agency. April 1996.

EPA/GRI (1996b) *Methane Emissions from the Natural Gas Industry, V11: Compressor Driver Exhaust*. Prepared by Radian. U.S. Environmental Protection Agency. April 1996.

EPA/GRI (1996c) *Methane Emissions from the Natural Gas Industry, V12: Pneumatic Devices*. Prepared by Radian. U.S. Environmental Protection Agency. April 1996.

EPA/GRI (1996d) *Methane Emissions from the Natural Gas Industry, V13: Chemical Injection Pumps*. Prepared by Radian. U.S. Environmental Protection Agency. April 1996.

HPDI (2011) Production and Permit Data, October 2009.

IOGCC (2009) *Marginal Wells: fuel for economic growth 2008 Report*. Interstate Oil & Gas Compact Commission. Available online at <<http://iogcc.myshopify.com/>>.

OGJ (2010a) *Oil and Gas Journal 1990-2009*. Pipeline Economics Issue, November 2010.

OGJ (2010b) *Oil and Gas Journal 1990-2009*. Worldwide Refining Issue, January 2010.

TERC (2009) *VOC Emissions from Oil and Condensate Storage Tanks*. Hendler, Albert, URS Corporation; Nunn, Jim, COMM Engineering; Lundeen, Joe, Trimeric Corporation. Revised April 2, 2009. Available online at: <<http://files.harc.edu/Projects/AirQuality/Projects/H051C/H051CFinalReport.pdf>>.

United States Army Corps of Engineers (1995-2009) *Waterborne Commerce of the United States, Part 5: National Summaries*. U.S. Army Corps of Engineers. Washington, DC.

Energy Sources of Indirect Greenhouse Gases

EPA (2010) “2009 Average annual emissions, all criteria pollutants in MS Excel.” *National Emissions Inventory (NEI) Air Pollutant Emissions Trends Data*. Office of Air Quality Planning and Standards.

EPA (2009) “1970 - 2008 Average annual emissions, all criteria pollutants in MS Excel.” *National Emissions Inventory (NEI) Air Pollutant Emissions Trends Data*. Office of Air Quality Planning and Standards. Available online at <<http://www.epa.gov/ttn/chief/trends/index.html>>.

EPA (2003) E-mail correspondence containing preliminary ambient air pollutant data. Office of Air Pollution and the Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency. December 22, 2003.

EPA (1997) *Compilation of Air Pollutant Emission Factors, AP-42*. Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency. Research Triangle Park, NC. October 1997.

International Bunker Fuels

Anderson, B.E., et al., *Alternative Aviation Fuel Experiment (AAFEX)*, NASA Technical Memorandum, in press, 2011.

ASTM (1989) *Military Specification for Turbine Fuels, Aviation, Kerosene Types, NATO F-34 (JP-8) and NATO F-35*. February 10, 1989. Available online at <http://test.wbdg.org/ccb/FEDMIL/t_83133d.pdf>.

Chevron (2000) *Aviation Fuels Technical Review (FTR-3)*. Chevron Products Company, Chapter 2. Available online at <http://www.chevron.com/products/prodserv/fuels/bulletin/aviationfuel/2_at_fuel_perf.shtm>.

DESC (2011) Unpublished data from the Defense Fuels Automated Management System (DFAMS). Defense Energy Support Center, Defense Logistics Agency, U.S. Department of Defense. Washington, DC.

DHS (2008) Personal Communication with Elissa Kay, Residual and Distillate Fuel Oil Consumption (International Bunker Fuels). Department of Homeland Security, Bunker Report. January 11, 2008.

DOC (2011) Unpublished Report of Bunker Fuel Oil Laden on Vessels Cleared for Foreign Countries. Form-563. Foreign Trade Division, Bureau of the Census, U.S. Department of Commerce. Washington, DC.

EIA (2011a) *Annual Energy Review 2010*. Energy Information Administration, U.S. Department of Energy. Washington, DC. DOE/EIA-0384(2011). October 19, 2011.

EIA (2011b) Supplemental Tables on Petroleum Product detail. *Monthly Energy Review, September 2011*, Energy

Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0035(2011/09).

FAA (2012) Personal Communication between FAA and Leif Hockstad for aviation emissions estimates from the Aviation Environmental Design Tool (AEDT). February 2012.

FAA (2006) *System for assessing Aviation's Global Emission (SAGE) Model*. Federal Aviation Administration's Office of Aviation Policy, Planning, and Transportation Topics, 2006.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

USAF (1998) *Fuel Logistics Planning*. U.S. Air Force pamphlet AFPAM23-221, May 1, 1998.

Wood Biomass and Ethanol Consumption

EIA (2011) *Annual Energy Review 2010*. Energy Information Administration, U.S. Department of Energy. Washington, DC. DOE/EIA-0384 (2010). October 19, 2011.

EPA (2011) Acid Rain Program Dataset 1996-2010. Office of Air and Radiation, Office of Atmospheric Programs, U.S. Environmental Protection Agency, Washington, D.C.

EPA (2010) Carbon Content Coefficients Developed for EPA's Mandatory Reporting Rule. Office of Air and Radiation, Office of Atmospheric Programs, U.S. Environmental Protection Agency, Washington, D.C.

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

Industrial Processes

Cement Production

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

U.S. Bureau of Mines (1990 through 1993) *Minerals Yearbook: Cement Annual Report*. U.S. Department of the Interior, Washington, DC.

USGS (1995 through 2011) *Mineral Commodity Summaries - Cement*. U.S. Geological Survey, Reston, VA.

Van Oss (2008) Personal communication. Hendrik van Oss, Commodity Specialist of the U.S. Geological Survey and Erin Gray, ICF International. December 16, 2008.

Lime Production

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*. , National Greenhouse Gas Inventories Programme, Intergovernmental Panel on Climate Change. Montreal. May 2000. IPCC-XVI/Doc. 10 (1.IV.2000).

Lutter (2009 through 2010) Personal communication. Karen Lutter, California Air Resources Board and Mausami Desai, EPA. October 20, 2009; September 28, 2010.

Males, E. (2003) Memorandum from Eric Males, National Lime Association to Mr. William N. Irving & Mr. Leif Hockstad, Environmental Protection Agency. March 6, 2003.

Miner, R. and B. Upton (2002) Methods for estimating greenhouse gas emissions from lime kilns at kraft pulp mills.

Energy. Vol. 27 (2002), p. 729-738.

Prillaman (2008 through 2010) Personal communication. Hunter Prillaman, National Lime Association and Mausami Desai, EPA. November 5, 2008; October 19, 2009; October 21, 2010.

USGS (1992 through 2011) *Minerals Yearbook: Lime*. U.S. Geological Survey, Reston, VA.

Limestone and Dolomite Use

U.S. Bureau of Mines (1991 & 1993a) *Minerals Yearbook: Crushed Stone Annual Report*. U.S. Department of the Interior. Washington, DC.

U.S. Bureau of Mines (1990 through 1993b) *Minerals Yearbook: Magnesium and Magnesium Compounds Annual Report*. U.S. Department of the Interior. Washington, DC.

USGS (1995 through 2011a) *Minerals Yearbook: Crushed Stone Annual Report*. U.S. Geological Survey, Reston, VA.

USGS (1995 through 2011b) *Minerals Yearbook: Magnesium Annual Report*. U.S. Geological Survey, Reston, VA.

Soda Ash Production and Consumption

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

USGS (1994 through 2011) *Minerals Yearbook: Soda Ash Annual Report*. U.S. Geological Survey, Reston, VA.

Ammonia Production and Urea Consumption

Bark (2004) *Coffeyville Nitrogen Plant* Available online at <http://www.gasification.org/Docs/2003_Papers/07BARK.pdf>. December 15, 2004.

Coffeyville Resources Nitrogen Fertilizers (2011) Nitrogen Fertilizer Operations. Available online at <<http://coffeyvillegroup.com/NitrogenFertilizerOperations/index.html>>.

Coffeyville Resources Nitrogen Fertilizers (2010) Nitrogen Fertilizer Operations. Available online at <<http://coffeyvillegroup.com/NitrogenFertilizerOperations/index.html>>.

Coffeyville Resources Nitrogen Fertilizers (2009) Nitrogen Fertilizer Operations. Available online at <<http://coffeyvillegroup.com/NitrogenFertilizerOperations/index.html>>.

Coffeyville Resources Nitrogen Fertilizers, LLC (2005 through 2007a) Business Data. Available online at <<http://www.coffeyvillegroup.com/businessSnapshot.asp>>.

Coffeyville Resources Nitrogen Fertilizers (2007b) Nitrogen Fertilizer Operations. Available online at <<http://coffeyvillegroup.com/nitrogenMain.aspx>>.

EEA (2004) *Natural Gas Issues for the U.S. Industrial and Power Generation Sectors*. Submitted to National Commission on Energy Policy.

EFMA (2000) *Best Available Techniques for Pollution Prevention and Control in the European Fertilizer Industry*. Booklet No. 5 of 8: Production of Urea and Urea Ammonium Nitrate.

EFMA (1995) *Production of Ammonia*. European Fertilizer Manufacturers Association. March 1, 1995.

EIA (2011) *Natural Gas Prices for the U.S. 2005-2010* Available online at <http://205.254.135.24/dnav/ng/ng_pri_sum_dcu_nus_a.htm>.

TFI (2002) *U.S. Nitrogen Imports/Exports Table*. The Fertilizer Institute. Available online at <<http://www.tfi.org/statistics/usnexim.asp>>. August 2002.

TIG (2002) *Chemical Profiles – Urea*. The Innovation Group. Available online at <<http://www.the-innovation-group.com/ChemProfiles/Urea.htm>>. September 2007.

U.S. Bureau of the Census (2011) *Current Industrial Reports Fertilizer Materials and Related Products: 2010 Summary*. Available online at <http://www.census.gov/manufacturing/cir/historical_data/mq325b/index.html>.

- U.S. Bureau of the Census (2010) *Current Industrial Reports Fertilizer Materials and Related Products: 2009 Summary*. Available online at <http://www.census.gov/manufacturing/cir/historical_data/mq325b/index.html>.
- U.S. Bureau of the Census (2009) *Current Industrial Reports Fertilizer Materials and Related Products: 2008 Summary*. Available online at <http://www.census.gov/manufacturing/cir/historical_data/mq325b/index.html>.
- U.S. Bureau of the Census (2008) *Current Industrial Reports Fertilizer Materials and Related Products: 2007 Summary*. Available online at <<http://www.census.gov/cir/www/325/mq325b/mq325b075.xls>>.
- U.S. Census Bureau (2007) *Current Industrial Reports Fertilizer Materials and Related Products: 2006 Summary*. Available online at <<http://www.census.gov/industry/1/mq325b065.pdf>>.
- U.S. Census Bureau (2006) *Current Industrial Reports Fertilizer Materials and Related Products: 2005 Summary*. Available online at <<http://www.census.gov/cir/www/325/mq325b.html>>.
- U.S. Census Bureau (2002, 2004, 2005) *Current Industrial Reports Fertilizer Materials and Related Products: Fourth Quarter Report Summary*. Available online at <<http://www.census.gov/cir/www/325/mq325b.html>>.
- U.S. Census Bureau (1998 through 2002b, 2003) *Current Industrial Reports Fertilizer Materials and Related Products: Annual Reports Summary*. Available online at <<http://www.census.gov/cir/www/325/mq325b.html>>.
- U.S. Census Bureau (2002a) *Current Industrial Reports Fertilizer Materials and Related Products: First Quarter 2002*. June 2002. Available online at <<http://www.census.gov/cir/www/325/mq325b.html>>.
- U.S. Census Bureau (2002c) *Current Industrial Reports Fertilizer Materials and Related Products: Third Quarter 2001*. January 2002. Available online at <<http://www.census.gov/cir/www/325/mq325b.html>>.
- U.S. Census Bureau (2001a) *Current Industrial Reports Fertilizer Materials and Related Products: Second Quarter 2001*. September 2001. Available online at <<http://www.census.gov/cir/www/325/mq325b.html>>.
- U.S. Census Bureau (1991 through 1994) *Current Industrial Reports Fertilizer Materials Annual Report*. Report No. MQ28B. U.S. Census Bureau, Washington, DC.
- U.S. Department of Agriculture (2011) Economic Research Service Data Sets, Data Sets, U.S. Fertilizer Imports/Exports: Standard Tables. Available online at <<http://www.ers.usda.gov/Data/FertilizerTrade/standard.htm>>.
- USGS (1994 through 2009) Minerals Yearbook: Nitrogen. Available online at <<http://minerals.usgs.gov/minerals/pubs/commodity/nitrogen/>>.
- U.S. ITC (2002) *United States International Trade Commission Interactive Tariff and Trade DataWeb, Version 2.5.0*. Available online at <http://dataweb.usitc.gov/scripts/user_set.asp>. August 2002.
- Urea Consumption for Non-Agricultural Purposes**
- EFMA (2000) *Best Available Techniques for Pollution Prevention and Control in the European Fertilizer Industry*. Booklet No. 5 of 8: Production of Urea and Urea Ammonium Nitrate.
- IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.
- TFI (2002) *U.S. Nitrogen Imports/Exports Table*. The Fertilizer Institute. Available online at <<http://www.tfi.org/statistics/usnexim.asp>>. August 2002.
- U.S. Bureau of the Census (2011) *Current Industrial Reports Fertilizer Materials and Related Products: 2010 Summary*. Available online at <http://www.census.gov/manufacturing/cir/historical_data/mq325b/index.html>.
- U.S. Bureau of the Census (2010) *Current Industrial Reports Fertilizer Materials and Related Products: 2009 Summary*. Available online at <http://www.census.gov/manufacturing/cir/historical_data/mq325b/index.html>.
- U.S. Bureau of the Census (2009) *Current Industrial Reports Fertilizer Materials and Related Products: 2008 Summary*. Available online at <http://www.census.gov/manufacturing/cir/historical_data/mq325b/index.html>.
- U.S. Bureau of the Census (2008) *Current Industrial Reports Fertilizer Materials and Related Products: 2007 Summary*. Available online at <<http://www.census.gov/cir/www/325/mq325b/mq325b075.xls>>.

U.S. Census Bureau (2007) *Current Industrial Reports Fertilizer Materials and Related Products: 2006 Summary*. Available online at <<http://www.census.gov/industry/1/mq325b065.pdf>>.

U.S. Census Bureau (2006) *Current Industrial Reports Fertilizer Materials and Related Products: 2005 Summary*. Available online at <<http://www.census.gov/cir/www/325/mq325b.html>>.

U.S. Census Bureau (2002, 2004, 2005) *Current Industrial Reports Fertilizer Materials and Related Products: Fourth Quarter Report Summary*. Available online at <<http://www.census.gov/cir/www/325/mq325b.html>>.

U.S. Census Bureau (1998 through 2002b, 2003) *Current Industrial Reports Fertilizer Materials and Related Products: Annual Reports Summary*. Available online at <<http://www.census.gov/cir/www/325/mq325b.html>>.

U.S. Census Bureau (2002a) *Current Industrial Reports Fertilizer Materials and Related Products: First Quarter 2002*. June 2002. Available online at <<http://www.census.gov/cir/www/325/mq325b.html>>.

U.S. Census Bureau (2002c) *Current Industrial Reports Fertilizer Materials and Related Products: Third Quarter 2001*. January 2002. Available online at <<http://www.census.gov/cir/www/325/mq325b.html>>.

U.S. Census Bureau (2001a) *Current Industrial Reports Fertilizer Materials and Related Products: Second Quarter 2001*. September 2001. Available online at <<http://www.census.gov/cir/www/325/mq325b.html>>.

U.S. Department of Agriculture (2011) Economic Research Service Data Sets, Data Sets, U.S. Fertilizer Imports/Exports: Standard Tables. Available online at <<http://www.ers.usda.gov/Data/FertilizerTrade/standard.htm>>.

USGS (1994 through 2009) Minerals Yearbook: Nitrogen. Available online at <<http://minerals.usgs.gov/minerals/pubs/commodity/nitrogen/>>.

U.S. ITC (2002) *United States International Trade Commission Interactive Tariff and Trade DataWeb, Version 2.5.0*. Available online at <http://dataweb.usitc.gov/scripts/user_set.asp>. August 2002.

Nitric Acid Production

Desai (2012) Personal communication. Mausami Desai, U.S. Environmental Protection Agency, January 25, 2012.

EPA (2010) *Draft Nitric Acid Database*. U.S. Environmental Protection Agency, Office of Air and Radiation. September, 2010.

EPA (1997) *Compilation of Air Pollutant Emission Factors, AP-42*. Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency. Research Triangle Park, NC. October 1997.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

US Census Bureau (2011) *Current Industrial Reports. Fertilizers and Related Chemicals: 2010*. “Table 1: Summary of Production of Principle Fertilizers and Related Chemicals: 2009 and 2010.” June, 2011. MQ325B(10)-5. Available online at <http://www.census.gov/manufacturing/cir/historical_data/mq325b/index.html>.

US Census Bureau (2010a) *Current Industrial Reports. Fertilizers and Related Chemicals: 2009*. “Table 1: Summary of Production of Principle Fertilizers and Related Chemicals: 2009 and 2008.” June, 2010. MQ325B(08)-5. Available online at <http://www.census.gov/manufacturing/cir/historical_data/mq325b/index.html>.

US Census Bureau (2010b) Personal communication between Hilda Ward (of U.S. Census Bureau) and Caroline Cochran (of ICF International). October 26, 2010 and November 5, 2010.

US Census Bureau (2009) *Current Industrial Reports. Fertilizers and Related Chemicals: 2008*. “Table 1: Shipments and Production of Principal Fertilizers and Related Chemicals: 2004 to 2008.” June, 2009. MQ325B(08)-5. Available online at <http://www.census.gov/manufacturing/cir/historical_data/mq325b/index.html>.

US Census Bureau (2008) *Current Industrial Reports. Fertilizers and Related Chemicals: 2007*. “Table 1: Shipments and Production of Principal Fertilizers and Related Chemicals: 2003 to 2007.” June, 2008. MQ325B(07)-5. Available online at <http://www.census.gov/manufacturing/cir/historical_data/mq325b/index.html>.

US Census Bureau (2006) *Current Industrial Reports*., “Table 995: Inorganic Chemicals and Fertilizers.” August,

2006. Series MAQ325A Available online at <www.census.gov/compendia/statab/2007/tables/07s0995.xls>.

Adipic Acid Production

ACC (2011) "Business of Chemistry (Annual Data).xls." American Chemistry Council Guide to the Business of Chemistry. August 2011.

C&EN (1995) "Production of Top 50 Chemicals Increased Substantially in 1994." *Chemical & Engineering News*, 73(15):17. April 10, 1995.

C&EN (1994) "Top 50 Chemicals Production Rose Modestly Last Year." *Chemical & Engineering News*, 72(15):13. April 11, 1994.

C&EN (1993) "Top 50 Chemicals Production Recovered Last Year." *Chemical & Engineering News*, 71(15):11. April 12, 1993.

C&EN (1992) "Production of Top 50 Chemicals Stagnates in 1991." *Chemical & Engineering News*, 70(15): 17. April 13, 1992.

CMR (2001) "Chemical Profile: Adipic Acid." *Chemical Market Reporter*. July 16, 2001.

CMR (1998) "Chemical Profile: Adipic Acid." *Chemical Market Reporter*. June 15, 1998.

CW (2007) "Product Focus: Adipic Acid." *Chemical Week*. August 1-8, 2007.

CW (2005) "Product Focus: Adipic Acid." *Chemical Week*. May 4, 2005.

CW (1999) "Product Focus: Adipic Acid/Adiponitrile." *Chemical Week*, p. 31. March 10, 1999.

Desai (2012) Personal communication. Mausami Desai, U.S. Environmental Protection Agency and Toby Mandel, ICF International, January 25, 2012.

Desai (2010) Personal communication. Mausami Desai, U.S. Environmental Protection Agency, and Caroline Cochran, ICF International. November 8, 2010.

Desai (2009) Personal communication. Mausami Desai, U.S. Environmental Protection Agency and Joseph Herr, ICF International. November 19, 2009.

ICIS (2007) "Adipic Acid." *ICIS Chemical Business Americas*. July 9, 2007.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

Reimer, R.A., Slaten, C.S., Seapan, M., Koch, T.A. and Triner, V.G. (1999) "Implementation of Technologies for Abatement of N₂O Emissions Associated with Adipic Acid Manufacture." Proceedings of the 2nd Symposium on Non-CO₂ Greenhouse Gases (NCGG-2), Noordwijkerhout, The Netherlands, 8-10 Sept. 1999, Ed. J. van Ham *et al.*, Kluwer Academic Publishers, Dordrecht, pp. 347-358.

SEI (2010) *Industrial N₂O Projects Under the CDM: Adipic Acid – A Case for Carbon Leakage?* Stockholm Environment Institute Working Paper WP-US-1006. October 9, 2010.

Thiemens, M.H., and W.C. Trogler (1991) "Nylon production; an unknown source of atmospheric nitrous oxide." *Science* 251:932-934.

VA DEQ (2010) Personal communication. Stanley Faggert, Virginia Department of Environmental Quality and Joseph Herr, ICF International. March 12, 2010.

VA DEQ (2009) Personal communication. Stanley Faggert, Virginia Department of Environmental Quality and Joseph Herr, ICF International. October 26, 2009.

VA DEQ (2006) Virginia Title V Operating Permit. Honeywell International Inc. Hopewell Plant. Virginia Department of Environmental Quality. Permit No. PRO50232. Effective January 1, 2007.

Silicon Carbide Production

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas

Inventories Programme, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe, eds.; Institute for Global Environmental Strategies (IGES). Hayama, Kanagawa, Japan.

U.S. Census Bureau (2005 through 2011) *U.S International Trade Commission (USITC) Trade DataWeb*. Available online at <<http://dataweb.usitc.gov/>>.

USGS (2011a) *Minerals Commodity Summary: Abrasives (Manufactured) 2009*. U.S. Geological Survey, Reston, VA.

USGS (1991a through 2010a and 2011b) *Minerals Yearbook: Manufactured Abrasives Annual Report*. U.S. Geological Survey, Reston, VA.

USGS (1991b through 2010b and 2011c) *Minerals Yearbook: Silicon Annual Report*. U.S. Geological Survey, Reston, VA.

Petrochemical Production

ACC (2002, 2003, 2005 through 2011) *Guide to the Business of Chemistry*. American Chemistry Council, Arlington, VA.

EIA (2004) *Annual Energy Review 2003*. Energy Information Administration, U.S. Department of Energy. Washington, DC. DOE/EIA-0384(2003). September 2004.

EIA (2003) *Emissions of Greenhouse Gases in the United States 2002*. Office of Integrated Analysis and Forecasting, Energy Information Administration, U.S. Department of Energy. Washington, DC. DOE-EIA-0573(2002). February 2003.

European IPPC Bureau (2004) *Draft Reference Document on Best Available Techniques in the Large Volume Inorganic Chemicals—Solid and Others Industry*, Table 4.21. European Commission, 224. August 2004.

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

Jordan, J. (2011a) Personal communication, Jim Jordan of Jordan Associates on behalf of the Methanol Institute and Pier LaFarge, ICF International. October 19th, 2011

Jordan, J. (2011b) Personal communication, Jim Jordan of Jordan Associates on behalf of the Methanol Institute and Pier LaFarge, ICF International. October 18th, 2011

Johnson, G. L. (2011) Personal communication. Greg Johnson of Liskow & Lewis, on behalf of the International Carbon Black Association (ICBA) and Pier LaFarge, ICF International. October 2011.

Johnson, G. L. (2010) Personal communication. Greg Johnson of Liskow & Lewis, on behalf of the International Carbon Black Association (ICBA) and Caroline Cochran, ICF International. September 2010.

Johnson, G. L. (2009) Personal communication. Greg Johnson of Liskow & Lewis, on behalf of the International Carbon Black Association (ICBA) and Jean Y. Kim, ICF International. October 2009.

Johnson, G. L. (2008) Personal communication. Greg Johnson of Liskow & Lewis, on behalf of the International Carbon Black Association (ICBA) and Jean Y. Kim, ICF International. November 2008.

Johnson, G. L. (2007) Personal communication. Greg Johnson of Liskow & Lewis, on behalf of the International Carbon Black Association (ICBA) and Tristan Kessler, ICF International. November 2007.

Johnson, G. L. (2006) Personal communication. Greg Johnson of Liskow & Lewis, on behalf of the International Carbon Black Association (ICBA) and Erin Fraser, ICF International. October 2006.

Johnson, G. L. (2005) Personal communication. Greg Johnson of Liskow & Lewis, on behalf of the International Carbon Black Association (ICBA) and Erin Fraser, ICF International. October 2005.

Johnson, G. L. (2003) Personal communication. Greg Johnson of Liskow & Lewis, on behalf of the International Carbon Black Association (ICBA) and Caren Mintz, ICF International November 2003.

Othmer, K. (1992) Carbon (*Carbon Black*), Vol. 4, 1045.

Srivastava, Manoj, I.D. Singh, and Himmat Singh (1999) “Structural Characterization of Petroleum Based Feedstocks for Carbon Black Production,” Table-1. *Petroleum Science and Technology* 17(1&2):67-80.

The Innovation Group (2004) *Carbon Black Plant Capacity*. Available online at <<http://www.the-innovation-group.com/ChemProfiles/Carbon%20Black.htm>>.

U.S. Census Bureau (2007) 2006 *Economic Census: Manufacturing—Industry Series: Carbon Black Manufacturing*. Department of Commerce. Washington, DC. EC073113. June 2009.

U.S. Census Bureau (2004) 2002 *Economic Census: Manufacturing—Industry Series: Carbon Black Manufacturing*. Department of Commerce. Washington, DC. EC02-311-325182. September 2004.

U.S. Census Bureau (1999) 1997 *Economic Census: Manufacturing—Industry Series: Carbon Black Manufacturing*. Department of Commerce. Washington, DC. EC97M-3251F. August 1999.

Titanium Dioxide Production

Gambogi, J. (2002) Telephone communication. Joseph Gambogi, Commodity Specialist, U.S. Geological Survey and Philip Groth, ICF International. November 2002.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

Nelson, H.W. (1969) *Petroleum Coke Handling Problems*. Great Lakes Carbon Corporation.

USGS (2011a) *Mineral Commodity Summary: Titanium 2010*. U.S. Geological Survey, Reston, VA.

USGS (USGS 1991 through 2011b) *Mineral Yearbook: Titanium Annual Report*. U.S. Geological Survey, Reston, VA.

Carbon Dioxide Consumption

Allis, R. et al. (2000) *Natural CO₂ Reservoirs on the Colorado Plateau and Southern Rocky Mountains: Candidates for CO₂ Sequestration*. Utah Geological Survey and Utah Energy and Geoscience Institute. Salt Lake City, Utah.

ARI (1990 through 2011) *CO₂ Use in Enhanced Oil Recovery*. Deliverable to ICF International under Task Order 102, July 15, 2011.

ARI (2007) *CO₂-EOR: An Enabling Bridge for the Oil Transition*. Presented at “Modeling the Oil Transition—a DOE/EPA Workshop on the Economic and Environmental Implications of Global Energy Transitions.” Washington, DC. April 20-21, 2007.

ARI (2006) *CO₂-EOR: An Enabling Bridge for the Oil Transition*. Presented at “Modeling the Oil Transition—a DOE/EPA Workshop on the Economic and Environmental Implications of Global Energy Transitions.” Washington, DC. April 20-21, 2006.

Broadhead (2003) Personal communication. Ron Broadhead, Principal Senior Petroleum Geologist and Adjunct faculty, Earth and Environmental Sciences Department, New Mexico Bureau of Geology and Mineral Resources, and Robin Pestrusak, ICF International. September 5, 2003.

COGCC (2011) Monthly Production Reports. Available online at <<http://cogcc.state.co.us/COGCCReports/production.aspx?id=MonthlyCO2ProdByCounty>>. Accessed September 2011.

Denbury Resources Inc. (2002 through 2011) *Annual Report: Form 10-K*. Available online at <<http://ir.denbury.com/phoenix.zhtml?c=72374&p=irol-reportsAnnual>>. Accessed September 2011.

New Mexico Bureau of Geology and Mineral Resources (2006) Natural Accumulations of Carbon Dioxide in New Mexico and Adjacent Parts of Colorado and Arizona: Commercial Accumulation of CO₂. Available online at <<http://geoinfo.nmt.edu/staff/broadhead/CO2.html#commercial>>.

Phosphoric Acid Production

EFMA (2000) “Production of Phosphoric Acid.” *Best Available Techniques for Pollution Prevention and Control in the European Fertilizer Industry*. Booklet 4 of 8. European Fertilizer Manufacturers Association. Available online at

<<http://www.efma.org/Publications/BAT%202000/Bat04/section04.asp>>.

FIPR (2003) “Analyses of Some Phosphate Rocks.” Facsimile Gary Albarelli, the Florida Institute of Phosphate Research, Bartow, Florida, to Robert Lanza, ICF International. July 29, 2003.

FIPR (2003a) Florida Institute of Phosphate Research. Personal communication. Mr. Michael Lloyd, Laboratory Manager, FIPR, Bartow, Florida, to Mr. Robert Lanza, ICF International. August 2003.

USGS (1994 through 2011) *Minerals Yearbook. Phosphate Rock Annual Report*. U.S. Geological Survey, Reston, VA.

Iron and Steel Production and Metallurgical Coke Production

AISI (2004 through 2011a) *Annual Statistical Report*, American Iron and Steel Institute, Washington, DC.

AISI (2011b) Personal communication, Paul Stewart, ICF International, and the American Iron and Steel Institute, August, 2011.

AISI (2008b) Personal communication, Mausami Desai, US EPA, and the American Iron and Steel Institute, October 2008.

DOE (2000) *Energy and Environmental Profile of the U.S. Iron and Steel Industry*. Office of Industrial Technologies, U.S. Department of Energy. August 2000. DOE/EE-0229.EIA

EIA (2011a) *Annual Energy Review 2010*, Energy Information Administration, U.S. Department of Energy. Washington, DC. DOE/EIA-0384(2010).

EIA (2011b) *Natural Gas Annual 2010*, Energy Information Administration, U.S. Department of Energy. Washington, DC. DOE/EIA-0131(10).

EIA (2011c) Supplemental Tables on Petroleum Product detail. *Monthly Energy Review*, September 2011, Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0035(2011/09).

EIA (1998 through 2011d) *Quarterly Coal Report: October-December*, Energy Information Administration, U.S. Department of Energy. Washington, DC. DOE/EIA-0121.

EIA (1992) Coal and lignite production. *EIA State Energy Data Report 1992*, Energy Information Administration, U.S. Department of Energy, Washington, DC.

EPA (2010) Carbon Content Coefficients Developed for EPA's Mandatory Reporting Rule. Office of Air and Radiation, Office of Atmospheric Programs, U.S. Environmental Protection Agency, Washington, D.C.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC/UNEP/OECD/IEA (1995) “Volume 3: Greenhouse Gas Inventory Reference Manual. Table 2-2”. *IPCC Guidelines for National Greenhouse Gas Inventories*. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. IPCC WG1 Technical Support Unit, United Kingdom.

USGS (2011) *Mineral Industry Surveys: Iron and Steel Scrap in December 2010*. U.S. Geological Survey, Reston, VA.

Ferroalloy Production

Corathers, L. (2012) Personal communication. Lisa Corathers, Commodity Specialist, U.S. Geological Survey and Paul Stewart, ICF International. March 09, 2012.

Corathers, L. (2011) Personal communication. Lisa Corathers, Commodity Specialist, U.S. Geological Survey and Paul Stewart, ICF International. March 11, 2011.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

Onder, H., and E.A. Bagdoyan (1993) Everything You've Always Wanted to Know about Petroleum Coke. Allis Mineral Systems.

USGS (1991 through 2010) Minerals Yearbook: Silicon Annual Report. U.S. Geological Survey, Reston, VA.

Aluminum Production

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*. National Greenhouse Gas Inventories Programme, Intergovernmental Panel on Climate Change. Montreal. May 2000. IPCC-XVI/Doc. 10 (1.IV.2000).

USAA (2012) *U.S. Primary Aluminum Production 2011*. U.S. Aluminum Association, Washington, DC. January, 2012.

USAA (2011a) *U.S. Primary Aluminum Production 2010*. U.S. Aluminum Association, Washington, DC.

USAA (2011b) *U.S. Primary Aluminum Production 2011*. U.S. Aluminum Association, Washington, DC. November, 2011.

USAA (2010) *U.S. Primary Aluminum Production 2009*. U.S. Aluminum Association, Washington, DC.

USAA (2008, 2009) *U.S. Primary Aluminum Production*. U.S. Aluminum Association, Washington, DC.

USAA (2004, 2005, 2006) *Primary Aluminum Statistics*. U.S. Aluminum Association, Washington, DC.

USGS (2011) *2010 Mineral Yearbook; Aluminum [Advanced Release]*. U.S. Geological Survey, Reston, VA.

USGS (2010a) *2009 Mineral Commodity Summaries: Aluminum*. U.S. Geological Survey, Reston, VA.

USGS (2010b) *Mineral Industry Surveys: Aluminum in December 2009*. U.S. Geological Survey, Reston, VA.

USGS (2010c) *Mineral Industry Surveys: Aluminum in September 2010*. U.S. Geological Survey, Reston, VA.

USGS (2009a) *2008 Mineral Yearbook: Aluminum*. U.S. Geological Survey, Reston, VA.

USGS (2009b) *Mineral Industry Surveys: Aluminum in December 2008*. U.S. Geological Survey, Reston, VA.

USGS (2007) *2006 Mineral Yearbook: Aluminum*. U.S. Geological Survey, Reston, VA.

USGS (1995, 1998, 2000, 2001, 2002) *Minerals Yearbook: Aluminum Annual Report*. U.S. Geological Survey, Reston, VA.

Magnesium Production and Processing

Bartos S., C. Laush, J. Scharfenberg, and R. Kantamaneni (2007) "Reducing greenhouse gas emissions from magnesium die casting," *Journal of Cleaner Production*, 15: 979-987, March.

Gjestland, H. and D. Magers (1996) "Practical Usage of Sulphur [Sulfur] Hexafluoride for Melt Protection in the Magnesium Die Casting Industry," #13, *1996 Annual Conference Proceedings*, International Magnesium Association. Ube City, Japan.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

RAND (2002) RAND Environmental Science and Policy Center, "Production and Distribution of SF₆ by End-Use Applications" Katie D. Smythe. *International Conference on SF₆ and the Environment: Emission Reduction Strategies*. San Diego, CA. November 21-22, 2002.

USGS (2002, 2003, 2005 through 2008, and 2011b) Minerals Yearbook: Magnesium Annual Report. U.S. Geological Survey, Reston, VA. Available online at <<http://minerals.usgs.gov/minerals/pubs/commodity/magnesium/index.html#mis>>.

USGS (2010a) *Mineral Commodity Summaries: Magnesium Metal*. U.S. Geological Survey, Reston, VA. Available

online at < <http://minerals.usgs.gov/minerals/pubs/commodity/magnesium/mcs-2010-mgmet.pdf>>.

Zinc Production

Horsehead Corp. (2011) 10-k Annual Report for the Fiscal Year Ended December, 31 2010. Available at: <<http://google.brand.edgar-online.com/default.aspx?sym=zinc>>. Submitted March 16, 2011.

Horsehead Corp. (2010a) 10-k Annual Report for the Fiscal Year Ended December, 31 2009. Available at: <<http://google.brand.edgar-online.com/default.aspx?sym=zinc>>. Submitted March 16, 2010.

Horsehead Corp. (2010b) *Horsehead Holding Corp. Provides Update on Operations at its Monaca, PA Plant*. July 28, 2010. Available at: <<http://www.horsehead.net/pressreleases.php?showall=no&news=&ID=65>>.

Horsehead Corp (2008) 10-k Annual Report for the Fiscal Year Ended December, 31 2007. Available at: <<http://google.brand.edgar-online.com/default.aspx?sym=zinc>>. Submitted March 31, 2008.

Horsehead Corp (2007) Registration Statement (General Form) S-1. Available at <<http://google.brand.edgar-online.com/default.aspx?sym=zinc>>. Submitted April 13, 2007.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

PIZO (2011) Available at <<http://pizotech.com/index.html>>. Accessed November 17, 2010.

Sjardin (2003) *CO₂ Emission Factors for Non-Energy Use in the Non-Ferrous Metal, Ferroalloys and Inorganics Industry*. Copernicus Institute. Utrecht, the Netherlands.

Steel Dust Recycling LLC (2010) Available at < <http://steeldust.com/home.htm>>. Accessed November 17, 2011.

USGS (2012) *2012 Mineral Commodity Summary: Zinc*. U.S. Geological Survey, Reston, VA.

USGS (1994 through 2011) *Minerals Yearbook: Zinc Annual Report*. U.S. Geological Survey, Reston, VA.

Viklund-White C. (2000) "The Use of LCA for the Environmental Evaluation of the Recycling of Galvanized Steel." ISIJ International. Volume 40 No. 3: 292-299.

Lead Production

Dutrizac, J.E., V. Ramachandran, and J.A. Gonzalez (2000) *Lead-Zinc 2000*. The Minerals, Metals, and Materials Society.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

Morris, D., F.R. Steward, and P. Evans (1983) *Energy Efficiency of a Lead Smelter*. Energy 8(5):337-349.

Sjardin, M. (2003) *CO₂ Emission Factors for Non-Energy Use in the Non-Ferrous Metal, Ferroalloys and Inorganics Industry*. Copernicus Institute. Utrecht, the Netherlands.

Ullman (1997) *Ullman's Encyclopedia of Industrial Chemistry: Fifth Edition*. Volume A5. John Wiley and Sons.

USGS (2012a) *2012 Mineral Commodity Summary, Lead*. U.S. Geological Survey, Reston, VA.

USGS (1995 through 2012b) *Minerals Yearbook: Lead Annual Report*. U.S. Geological Survey, Reston, VA.

HCFC-22 Production

ARAP (2010) Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy to Deborah Ottinger of the U.S. Environmental Protection Agency. September 10, 2010.

ARAP (2009) Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy to Deborah Ottinger of the U.S. Environmental Protection Agency. September 21, 2009.

ARAP (2008) Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy to Deborah Ottinger of the U.S. Environmental Protection Agency. October 17, 2008.

ARAP (2007) Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy to Deborah Ottinger of the U.S. Environmental Protection Agency. October 2, 2007.

ARAP (2006) Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy to Sally Rand of the U.S. Environmental Protection Agency. July 11, 2006.

ARAP (2005) Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy to Deborah Ottinger of the U.S. Environmental Protection Agency. August 9, 2005.

ARAP (2004) Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy to Deborah Ottinger of the U.S. Environmental Protection Agency. June 3, 2004.

ARAP (2003) Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy to Sally Rand of the U.S. Environmental Protection Agency. August 18, 2003.

ARAP (2002) Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy to Deborah Ottinger of the U.S. Environmental Protection Agency. August 7, 2002.

ARAP (2001) Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy to Deborah Ottinger of the U.S. Environmental Protection Agency. August 6, 2001.

ARAP (2000) Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy to Sally Rand of the U.S. Environmental Protection Agency. August 13, 2000.

ARAP (1999) Facsimile from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy to Deborah Ottinger Schaefer of the U.S. Environmental Protection Agency. September 23, 1999.

ARAP (1997) Letter from Dave Stirpe, Director, Alliance for Responsible Atmospheric Policy to Elizabeth Dutrow of the U.S. Environmental Protection Agency. December 23, 1997.

ICF (2012) Subpart O submission analysis from EPA Greenhouse Gas Reporting Rule. March 30, 2012.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

RTI (1997) “Verification of Emission Estimates of HFC-23 from the Production of HCFC-22: Emissions from 1990 through 1996.” Report prepared by Research Triangle Institute for the Cadmus Group. November 25, 1997; revised February 16, 1998.

RTI (2008) “Verification of Emission Estimates of HFC-23 from the Production of HCFC-22: Emissions from 1990 through 2006.” Report prepared by RTI International for the Climate Change Division. March, 2008.

Substitution of Ozone Depleting Substances

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

Semiconductor Manufacture

Burton, C.S., and R. Beizaie (2001) “EPA’s PFC Emissions Model (PEVM) v. 2.14: Description and Documentation” prepared for Office of Global Programs, U. S. Environmental Protection Agency, Washington, DC. November 2001.

Citigroup Smith Barney (2005) *Global Supply/Demand Model for Semiconductors*. March 2005.

ITRS (2007, 2008) *International Technology Roadmap for Semiconductors: 2006 Update*. January 2007; *International Technology Roadmap for Semiconductors: 2007 Edition, January 2008*; Available online at <<http://www.itrs.net/Links/2007ITRS/Home2007.htm>>. Theses and earlier editions and updates are available at <<http://public.itrs.net>>. Information about the number of interconnect layers for years 1990–2010 is contained in Burton and Beizaie, 2001. PEVM is updated using new editions and updates of the ITRS, which are published annually.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas

Inventories Programme, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe, eds. Institute for Global Environmental Strategies (IGES). Hayama, Kanagawa, Japan.

Semiconductor Equipment and Materials Industry (2010) *World Fab Forecast, May 2011 Edition*.

Semiconductor Industry Association (SIA) (2009) STATS: SICAS Capacity and Utilization Rates Q1-Q4 2008, Q1-Q4 2009, Q1-Q4 2010. Available online at <http://www.sia-online.org/cs/papers_publications/statistics>.

U.S. EPA (2006) *Uses and Emissions of Liquid PFC Heat Transfer Fluids from the Electronics Sector*. U.S. Environmental Protection Agency, Washington, DC. EPA-430-R-06-901.

VLSI Research, Inc. (2010) *Worldwide Silicon Demand by Wafer Size, by Linewidth and by Device Type*, v. 9.09. August 2010.

Electrical Transmission and Distribution

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

Levin et al. (2010) “The Global SF₆ Source Inferred from Long-term High Precision Atmospheric Measurements and its Comparison with Emission Inventories.” *Atmospheric Chemistry and Physics*, 10: 2655–2662.

O’Connell, P., F. Heil, J. Henriot, G. Mauthe, H. Morrison, L. Neimeyer, M. Pittroff, R. Probst, J.P. Tailebois (2002) *SF₆ in the Electric Industry, Status 2000*, CIGRE. February 2002.

RAND (2004) “Trends in SF₆ Sales and End-Use Applications: 1961-2003,” Katie D. Smythe. *International Conference on SF₆ and the Environment: Emission Reduction Strategies*. RAND Environmental Science and Policy Center, Scottsdale, AZ. December 1-3, 2004.

UDI (2010) *2010 UDI Directory of Electric Power Producers and Distributors, 118th Edition*, Platts.

UDI (2007) *2007 UDI Directory of Electric Power Producers and Distributors, 115th Edition*, Platts.

UDI (2004) *2004 UDI Directory of Electric Power Producers and Distributors, 112th Edition*, Platts.

UDI (2001) *2001 UDI Directory of Electric Power Producers and Distributors, 109th Edition*, Platts.

Industrial Sources of Indirect Greenhouse Gases

EPA (2010) “2009 Average annual emissions, all criteria pollutants in MS Excel.” *National Emissions Inventory (NEI) Air Pollutant Emissions Trends Data*. Office of Air Quality Planning and Standards.

EPA (2009) “1970 - 2008 Average annual emissions, all criteria pollutants in MS Excel.” *National Emissions Inventory (NEI) Air Pollutant Emissions Trends Data*. Office of Air Quality Planning and Standards. Available online at <<http://www.epa.gov/ttn/chieftrends/index.html>>.

EPA (2003) E-mail correspondence containing preliminary ambient air pollutant data. Office of Air Pollution and the Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency. December 22, 2003.

EPA (1997) *Compilation of Air Pollutant Emission Factors, AP-42*. Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency. Research Triangle Park, NC. October 1997.

Solvent and Other Product Use

Nitrous Oxide from Product Uses

Airgas (2007) Airgas, INC. Form 10-K. Annual Report Pursuant to Section 13 or 15 (d) of the SEC Act of 1934. Fiscal year ended March, 31, 2007. Available online at <<http://www.sec.gov/Archives/edgar/data/804212/000089322007002057/w35445e10vk.htm#102>>.

CGA (2003) “CGA Nitrous Oxide Abuse Hotline: CGA/NWSA Nitrous Oxide Fact Sheet.” Compressed Gas Association. November 3, 2003.

CGA (2002) “CGA/NWSA Nitrous Oxide Fact Sheet.” Compressed Gas Association. March 25, 2002.

FTC (2001) Federal Trade Commission: *Analysis of Agreement Containing Consent Order*

To Aid Public Comment. FTC File No. 001-0040. October, 2001. Available online at <<http://www.ftc.gov/os/2001/10/airgasanalysis.htm>>.

Heydorn, B. (1997) "Nitrous Oxide—North America." *Chemical Economics Handbook*, SRI Consulting. May 1997.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

Tupman, M. (2003) Personal communication. Martin Tupman, Airgas Nitrous Oxide and Daniel Lieberman, ICF International. August 8, 2003.

Tupman, M. (2002) Personal communication. Martin Tupman of Airgas Nitrous Oxide and Laxmi Palreddy, ICF International. July 3, 2002.

Solvent Use

EPA (2010) "2009 Average annual emissions, all criteria pollutants in MS Excel." *National Emissions Inventory (NEI) Air Pollutant Emissions Trends Data*. Office of Air Quality Planning and Standards.

EPA (2009) "1970 - 2008 Average annual emissions, all criteria pollutants in MS Excel." *National Emissions Inventory (NEI) Air Pollutant Emissions Trends Data*. Office of Air Quality Planning and Standards. Available online at <<http://www.epa.gov/ttn/chieftrends/index.html>>.

EPA (2003) E-mail correspondence containing preliminary ambient air pollutant data. Office of Air Pollution and the Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency. December 22, 2003.

EPA (1997) *Compilation of Air Pollutant Emission Factors, AP-42*. Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency. Research Triangle Park, NC. October 1997.

Agriculture

Enteric Fermentation

Archibeque, S. (2011) Personal Communication. Shawn Archibeque, Colorado State University, Fort Collins, Colorado and staff at ICF International.

Crutzen, P.J., I. Aselmann, and W. Seiler (1986) Methane Production by Domestic Animals, Wild Ruminants, Other Herbivores, Fauna, and Humans. *Tellus*, 38B:271-284.

Donovan, K. (1999) Personal Communication. Kacey Donovan, University of California at Davis and staff at ICF International.

Doren, P.E., J. F. Baker, C. R. Long and T. C. Cartwright (1989) Estimating Parameters of Growth Curves of Bulls, *J Animal Science* 67:1432-1445.

Enns, M. (2008) Personal Communication. Dr. Mark Enns, Colorado State University and staff at ICF International.

FAO (2011) *FAOSTAT Statistical Database*. Food and Agriculture Organization of the United Nations. Available online at <<http://apps.fao.org>>.

Galyean and Gleghorn (2001) Summary of the 2000 Texas Tech University Consulting Nutritionist Survey. Texas Tech University. Available online at <http://www.depts.ttu.edu/afs/burnett_center/progress_reports/bc12.pdf>. June 2009.

Holstein Association (2010) *History of the Holstein Breed* (website). Available online at <http://www.holsteinusa.com/holstein_breed/breedhistory.html>. Accessed September 2010.

ICF (2006) *Cattle Enteric Fermentation Model: Model Documentation*. Prepared by ICF International for the Environmental Protection Agency. June 2006.

ICF (2003) *Uncertainty Analysis of 2001 Inventory Estimates of Methane Emissions from Livestock Enteric Fermentation in the U.S.* Memorandum from ICF International to the Environmental Protection Agency. May 2003.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T.

Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*. National Greenhouse Gas Inventories Programme, Intergovernmental Panel on Climate Change. Montreal. May 2000. IPCC-XVI/Doc. 10 (1.IV.2000).

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

Johnson, D. (2002) Personal Communication. Don Johnson, Colorado State University, Fort Collins, and ICF International.

Johnson, D. (1999) Personal Communication. Don Johnson, Colorado State University, Fort Collins, and David Conneely, ICF International.

Johnson, K. (2010) Personal Communication. Kris Johnson, Washington State University, Pullman, and ICF International.

Kebreab E., K. A. Johnson, S. L. Archibeque, D. Pape, and T. Wirth (2008) Model for estimating enteric methane emissions from United States dairy and feedlot cattle. *J. Anim. Sci.* 86: 2738-2748.

Lippke, H., T. D. Forbes, and W. C. Ellis. (2000) Effect of supplements on growth and forage intake by stocker steers grazing wheat pasture. *J. Anim. Sci.* 78:1625-1635

National Bison Association (2011) Handling & Carcass Info (on website). Available online at: <<http://www.bisoncentral.com/about-bison/handling-and-carcass-info>>. Accessed August 16, 2011.

National Bison Association (1999) Total Bison Population—1999. Report provided during personal email communication with Dave Carter, Executive Director, National Bison Association July 19, 2011.

NRC (1999) *1996 Beef NRC: Appendix Table 22*. National Research Council.

NRC (1984) *Nutrient requirements for beef cattle (6th Ed.)*. National Academy Press, Washington, DC.

Pinchak, W.E., D. R. Tolleson, M. McCloy, L. J. Hunt, R. J. Gill, R. J. Ansley, and S. J. Bevers (2004) Morbidity effects on productivity and profitability of stocker cattle grazing in the southern plains. *J. Anim. Sci.* 82:2773-2779.

Platter, W. J., J. D. Tatum, K. E. Belk, J. A. Scanga, and G. C. Smith (2003) Effects of repetitive use of hormonal implants on beef carcass quality, tenderness, and consumer ratings of beef palatability. *J. Anim. Sci.* 81:984-996.

Skogerboe, T. L., L. Thompson, J. M. Cunningham, A. C. Brake, V. K. Karle (2000) The effectiveness of a single dose of doramectin pour-on in the control of gastrointestinal nematodes in yearling stocker cattle. *Vet. Parasitology* 87:173-181.

USDA (2011) *Quick Stats: Agricultural Statistics Database*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. Available online at <<http://quickstats.nass.usda.gov/>>. Accessed June 28, 2011.

USDA (2010) Beef 2007–08, Part V: *Reference of Beef Cow-calf Management Practices in the United States, 2007–08*. USDA–APHIS–VS, CEAH. Fort Collins, CO #532.0410.

USDA (1997) *Census of Agriculture: 1997 Census Report*. United States Department of Agriculture. Available online at: <<http://www.agcensus.usda.gov/Publications/1997/index.asp>>. Accessed July 18, 2011.

USDA (1996) *Beef Cow/Calf Health and Productivity Audit (CHAPA): Forage Analyses from Cow/Calf Herds in 18 States*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. Available online at <<http://www.aphis.usda.gov/vs/ceah/cahm>>. March 1996.

USDA (1992) *Census of Agriculture: 1992 Census Report*. United States Department of Agriculture. Available online at: <<http://www.agcensus.usda.gov/Publications/1992/index.asp>>. Accessed July 18, 2011.

USDA:APHIS:VS (2002) *Reference of 2002 Dairy Management Practices*. National Animal Health Monitoring System. Fort Collins, CO. Available online at <<http://www.aphis.usda.gov/vs/ceah/cahm>>.

USDA:APHIS:VS (1998) *Beef '97*. National Animal Health Monitoring System. Fort Collins, CO. Available online

at <<http://www.aphis.usda.gov/vs/ceah/cahm>>.

USDA:APHIS:VS (1996) *Reference of 1996 Dairy Management Practices*. National Animal Health Monitoring System. Fort Collins, CO. Available online at <<http://www.aphis.usda.gov/vs/ceah/cahm>>.

USDA:APHIS:VS (1994) *Beef Cow/Calf Health and Productivity Audit*. National Animal Health Monitoring System. Fort Collins, CO. Available online at <<http://www.aphis.usda.gov/vs/ceah/cahm>>.

USDA:APHIS:VS (1993) *Beef Cow/Calf Health and Productivity Audit*. National Animal Health Monitoring System. Fort Collins, CO. August 1993. Available online at <<http://www.aphis.usda.gov/vs/ceah/cahm>>.

Vasconcelos and Galylean (2007) Nutritional recommendations of feedlot consulting nutritionists: The 2007 Texas Tech University Study. *J. Anim. Sci.* 85:2772-2781.

Manure Management

Anderson, S. (2000) Personal Communication. Steve Anderson, Agricultural Statistician, National Agriculture Statistics Service, U.S. Department of Agriculture and Lee-Ann Tracy, ERG. Washington, DC. May 31, 2000.

ASAE (1998) *ASAE Standards 1998, 45th Edition*. American Society of Agricultural Engineers. St. Joseph, MI.

Bryant, M.P., V.H. Varel, R.A. Frobish, and H.R. Isaacson (1976) In H.G. Schlegel (ed.); *Seminar on Microbial Energy Conversion*. E. Goltz KG. Göttingen, Germany.

Deal, P. (2000) Personal Communication. Peter B. Deal, Rangeland Management Specialist, Florida Natural Resource Conservation Service and Lee-Ann Tracy, ERG. June 21, 2000.

EPA (2011) AgSTAR Anaerobic Digester Database. Available online at: <<http://www.epa.gov/agstar/projects/index.html#database>>.

EPA (2008) *Climate Leaders Greenhouse Gas Inventory Protocol Offset Project Methodology for Project Type Managing Manure with Biogas Recovery Systems*. Available online at <http://www.epa.gov/climateleaders/documents/resources/ClimateLeaders_DraftManureOffsetProtocol.pdf>.

EPA (2006) *AgSTAR Digest*. Office of Air and Radiation, U.S. Environmental Protection Agency. Washington, DC. Winter 2006. Available online at <<http://www.epa.gov/agstar/pdf/2006digest.pdf>>. Retrieved July 2006.

EPA (2005) *National Emission Inventory—Ammonia Emissions from Animal Agricultural Operations, Revised Draft Report*. U.S. Environmental Protection Agency. Washington, DC. April 22, 2005. Available online at <ftp://ftp.epa.gov/EmisInventory/2002finalnei/documentation/nonpoint/nh3inventory_draft_042205.pdf>. Retrieved August 2007.

EPA (2003) *AgSTAR Digest*. Office of Air and Radiation, U.S. Environmental Protection Agency. Washington, DC. Winter 2003. Available online at <<http://www.epa.gov/agstar/pdf/2003digest.pdf>>. Retrieved July 2006.

EPA (2002a) *Development Document for the Final Revisions to the National Pollutant Discharge Elimination System (NPDES) Regulation and the Effluent Guidelines for Concentrated Animal Feeding Operations (CAFOS)*. U.S. Environmental Protection Agency. EPA-821-R-03-001. December 2002.

EPA (2002b) *Cost Methodology for the Final Revisions to the National Pollutant Discharge Elimination System Regulation and the Effluent Guidelines for Concentrated Animal Feeding Operations*. U.S. Environmental Protection Agency. EPA-821-R-03-004. December 2002.

EPA (2000) *AgSTAR Digest*. Office of Air and Radiation, U.S. Environmental Protection Agency. Washington, DC. Spring 2000. Available online at: <http://www.epa.gov/agstar/news-events/digest/2000digest.pdf>.

EPA (1992) *Global Methane Emissions from Livestock and Poultry Manure*, Office of Air and Radiation, U.S. Environmental Protection Agency. February 1992.

ERG (2010a) “Typical Animal Mass Values for Inventory Swine Categories.” Memorandum to EPA from ERG. July 19, 2010.

ERG (2010b) Telecon with William Boyd of USDA NRCS and Cortney Itle of ERG Concerning Updated VS and Nex Rates. August 8, 2010.

ERG (2010c) “Updating Current Inventory Manure Characteristics new USDA Agricultural Waste Management

Field Handbook Values.” Memorandum to EPA from ERG. August 13, 2010.

ERG (2008) “Methodology for Improving Methane Emissions Estimates and Emission Reductions from Anaerobic Digestion System for the 1990-2007 Greenhouse Gas Inventory for Manure Management.” Memorandum to EPA from ERG. August 18, 2008.

ERG (2003) “Methodology for Estimating Uncertainty for Manure Management Greenhouse Gas Inventory.” Contract No. GS-10F-0036, Task Order 005. Memorandum to EPA from ERG, Lexington, MA. September 26, 2003.

ERG (2001) *Summary of development of MDP Factor for methane conversion factor calculations*. ERG, Lexington, MA. September 2001.

ERG (2000a) *Calculations: Percent Distribution of Manure for Waste Management Systems*. ERG, Lexington, MA. August 2000.

ERG (2000b) *Discussion of Methodology for Estimating Animal Waste Characteristics* (Summary of B₀ Literature Review). ERG, Lexington, MA. June 2000.

FAO (2011) *Yearly U.S. total horse population data from the Food and Agriculture Organization of the United Nations database*. Available online at <<http://faostat.fao.org>>. August 2011.

Garrett, W.N. and D.E. Johnson (1983) “Nutritional energetics of ruminants.” *Journal of Animal Science*, 57(suppl.2):478-497.

Groffman, P.M., R. Brumme, K. Butterbach-Bahl, K.E. Dobbie, A.R. Mosier, D. Ojima, H. Papen, W.J. Parton, K.A. Smith, and C. Wagner-Riddle (2000) “Evaluating annual nitrous oxide fluxes at the ecosystem scale.” *Global Biogeochemical Cycles*, 14(4):1061-1070.

Hashimoto, A.G. (1984) “Methane from Swine Manure: Effect of Temperature and Influent Substrate Composition on Kinetic Parameter (k).” *Agricultural Wastes*, 9:299-308.

Hashimoto, A.G., V.H. Varel, and Y.R. Chen (1981) “Ultimate Methane Yield from Beef Cattle Manure; Effect of Temperature, Ration Constituents, Antibiotics and Manure Age.” *Agricultural Wastes*, 3:241-256.

Hill, D.T. (1984) “Methane Productivity of the Major Animal Types.” *Transactions of the ASAE*, 27(2):530-540.

Hill, D.T. (1982) “Design of Digestion Systems for Maximum Methane Production.” *Transactions of the ASAE*, 25(1):226-230.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Nara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

Johnson, D. (2000) Personal Communication. Dan Johnson, State Water Management Engineer, California Natural Resource Conservation Service and Lee-Ann Tracy, ERG. June 23, 2000.

Lange, J. (2000) Personal Communication. John Lange, Agricultural Statistician, U.S. Department of Agriculture, National Agriculture Statistics Service and Lee-Ann Tracy, ERG. Washington, DC. May 8, 2000.

Miller, P. (2000) Personal Communication. Paul Miller, Iowa Natural Resource Conservation Service and Lee-Ann Tracy, ERG. June 12, 2000.

Milton, B. (2000) Personal Communication. Bob Milton, Chief of Livestock Branch, U.S. Department of Agriculture, National Agriculture Statistics Service and Lee-Ann Tracy, ERG. May 1, 2000.

Moffroid, K and D. Pape. (2011) *1990-2009 Volatile Solids and Nitrogen Excretion Rates*. Dataset to EPA from ICF International. June 2011.

Morris, G.R. (1976) *Anaerobic Fermentation of Animal Wastes: A Kinetic and Empirical Design Fermentation*. M.S. Thesis. Cornell University.

NOAA (2011) *National Climate Data Center (NCDC)*. Available online at <<ftp://ftp.ncdc.noaa.gov/pub/data/cirs/>> (for all states except Alaska and Hawaii) and <<ftp://ftp.ncdc.noaa.gov/pub/data/gpod/2008/>>. (for Alaska and Hawaii). June 2011.

- Pederson, L., D. Pape and K. Moffroid (2007) *1990-2006 Volatile Solids and Nitrogen Excretion Rates*, EPA Contract GS-10F-0124J, Task Order 056-01. Memorandum to EPA from ICF International. August 2007.
- Safley, L.M., Jr. and P.W. Westerman (1990) "Psychrophilic anaerobic digestion of animal manure: proposed design methodology." *Biological Wastes*, 34:133-148.
- Safley, L.M., Jr. (2000) Personal Communication. Deb Bartram, ERG and L.M. Safley, President, Agri-Waste Technology. June and October 2000.
- Stettler, D. (2000) Personal Communication. Don Stettler, Environmental Engineer, National Climate Center, Oregon Natural Resource Conservation Service and Lee-Ann Tracy, ERG. June 27, 2000.
- Sweeten, J. (2000) Personal Communication. John Sweeten, Texas A&M University and Indra Mitra, ERG. June 2000.
- UEP (1999) *Voluntary Survey Results—Estimated Percentage Participation/Activity*, Caged Layer Environmental Management Practices, Industry data submissions for EPA profile development, United Egg Producers and National Chicken Council. Received from John Thorne, Capitolink. June 2000.
- USDA (2011a) *Quick Stats 1.0*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. Available online at <http://www.nass.usda.gov/Data_and_Statistics/Quick_Stats/index.asp>.
- USDA (2011b) *Chicken and Eggs 2010 Summary*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. February 2011. Available online at <<http://www.nass.usda.gov/Publications/index.asp>> .
- USDA (2011c) *Poultry - Production and Value 2010 Summary*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. April 2011. Available online at <http://usda.mannlib.cornell.edu/usda/nass/PoulProdVa//2010s/2011/PoulProdVa-04-28-2011_new_format.pdf> .
- USDA (2009a) *1992, 1997, 2002, and 2007 Census of Agriculture*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. Available online at <<http://www.nass.usda.gov/census/>>. December 2009.
- USDA (2009b) *Chicken and Eggs 2008 Summary*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. February 2009. Available online at <<http://www.nass.usda.gov/Publications/index.asp>> .
- USDA (2009c) *Poultry - Production and Value 2008 Summary*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. April 2009. Available online at <<http://www.nass.usda.gov/Publications/index.asp>> .
- USDA (2009d) *Chicken and Eggs – Final Estimates 2003-2007*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. March 2009. Available online at <<http://usda.mannlib.cornell.edu/usda/nass/SB980/sb1024.pdf>> .
- USDA (2009e) *Poultry Production and Value—Final Estimates 2003-2007*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. May 2009. Available online at <<http://usda.mannlib.cornell.edu/usda/nass/SB994/sb1028.pdf>>.
- USDA (2008) *Agricultural Waste Management Field Handbook, National Engineering Handbook (NEH)*, Part 651. Natural Resources Conservation Service, U.S. Department of Agriculture.
- USDA (2004a) *Chicken and Eggs—Final Estimates 1998-2003*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. April 2004. Available online at <<http://usda.mannlib.cornell.edu/reports/general/sb/>>.
- USDA (2004b) *Poultry Production and Value—Final Estimates 1998-2002*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. April 2004. Available online at <<http://usda.mannlib.cornell.edu/reports/general/sb/>>.
- USDA (2003) *APHIS Sheep 2001, Parts I and IV*. Available online at <<http://www.aphis.usda.gov/vs/ceah/ncahs/nahms/sheep/>>.

USDA (2000a) *National Animal Health Monitoring Systems (NAHMS) Dairy '96 Study*. Stephen L. Ott, Animal and Plant Health Inspection Service, U.S. Department of Agriculture. June 19, 2000.

USDA (2000b) *Layers '99—Part II: References of 1999 Table Egg Layer Management in the U.S.* Animal and Plant Health Inspection Service (APHIS), National Animal Health Monitoring System (NAHMS), U.S. Department of Agriculture. January 2000.

USDA (1999) *Poultry Production and Value—Final Estimates 1994-97*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. March 1999. Available online at <<http://usda.mannlib.cornell.edu/reports/general/sb/>>.

USDA (1998a) *Chicken and Eggs—Final Estimates 1994-97*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. December 1998. Available online at <<http://usda.mannlib.cornell.edu/reports/general/sb/>>.

USDA (1998b) *National Animal Health Monitoring System's (NAHMS) Swine '95 Study*. Eric Bush, Centers for Epidemiology and Animal Health, U.S. Department of Agriculture.

USDA (1996a) *Agricultural Waste Management Field Handbook, National Engineering Handbook (NEH)*, Part 651. Natural Resources Conservation Service, U.S. Department of Agriculture. July 1996.

USDA (1996b) *Swine '95: Grower/Finisher Part II: Reference of 1995 U.S. Grower/Finisher Health & Management Practices*. Animal Plant Health and Inspection Service, U.S. Department of Agriculture. Washington, DC. June 1996.

USDA (1995a) *Poultry Production and Value—Final Estimates 1988-1993*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. March 1995. Available online at <<http://usda.mannlib.cornell.edu/reports/general/sb/>>.

USDA (1995b) *Chicken and Eggs—Final Estimates 1988-1993*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. December 1995. Available online at <<http://usda.mannlib.cornell.edu/reports/general/sb/>>.

Rice Cultivation

Anderson, M. (2008 through 2011) Email correspondence. Monte Anderson, Oklahoma Farm Service Agency and ICF International.

Beighley, D. (2011) Email correspondence. Donn Beighley, Southeast Missouri State University, Department of Agriculture and ICF International.

Bollich, P. (2000) Personal Communication. Pat Bollich, Professor with Louisiana State University Agriculture Center and Payton Deeks, ICF International.

Bossio, D.A., W. Horwath, R.G. Mutters, and C. van Kessel (1999) "Methane pool and flux dynamics in a rice field following straw incorporation." *Soil Biology and Biochemistry*, 31:1313-1322.

Buehring, N. (2009 through 2011) Email correspondence. Nathan Buehring, Assistant Professor and Extension Rice Specialist, Mississippi State University Delta Branch Exp. Station and ICF International.

Cantens, G. (2004 through 2005) Personal Communication. Janet Lewis, Assistant to Gaston Cantens, Vice President of Corporate Relations, Florida Crystals Company and ICF International.

Cicerone R.J., C.C. Delwiche, S.C. Tyler, and P.R. Zimmerman (1992) "Methane Emissions from California Rice Paddies with Varied Treatments." *Global Biogeochemical Cycles*, 6:233-248.

Deren, C. (2002) Personal Communication and Dr. Chris Deren, Everglades Research and Education Centre at the University of Florida and Caren Mintz, ICF International. August 15, 2002.

Fife, L. (2011) Email correspondence. Les Fife, Sacramento Valley AgBurn Coordinator and ICF International.

Gonzalez, R. (2007 through 2011) Email correspondence. Rene Gonzalez, Plant Manager, Sem-Chi Rice Company and ICF International.

- Guethle, D. (1999 through 2010) Personal Communication. David Guethle, Agronomy Specialist, Missouri Cooperative Extension Service and ICF International.
- Holzappel-Pschorn, A., R. Conrad, and W. Seiler (1985) "Production, Oxidation, and Emissions of Methane in Rice Paddies." *FEMS Microbiology Ecology*, 31:343-351.
- IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.
- IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*. National Greenhouse Gas Inventories Programme, Intergovernmental Panel on Climate Change, Montreal. May 2000. IPCC-XVI/Doc. 10 (1.IV.2000).
- IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency, Paris, France.
- Kirstein, A. (2003 through 2004, 2006) Personal Communication. Arthur Kirstein, Coordinator, Agricultural Economic Development Program, Palm Beach County Cooperative Extension Service, FL and ICF International.
- Klosterboer, A. (1997, 1999 through 2003) Personal Communication. Arlen Klosterboer, retired Extension Agronomist, Texas A&M University and ICF International. July 7, 2003.
- Lancero, J. (2006 through 2010) Email correspondence. Jeff Lancero, California Air Resources Board and ICF International.
- Lee, D. (2003 through 2007) Email correspondence. Danny Lee, OK Farm Service Agency and ICF International.
- Lindau, C.W. and P.K. Bollich (1993) "Methane Emissions from Louisiana First and Ratoon Crop Rice." *Soil Science*, 156:42-48.
- Lindau, C.W., P.K. Bollich, and R.D. DeLaune (1995) "Effect of Rice Variety on Methane Emission from Louisiana Rice." *Agriculture, Ecosystems and Environment*, 54:109-114.
- Linscombe, S. (1999, 2001 through 2011) Email correspondence. Steve Linscombe, Professor with the Rice Research Station at Louisiana State University Agriculture Center and ICF International.
- Mayhew, W. (1997) Personal Communication. Walter Mayhew, University of Arkansas, Little Rock and Holly Simpkins, ICF Incorporated. November 24, 1997.
- Mutters, C. (2001 through 2005) Personal Communication. Mr. Cass Mutters, Rice Farm Advisor for Butte, Glen, and Tehama Counties University of California, Cooperative Extension Service and ICF International.
- Sacramento Valley Basinwide Air Pollution Control Council (2005, 2007) *Report on the Conditional Rice Straw Burning Permit Program*. Available online at <<http://www.bcaqmd.org/default.asp?docpage=html/bcc.htm>>.
- Saichuk, J. (1997) Personal Communication. John Saichuk, Louisiana State University and Holly Simpkins, ICF Incorporated. November 24, 1997.
- Sass, R.L., F.M. Fisher, P.A. Harcombe, and F.T. Turner (1991a) "Mitigation of Methane Emissions from Rice Fields: Possible Adverse Effects of Incorporated Rice Straw." *Global Biogeochemical Cycles*, 5:275-287.
- Sass, R.L., F.M. Fisher, F.T. Turner, and M.F. Jund (1991b) "Methane Emissions from Rice Fields as Influenced by Solar Radiation, Temperature, and Straw Incorporation." *Global Biogeochemical Cycles*, 5:335-350.
- Sass, R.L., F.M. Fisher, P.A. Harcombe, and F.T. Turner (1990) "Methane Production and Emissions in a Texas Rice Field." *Global Biogeochemical Cycles*, 4:47-68.
- Schueneman, T. (1997, 1999 through 2001) Personal Communication. Tom Schueneman, Agricultural Extension Agent, Palm Beach County, FL and ICF International.
- Slaton, N. (1999 through 2001) Personal Communication. Nathan Slaton, Extension Agronomist—Rice, University of Arkansas Division of Agriculture Cooperative Extension Service and ICF International.
- Stansel, J. (2004 through 2005) Email correspondence. Dr. Jim Stansel, Resident Director and Professor Emeritus,

Texas A&M University Agricultural Research and Extension Center and ICF International.

Stevens, G. (1997) Personal Communication. Gene Stevens, Extension Specialist, Missouri Commercial Agriculture Program, Delta Research Center and Holly Simpkins, ICF Incorporated. December 17, 1997.

Street, J. (1997, 1999 through 2003) Personal Communication. Joe Street, Rice Specialist, Mississippi State University, Delta Research Center and ICF International.

Texas Agricultural Experiment Station (2007 through 2011) *Texas Rice Acreage by Variety*. Agricultural Research and Extension Center, Texas Agricultural Experiment Station, Texas A&M University System. Available online at <<http://beaumont.tamu.edu/CropSurvey/CropSurveyReport.aspx>>.

Texas Agricultural Experiment Station (2006) *2005 - Texas Rice Crop Statistics Report*. Agricultural Research and Extension Center, Texas Agricultural Experiment Station, Texas A&M University System, p. 8. Available online at <http://beaumont.tamu.edu/eLibrary/TRRFReport_default.htm>.

USDA (2005 through 2011) *Crop Production Summary*. National Agricultural Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture, Washington, DC. Available online at <<http://usda.mannlib.cornell.edu>>.

USDA (2003) *Field Crops, Final Estimates 1997-2002*. Statistical Bulletin No. 982. National Agricultural Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture, Washington, DC. Available online at <<http://usda.mannlib.cornell.edu/usda/reports/general/sb/>>. September 2005.

USDA (1998) *Field Crops Final Estimates 1992-1997*. Statistical Bulletin Number 947 a. National Agricultural Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture, Washington, DC. Available online at <<http://usda.mannlib.cornell.edu/>>. July 2001.

USDA (1994) *Field Crops Final Estimates 1987-1992*. Statistical Bulletin Number 896. National Agricultural Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture, Washington, DC. Available online at <<http://usda.mannlib.cornell.edu/>>. July 2001.

Walker, T. (2005, 2007 through 2008) Email correspondence. Tim Walker, Assistant Research Professor, Mississippi State University Delta Branch Exp. Station and ICF International.

Wilson, C. (2002 through 2007, 2009 through 2011) Personal Communication. Dr. Chuck Wilson, Rice Specialist at the University of Arkansas Cooperative Extension Service and ICF International.

Agricultural Soil Management

AAPFCO (1995 through 2000b, 2002 through 2009) *Commercial Fertilizers*. Association of American Plant Food Control Officials. University of Kentucky, Lexington, KY.

AAPFCO (2000a) 1999-2000 Commercial Fertilizers Data, ASCII files. Available from David Terry, Secretary, Association of American Plant Food Control Officials.

Alexander, R.B. and R.A. Smith (1990) *County-Level Estimates of Nitrogen and Phosphorous Fertilizer Use in the United States, 1945-1985*. U.S. Geological Survey Open File Report 90-130.

Anonymous (1924) Fertilizer Used on Cotton, 1923-1924. "Miscellaneous Agricultural Statistics," Table 753. *1924 Yearbook of the Department of Agriculture*, 1171.

Bastian, R. (2007) Personal Communication. Robert Bastian, Office of Water, U.S. Environmental Protection Agency, Washington, DC and Victoria Thompson, ICF International. July 20, 2007.

Battaglin, W.A., and D.A. Goolsby (1994) *Spatial Data in Geographic Information System Format on Agricultural Chemical Use, Land Use, and Cropping Practices in the United States*. U.S. Geological Survey Water-Resources Investigations Report 94-4176.

Bogue A.G. (1963) *From Prairie to Corn Belt: Farming on the Illinois and Iowa prairies in the Nineteenth Century*. The University of Chicago Press. Chicago, IL.

Bonnen C.A., and F.F. Elliott (1931) *Type of Farming Areas in Texas*. Bulletin Number 427, Texas Agricultural Experiment Station, Agricultural and Mechanical College of Texas.

- Brenner, J., K. Paustian, G. Bluhm, J. Cipra, M. Easter, R. Foulk, K. Killian, R. Moore, J. Schuler, P. Smith, and S. Williams (2002) *Quantifying the Change in Greenhouse Gas Emissions Due to Natural Resource Conservation Practice Application in Nebraska*. Colorado State University Natural Resource Ecology Laboratory and Natural Resources Conservation Service, U.S. Department of Agriculture. Fort Collins, CO.
- Brenner, J., K. Paustian., G. Bluhm, J. Cipra, M. Easter, E.T. Elliott, T. Koutza, K. Killian, J. Schuler, S. Williams (2001) *Quantifying the Change in Greenhouse Gas Emissions Due to Natural Resource Conservation Practice Application in Iowa*. Final report to the Iowa Conservation Partnership. Colorado State University Natural Resource Ecology Laboratory and U.S. Department of Agriculture Natural Resources Conservation Service. Fort Collins, CO.
- Chilcott E.C. (1910) *A Study of Cultivation Methods and Crop Rotations for the Great Plains Area*. Bureau of Plant Industry Bulletin Number 187, U.S. Department of Agriculture. Government Printing Office. Washington, DC.
- Cibrowski, P. (1996) Personal Communication. Peter Cibrowski, Minnesota Pollution Control Agency and Heike Mainhardt, ICF Incorporated. July 29, 1996.
- Cochran, W.G. (1977) *Sampling Techniques, Third Edition*. Wiley Publishing, New York.
- CTIC (1998) *1998 Crop Residue Management Executive Summary*. Conservation Technology Information Center. Available online at <<http://www.ctic.purdue.edu/Core4/CT/CT.html>>.
- Daly, C., G.H. Taylor, W.P. Gibson, T. Parzybok, G.L. Johnson, and P.A. Pasteris (1998) "Development of high-quality spatial datasets for the United States." *Proc., 1st International Conference on Geospatial Information in Agriculture and Forestry*, Lake Buena Vista, FL, I-512-I-519. June 1-3, 1998.
- Daly, C., R.P. Neilson, and D.L. Phillips (1994) "A statistical-topographic model for mapping climatological precipitation over mountainous terrain." *Journal of Applied Meteorology*, 33:140-158.
- David, M.B., S.J. Del Grosso, X. Hu, G.F. McIsaac, W.J. Parton, E.P. Marshall, C. Tonitto, and M.A. Youssef (2009) "Modeling denitrification in a tile-drained, corn and soybean agroecosystem of Illinois, USA." *Biogeochemistry* 93:7-30.
- DAYMET (No date) *Daily Surface Weather and Climatological Summaries*. Numerical Terradynamic Simulation Group (NTSG), University of Montana. Available online at <<http://www.daymet.org>>.
- Delgado, J.A., S.J. Del Grosso, and S.M. Ogle (2009) "15N isotopic crop residue cycling studies and modeling suggest that IPCC methodologies to assess residue contributions to N₂O-N emissions should be reevaluated." *Nutrient Cycling in Agroecosystems*, DOI 10.1007/s10705-009-9300-9.
- Del Grosso, S.J., S.M. Ogle, W.J. Parton, and F.J. Breidt (2010) "Estimating Uncertainty in N₂O Emissions from US Cropland Soils." *Global Biogeochemical Cycles*, 24, GB1009, doi:10.1029/2009GB003544.
- Del Grosso, S.J., T. Wirth, S.M. Ogle, W.J. Parton (2008) Estimating agricultural nitrous oxide emissions. *EOS* 89, 529-530.
- Del Grosso, S.J., A.R. Mosier, W.J. Parton, and D.S. Ojima (2005) "DAYCENT Model Analysis of Past and Contemporary Soil N₂O and Net Greenhouse Gas Flux for Major Crops in the USA." *Soil Tillage and Research*, 83: 9-24. doi: 10.1016/j.still.2005.02.007.
- Del Grosso, S.J., W.J. Parton, A.R. Mosier, M.D. Hartman, J. Brenner, D.S. Ojima, and D.S. Schimel (2001) "Simulated Interaction of Carbon Dynamics and Nitrogen Trace Gas Fluxes Using the DAYCENT Model." In Schaffer, M., L. Ma, S. Hansen, (eds.); *Modeling Carbon and Nitrogen Dynamics for Soil Management*. CRC Press. Boca Raton, Florida. 303-332.
- Del Grosso, S.J., W.J. Parton, A.R. Mosier, D.S. Ojima, A.E. Kulmala and S. Phongpan (2000) General model for N₂O and N₂ gas emissions from soils due to denitrification. *Global Biogeochem. Cycles*, 14:1045-1060.
- Edmonds, L., N. Gollehon, R.L. Kellogg, B. Kintzer, L. Knight, C. Lander, J. Lemunyon, D. Meyer, D.C. Moffitt, and J. Schaeffer (2003) "Costs Associated with Development and Implementation of Comprehensive Nutrient Management Plans." Part 1. *Nutrient Management, Land Treatment, Manure and Wastewater Handling and Storage, and Recordkeeping*. Natural Resource Conservation Service, U.S. Department of Agriculture.
- Elliott, F.F. (1933) *Types of Farming in the United States*. U.S. Department of Commerce. Government Printing

Office. Washington, DC.

Elliott, F.F. and J.W. Tapp (1928) *Types of Farming in North Dakota*. U.S. Department of Agriculture Technical Bulletin Number 102.

Ellsworth, J.O. (1929) *Types of Farming in Oklahoma*. Agricultural Experiment Station Bulletin Number 181. Oklahoma Agricultural and Mechanical College.

Engle, R.H. and B.R. Makela (1947) "Where is All the Fertilizer Going?" The National Fertilizer Association. *The Fertilizer Review*, Vol. XXII, 6:7-10.

EPA (2003) *Clean Watersheds Needs Survey 2000—Report to Congress*, U.S. Environmental Protection Agency. Washington, DC. Available online at <<http://www.epa.gov/owm/mtb/cwns/2000rtc/toc.htm>>.

EPA (1999) *Biosolids Generation, Use and Disposal in the United States*. Office of Solid Waste, U.S. Environmental Protection Agency. Available online at <<http://biosolids.policy.net/relatives/18941.PDF>>.

EPA (1993) Federal Register. Part II. Standards for the Use and Disposal of Sewage Sludge; Final Rules. U.S. Environmental Protection Agency, 40 CFR Parts 257, 403, and 503.

ERS (2003) *Ag Chemical and Production Technology*. Economic Research Service, U.S. Department of Agriculture.

ERS (2002) Economic Research Service, U.S. Department of Agriculture. Available online at <<http://www.ers.usda.gov/>>.

ERS (1997) *Cropping Practices Survey Data—1995*. Economic Research Service, U.S. Department of Agriculture. Available online at <<http://www.ers.usda.gov/data/archive/93018/>>.

ERS (1994) *Fertilizer Use and Price Statistics*. Stock #86012. Economic Research Service, U.S. Department of Agriculture.

ERS (1988) *Agricultural Resources—Inputs Situation and Outlook Report*. AR-9. Economic Research Service, U.S. Department of Agriculture.

Eve, M. (2001) E-mail correspondence. Marlen Eve, Natural Resources Ecology Laboratory, Colorado State University and Barbara Braatz and Caren Mintz, ICF International. Statistics on U.S. organic soil areas cultivated in 1982, 1992, and 1997, which were extracted from the 1997 *National Resources Inventory*. September 21, 2001.

Frap, G.S. and S.E. Asbury (1931) *Commercial Fertilizers in 1930-1931 and Their Uses*. Agricultural Experiment Station Bulletin Number 434. Agricultural and Mechanical College of Texas.

Hardies, E.W. and A.N. Hume (1927) *Wheat in South Dakota*. Agronomy Department Bulletin Number 222. Agricultural Experiment Station, South Dakota State College of Agriculture and Mechanical Arts. Brookings, SD.

Garey, L.F. (1929) *Types of Farming in Minnesota*. Agricultural Experiment Station Bulletin Number 257. University of Minnesota. St. Paul, MN.

Grant, W.R. and R.D. Krenz (1985) *U. S. grain sorghum production practices and costs*. Staff Report No. AGES 851024. National Economics Division, Economics Research Service, U.S. Department of Agriculture.

Hargreaves, M.W.M. (1993) *Dry Farming in the Northern Great Plains: Years of Readjustment, 1920-1990*. University Press of Kansas. Lawrence, KS.

Hodges, J.A., F.F. Elliott, and W.E. Grimes (1930) *Types of Farming in Kansas*. Agricultural Experiment Station Bulletin Number 251. Kansas State Agricultural College. Manhattan, KS.

Holmes C.L. (1929) *Types of Farming in Iowa*. Agricultural Experiment Station Bulletin Number 259. Iowa State College of Agriculture and Mechanic Arts. Ames, IA.

Holmes G.K. (1902) "Practices in Crop Rotation." *Yearbook of the Department of Agriculture*, 519-532.

Hurd E.B. (1929) *The Corn Enterprise in Iowa*. Agricultural Experiment Station Bulletin Number 268. Iowa State College of Agriculture and Mechanic Arts. Ames, IA.

Hurd E.B. (1930) *Cropping Systems in Iowa Past and Present*. Agricultural Experiment Station Bulletin Number

268. Iowa State College of Agriculture and Mechanic Arts. Ames, IA.
- Hurt, R.D. (1994) *American Agriculture: A Brief History*. Iowa State University Press. Ames, IA.
- Ibach, D.B. and J.R. Adams (1967) *Fertilizer Use in the United States by Crops and Areas, 1964 Estimates*. Statistical Bulletin Number 408, U.S. Department of Agriculture.
- Ibach, D.B., J.R. Adams, and E.I. Fox (1964) *Commercial Fertilizer used on Crops and Pasture in the United States, 1959 Estimates*. U.S. Department of Agriculture Statistical Bulletin Number 348.
- ILENR (1993) *Illinois Inventory of Greenhouse Gas Emissions and Sinks: 1990*. Office of Research and Planning, Illinois Department of Energy and Natural Resources. Springfield, IL.
- Iowa State College Staff Members (1946) *A Century of Farming in Iowa 1846-1946*. The Iowa State College Press. Ames, IA.
- IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.
- Jaynes, D.B., T.S. Colvin, D.L. Karlen, C.A. Cambardella, and D.W. Meek (2001) "Nitrate loss in subsurface draining as affected by nitrogen fertilizer rate." *J. Environ. Qual.* 30, 1305-1314.
- Kellogg R.L., C.H. Lander, D.C. Moffitt, and N. Gollehon (2000) *Manure Nutrients Relative to Capacity of Cropland and Pastureland to Assimilate Nutrients: Spatial and Temporal Trends for the United States*. U.S. Department of Agriculture Publication Number nps00-0579.
- Kezer A. (ca. 1917) *Dry Farming in Colorado*. Colorado State Board of Immigration, Denver, CO.
- Kuchler, A.W. (1964) "The Potential Natural Vegetation of the Conterminous United States." *Amer. Geographical Soc. NY*, Special Publication No. 36.
- Langston C.W., L.M. Davis, C.A. Juve, O.C. Stine, A.E. Wight, A.J. Pistor, and C.F. Langworthy (1922) "The Dairy Industry." *Yearbook of the Department of Agriculture*.
- Latta, W.C. (1938) *Outline History of Indiana Agriculture*. Alpha Lambda Chapter of Epsilon Sigma Phi, Purdue University, West Lafayette, IN.
- McCarl, B.A., C.C. Chang, J.D. Atwood, and W.I. Nayda (1993) *Documentation of ASM: The U.S. Agricultural Sector Model*, Technical Report TR-93. Agricultural Experimental Station, College Station, TX.
- McFarland, M.J. (2001) *Biosolids Engineering*, New York: McGraw-Hill, p. 2.12.
- Mosier, A.R. (2004) E-mail correspondence. Arvin Mosier, U.S. Department of Agriculture, Agricultural Research Service and Stephen Del Grosso, Natural Resource Ecology Laboratory, Colorado State University, regarding the uncertainty in estimates of N application rates for specific crops (± 20). September 20, 2004.
- NASS (2004) *Agricultural Chemical Usage: 2003 Field Crops Summary*. Report AgCh1(04)a, National Agricultural Statistics Service, U.S. Department of Agriculture. Available online at <<http://usda.mannlib.cornell.edu/reports/nassr/other/pcu-bb/agcs0504.pdf>>.
- NASS (1999) *Agricultural Chemical Usage: 1998 Field Crops Summary*. Report AgCh1(99). National Agricultural Statistics Service, U.S. Department of Agriculture. Available online at <<http://usda.mannlib.cornell.edu/reports/nassr/other/pcu-bb/agch0599.pdf>>.
- NASS (1992) *Agricultural Chemical Usage: 1991 Field Crops Summary*. Report AgCh1(92). National Agricultural Statistics Service, U.S. Department of Agriculture. Available online at <<http://usda.mannlib.cornell.edu/reports/nassr/other/pcu-bb/agch0392.txt>>.
- NEBRA (2007) *A National Biosolids Regulation, Quality, End Use & Disposal Survey*. North East Biosolids and Residuals Association, July 21, 2007.
- NFA (1946) "Charting the Fertilizer Course: Results of NFA's Third Practice Survey." National Fertilizer Association. *The Fertilizer Review*. Vol. XXI, 2:7-13.
- Noller, J. (1996) Personal Communication. John Noller, Missouri Department of Natural Resources and Heike

Mainhardt, ICF Incorporated. July 30, 1996.

NRAES (1992) *On-Farm Composting Handbook* (NRAES-54). Natural Resource, Agriculture, and Engineering Service. Available online at <http://compost.css.cornell.edu/OnFarmHandbook/onfarm_TOC.html>.

NRIAI (2003) Regional Budget and Cost Information. U.S. Department of Agriculture, Natural Resources Conservation Service, Natural Resources Inventory and Analysis Institute. Available online at <<http://www.economics.nrcs.usda.gov/care/budgets/index.html>>.

Ogle, S. (2002) E-mail correspondence. Stephen Ogle, Natural Resources Ecology Laboratory, Colorado State University and Barbara Braatz, ICF International, concerning revised statistics on U.S. histosol areas cultivated in 1982, 1992, and 1997, which were extracted from the *1997 National Resources Inventory* by Marlen Eve. January 9, 2002.

Ogle, S.M., F.J. Breidt, M. Easter, S. Williams, and K. Paustian. (2007) "Empirically-Based Uncertainty Associated with Modeling Carbon Sequestration in Soils." *Ecological Modeling* 205:453-463.

Oregon Department of Energy (1995) *Report on Reducing Oregon's Greenhouse Gas Emissions: Appendix D Inventory and Technical Discussion*. Oregon Department of Energy. Salem, OR.

Parton, W.J., M.D. Hartman, D.S. Ojima, and D.S. Schimel (1998) "DAYCENT: Its Land Surface Submodel: Description and Testing". *Glob. Planet. Chang.* 19: 35-48.

Parton, W.J., E.A. Holland, S.J. Del Grosso, M.D. Hartman, R.E. Martin, A.R. Mosier, D.S. Ojima, and D.S. Schimel (2001) Generalized model for NO_x and N₂O emissions from soils. *Journal of Geophysical Research*. 106 (D15):17403-17420.

Piper C.V., R.A. Oakley, H.N. Vinall, A.J. Pieters, W.J. Morse, W.J. Spillman, O.C. Stine, J.S. Cotton., G.A. Collier, M.R. Cooper, E.C. Parker, E.W. Sheets, and A.T. Semple (1924) "Hay." *Yearbook of the Department of Agriculture*, 285-376.

Ruddy B.C., D.L. Lorenz, and D.K. Mueller (2006) *County-level estimates of nutrient inputs to the land surface of the conterminous United States, 1982-2001*. Scientific Investigations Report 2006-5012. US Department of the Interior.

Ross W.H. and A.L. Mehring (1938) "Mixed Fertilizers." In *Soils and Men*. Agricultural Yearbook 1938. U.S. Department of Agriculture.

Russell E.Z., S.S. Buckley, C.E. Baker, C.E. Gibbons, R.H. Wilcox, H.W. Hawthorne, S.W. Mendum, O.C. Stine, G.K. Holmes, A.V. Swarthout, W.B. Bell, G.S. Jamieson, C.W. Warburton, and C.F. Langworthy (1922) *Hog Production and Marketing*. Yearbook of the U.S. Department of Agriculture.

Saxton, K.E., W.J. Rawls, J.S. Romberger, and R.I. Papendick (1986) "Estimating Generalized Soil-Water Characteristics From Texture." *Soil Sci. Soc. Am. J.* 50:1031-1036.

Skinner, J.J. (1931) *Fertilizers for Cotton Soils*. Miscellaneous Publication Number 126. U.S. Department of Agriculture.

Smalley, H.R., R.H. Engle, and H. Willett (1939) *American Fertilizer Practices: Second Survey*. The National Fertilizer Association.

Smith C.B. (1911) *Rotations in the Corn Belt*. Yearbook of the Department of Agriculture, pp.325-336.

Smith, P., J. Brenner, K. Paustian, G. Bluhm, J. Cipra, M. Easter, E.T. Elliott, K. Killian, D. Lamm, J. Schuler, and S. Williams (2002) *Quantifying the Change in Greenhouse Gas Emissions Due to Natural Resource Conservation Practice Application in Indiana*. Final Report to the Indiana Conservation Partnership, Colorado State University Natural Resource Ecology Laboratory and U.S. Department of Agriculture Natural Resources Conservation Service, Fort Collins, CO.

Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. (2005) *State Soil Geographic (STATSGO) Database for State*. Available online at <<http://www.ncgc.nrcs.usda.gov/products/datasets/statsgo/index.html>>.

Spillman W.J. (1908) *Types of Farming in the United States*. Yearbook of the Department of Agriculture, 351-366.

- Spillman W.J. (1907) *Cropping Systems for Stock Farms*. Yearbook of the Department of Agriculture, 385-398.
- Spillman W.J. (1905) *Diversified Farming in the Cotton Belt*. Yearbook of the Department of Agriculture, 193-218.
- Spillman W.J. (1902) *Systems of Farm Management in the United States*. Yearbook of the Department of Agriculture, 343-364.
- Taylor, H.H. (1994) *Fertilizer Use and Price Statistics: 1960-93*. Resources and Technology Division, Economic Research Service, U.S. Department of Agriculture, Statistical Bulletin Number 893.
- Thornton, P.E., H. Hasenauer, and M.A. White (2000) "Simultaneous Estimation of Daily Solar Radiation and Humidity from Observed Temperature and Precipitation: An Application Over Complex Terrain in Austria." *Agricultural and Forest Meteorology* 104:255-271.
- Thornton, P.E. and S.W. Running (1999) "An Improved Algorithm for Estimating Incident Daily Solar Radiation from Measurements of Temperature, Humidity, and Precipitation." *Agriculture and Forest Meteorology*. 93: 211-228.
- Thornton, P.E., S.W. Running, and M.A. White (1997) "Generating Surfaces of Daily Meteorology Variables Over Large Regions of Complex Terrain." *Journal of Hydrology*. 190:214-251.
- TVA (1991 through 1992a, 1993 through 1994) *Commercial Fertilizers*. Tennessee Valley Authority, Muscle Shoals, AL.
- TVA (1992b) *Fertilizer Summary Data 1992*. Tennessee Valley Authority, Muscle Shoals, AL.
- USDA (2010a) *Crop Production 2009 Summary*, National Agricultural Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture, Washington, DC. Available online at <<http://usda.mannlib.cornell.edu>>.
- USDA (2010b) Quick Stats: U.S. & All States Data - Crops. National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. U.S. Department of Agriculture, National Agricultural Statistics Service. Washington, D.C., Available online at <<http://quickstats.nass.usda.gov/>>.
- USDA (2007) *Census of Agriculture*, National Agricultural Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture, Washington, DC.
- USDA (2003, 2005 through 2006, 2008 through 2009) *Crop Production Summary*, National Agricultural Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture, Washington, DC. Available online at <<http://usda.mannlib.cornell.edu>>.
- USDA (2000a) *1997 National Resources Inventory*. National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. Available online at <<http://www.nrcs.usda.gov/technical/NRI/>>.
- USDA (2000b) *Agricultural Statistics 2000*. National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. Available online at <<http://www.usda.gov/nass/pubs/agstats.htm>>.
- USDA (1998) *Field Crops Final Estimates 1992-1997*. Statistical Bulletin Number 947a. National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. Available online at <<http://usda.mannlib.cornell.edu>>. Accessed July 2001.
- USDA (1996) *Agricultural Waste Management Field Handbook, National Engineering Handbook (NEH)*, Part 651. Natural Resources Conservation Service, U.S. Department of Agriculture. July 1996.
- USDA (1994) *Field Crops: Final Estimates, 1987-1992*. Statistical Bulletin Number 896, National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. Available online at <<http://usda.mannlib.cornell.edu/data-sets/crops/94896/sb896.txt>>.
- USDA (1966) *Consumption of Commercial Fertilizers and Primary Plant Nutrients in the United States, 1850-1964 and By States, 1945-1964*. Statistical Bulletin Number 375, Statistical Reporting Service, U.S. Department of Agriculture.
- USDA (1957) *Fertilizer Used on Crops and Pastures in the United States—1954 Estimates*. Statistical Bulletin Number 216, Agricultural Research Service, U.S. Department of Agriculture.
- USDA (1954) *Fertilizer Use and Crop Yields in the United States*. Agricultural Handbook Number 68, the Fertilizer

Work Group, U.S. Department of Agriculture.

USDA (1946) *Fertilizers and Lime in the United States*. Miscellaneous Publication Number 586, U.S. Department of Agriculture.

VEMAP (1995) Members (J.M. Melillo, J. Borchers, J. Chaney, H. Fisher, S. Fox, A. Haxeltine, A. Janetos, D.W. Kicklighter, T.G.F. Kittel, A.D. McGuire, R. McKeown, R. Neilson, R. Nemani, D.S. Ojima, T. Painter, Y. Pan, W.J. Parton, L. Pierce, L. Pitelka, C. Prentice, B. Rizzo, N.A. Rosenbloom, S. Running, D.S. Schimel, S. Sitch, T. Smith, I. Woodward). "Vegetation/Ecosystem Modeling and Analysis Project (VEMAP): Comparing Biogeography and Biogeochemistry Models in a Continental-Scale Study of Terrestrial Ecosystem Responses to Climate Change and CO₂ Doubling." *Global Biogeochemical Cycles*, 9:407-437.

Vogelman, J.E., S.M. Howard, L. Yang, C. R. Larson, B. K. Wylie, and J. N. Van Driel (2001) "Completion of the 1990's National Land Cover Data Set for the conterminous United States." *Photogrammetric Engineering and Remote Sensing*, 67:650-662.

Warren J.A. (1911) *Agriculture in the Central Part of the Semiarid Portion of the Great Plains*. Bulletin Number 215, Bureau of Plant Industry, U.S. Department of Agriculture.

Williams, S.A. (2006) Data compiled for the Consortium for Agricultural Soils Mitigation of Greenhouse Gases (CASMGs) from an unpublished manuscript. Natural Resource Ecology Laboratory, Colorado State University.

Wisconsin Department of Natural Resources (1993) *Wisconsin Greenhouse Gas Emissions: Estimates for 1990*. Bureau of Air Management, Wisconsin Department of Natural Resources, Madison, WI.

Field Burning of Agricultural Residues

Anderson, M. (2008 through 2011) Email correspondence. Monte Anderson, Oklahoma Farm Service Agency and ICF International. July 12, 2010.

Ashman (2008) Email communication. Janet Ashman, Hawaii Agriculture Research Center and Victoria Thompson, ICF International. Ms. Ashman cited an August 2004 report prepared for the U.S. Dept. of Energy by the Hawaiian Commercial & Sugar Co., "Closed-Loop Biomass Co-Firing--Pilot-Scale and Full-Scale Test Results."

Barnard, G., and L. Kristoferson (1985) *Agricultural Residues as Fuel in the Third World*. Earthscan Energy Information Programme and the Beijer Institute of the Royal Swedish Academy of Sciences. London, England.

Cantens, G. (2004 through 2005) Personal Communication. Janet Lewis, Assistant to Gaston Cantens, Vice President of Corporate Relations, Florida Crystals Company and ICF International.

Cibrowski, P. (1996) Personal Communication. Peter Cibrowski, Minnesota Pollution Control Agency and Heike Mainhardt, ICF Incorporated. July 29, 1996.

Deren, C. (2002) Personal communication. Dr. Chris Deren, Everglades Research and Education Centre at the University of Florida and Caren Mintz, ICF International. August 15, 2002.

EPA (1994) *International Anthropogenic Methane Emissions: Estimates for 1990, Report to Congress*. EPA 230-R-93-010. Office of Policy Planning and Evaluation, U.S. Environmental Protection Agency, Washington, DC.

EPA (1992) *Prescribed Burning Background Document and Technical Information Document for Prescribed Burning Best Available Control Measures*. Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency. Research Triangle Park, NC. EPA-450/2-92-003.

Gonzalez, R. (2007 through 2011) Email correspondence. Rene Gonzalez, Plant Manager, Sem-Chi Rice Company and ICF International.

Guethle, D. (2007-2010) Email correspondence. David Guethle, Agronomy Specialist, Missouri Cooperative Extension Service and Sarah Menassian, ICF International. July 20, 2009.

Huang, Y., W. Zhang, W. Sun, and X. Zheng (2007) "Net Primary Production of Chinese Croplands from 1950 to 1999." *Ecological Applications*, 17(3):692-701.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

- IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*. Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-XVI/Doc. 10 (1.IV.2000). May 2000.
- IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency, Paris, France.
- Jenkins, B.M., S.Q. Turn, and R.B. Williams (1992) "Atmospheric emissions from agricultural burning in California: determination of burn fractions, distribution factors, and crop specific contributions." *Agriculture, Ecosystems and Environment* 38:313-330.
- Kinoshita, C.M. (1988) "Composition and processing of burned and unburned cane in Hawaii." *Intl. Sugar Jnl.* 90:1070, 34-37.
- Kirstein, A. (2003 through 2004) Personal Communication. Arthur Kirstein, Coordinator, Agricultural Economic Development Program, Palm Beach County Cooperative Extension Service, Florida and ICF International.
- Lachnicht, S.L., P.F. Hendrix, R.L. Potter, D.C. Coleman, and D.A. Crossley Jr. (2004) "Winter decomposition of transgenic cotton residue in conventional-till and no-till systems." *Applied Soil Ecology*, 27:135-142.
- Lee, D. (2003 through 2007) Email correspondence. Danny Lee, OK Farm Service Agency and ICF International.
- McCarty, J.L. (2010) *Agricultural Residue Burning in the Contiguous United States by Crop Type and State*. Geographic Information Systems (GIS) Data provided to the EPA Climate Change Division by George Pouliot, Atmospheric Modeling and Analysis Division, EPA. Dr. McCartney's research was supported by the NRI Air Quality Program of the Cooperative State Research, Education, and Extension Service, USDA, under Agreement No. 20063511216669 and the NASA Earth System Science Fellowship.
- McCarty, J.L. (2009) *Seasonal and Interannual Variability of Emissions from Crop Residue Burning in the Contiguous United States*. Dissertation. University of Maryland, College Park.
- Schueneman, T. (1999-2001) Personal Communication. Tom Schueneman, Agricultural Extension Agent, Palm Beach County, FL and ICF International. July 30, 2001.
- Schueneman, T.J. and C.W. Deren (2002) "An Overview of the Florida Rice Industry." SS-AGR-77, Agronomy Department, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida. Revised November 2002.
- Strehler, A., and W. Stützel (1987) "Biomass Residues." In Hall, D.O. and Overend, R.P. (eds.) *Biomass*. John Wiley and Sons, Ltd. Chichester, UK.
- Turn, S.Q., B.M. Jenkins, J.C. Chow, L.C. Pritchett, D. Campbell, T. Cahill, and S.A. Whalen (1997) "Elemental characterization of particulate matter emitted from biomass burning: Wind tunnel derived source profiles for herbaceous and wood fuels." *Journal of Geophysical Research* 102(D3):3683-3699.
- USDA (2011) Quick Stats: U.S. & All States Data; Crops; Production and Area Harvested; 1990 - 2010. National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. U.S. Department of Agriculture, National Agricultural Statistics Service. Washington, D.C., Available online at <<http://quickstats.nass.usda.gov/>>.
- Walker, T. (2008) Email correspondence. Tim Walker, Assistant Research Professor, Mississippi State University Delta Branch Exp. Station and Sarah Menassian, ICF International. July 25, 2008.

Land Use, Land-Use Change, and Forestry

IPCC (2003) *Good Practice Guidance for Land Use, Land-Use Change, and Forestry*. The Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, J. Penman, et al., eds. August 13, 2004. Available online at <<http://www.ipcc-nggip.iges.or.jp/public/gpplulucf/gpplulucf.htm>>.

Representation of the U.S. Land Base

Fry, J., Xian, G., Jin, S., Dewitz, J., Homer, C., Yang, L., Barnes, C., Herold, N., and J. Wickham. (2011) Completion of the 2006 National Land Cover Database for the Conterminous United States, *PE&RS*, Vol. 77(9):858-864.

Homer, C., J. Dewitz, J. Fry, M. Coan, N. Hossain, C. Larson, N. Herold, A. McKerrow, J.N. VanDriel and J. Wickham. 2007. Completion of the 2001 National Land Cover Database for the Conterminous United States, Photogrammetric Engineering and Remote Sensing, Vol. 73, No. 4, pp 337-341.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

National Atlas (2005) *Federal Lands of the United States*. National Atlas of the United States, U.S. Department of the Interior, Washington DC. Available online at <<http://nationalatlas.gov/atlasftp.html?openChapters=chpbound#chpbound>>.

Nusser, S.M. and J.J. Goebel (1997) "The national resources inventory: a long-term multi-resource monitoring programme." *Environmental and Ecological Statistics* 4:181-204.

Smith, W.B., P.D. Miles, C.H. Perry, and S.A. Pugh (2009) *Forest Resources of the United States, 2007*. Gen. Tech. Rep. WO-78. U.S. Department of Agriculture Forest Service, Washington, DC.

U.S. Census Bureau (2010) Topologically Integrated Geographic Encoding and Referencing (TIGER) system shapefiles. U.S. Census Bureau, Washington, DC. Available online at <<http://www.census.gov/geo/www/tiger>>.

Forest Land Remaining Forest Land: Changes in Forest Carbon Stocks

AF&PA. (2006a and earlier) Statistical roundup. (Monthly). Washington, DC: American Forest & Paper Association.

AF&PA. (2006b and earlier) Statistics of paper, paperboard and wood pulp. Washington, DC: American Forest & Paper Association.

Amichev, B. Y. and J. M. Galbraith (2004) "A Revised Methodology for Estimation of Forest Soil Carbon from Spatial Soils and Forest Inventory Data Sets." *Environmental Management* 33(Suppl. 1):S74-S86.

Barlaz, M.A. (1998) "Carbon storage during biodegradation of municipal solid waste components in laboratory-scale landfills." *Global Biogeochemical Cycles* 12 (2):373-380.

Bechtold, W.A.; Patterson, P.L. (2005) The enhanced forest inventory and analysis program—national sampling design and estimation procedures. Gen. Tech. Rep. SRS-80. Asheville, NC: US Department of Agriculture Forest Service, Southern Research Station. 85 p.

Birdsey, R.A., and L.S. Heath (1995) "Carbon Changes in U.S. Forests." In *Productivity of America's Forests and Climate Change*. Gen. Tech. Rep. RM-271. Rocky Mountain Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture. Fort Collins, CO, 56-70.

Birdsey, R. (1996) "Carbon Storage for Major Forest Types and Regions in the Conterminous United States." In R.N. Sampson and D. Hair, (eds); *Forest and Global Change, Volume 2: Forest Management Opportunities for Mitigating Carbon Emissions*. American Forests. Washington, DC, 1-26 and 261-379 (appendices 262 and 263).

Birdsey, R., and L. S. Heath (2001) "Forest Inventory Data, Models, and Assumptions for Monitoring Carbon Flux." In *Soil Carbon Sequestration and the Greenhouse Effect*. Soil Science Society of America. Madison, WI, 125-135.

Birdsey, R. A., and G. M. Lewis (2003) "Current and Historical Trends in Use, Management, and Disturbance of U.S. Forestlands." In J. M. Kimble, L. S. Heath, R. A. Birdsey, and R. Lal, editors. *The Potential of U.S. Forest Soils to Sequester Carbon and Mitigate the Greenhouse Effect*. CRC Press, New York, 15-34.

Domke, G.M., J.E. Smith, and C.W. Woodall. (2011) Accounting for density reduction and structural loss in standing dead trees: Implications for forest biomass and carbon stock estimates in the United States. *Carbon Balance and Management*. 6:14.

Eleazer, W.E., W.S. Odle, III, Y.S. Wang, and M.A. Barlaz (1997) "Biodegradability of municipal solid waste components in laboratory-scale landfills." *Env. Sci. Tech.* 31(3):911-917.

EPA (2010) *Inventory of U. S. Greenhouse Gas Emissions and Sinks: 1990–2008*. EPA, Office of Atmospheric Programs. Washington, DC.

EPA (2006) *Municipal solid waste in the United States: 2005 Facts and figures*. Office of Solid Waste, U.S.

- Environmental Protection Agency. Washington, DC. (5306P) EPA530-R-06-011. Available online at <<http://www.epa.gov/msw/msw99.htm>>.
- Frayser, W.E., and G.M. Furnival (1999) "Forest Survey Sampling Designs: A History." *Journal of Forestry* 97(12): 4-10.
- Freed, R. (2004) Open-dump and Landfill timeline spreadsheet (unpublished). ICF International. Washington, DC.
- Hair, D. and A.H. Ulrich (1963) The Demand and price situation for forest products – 1963. U.S. Department of Agriculture Forest Service, Misc Publication No. 953. Washington, DC.
- Hair, D. (1958) "Historical forestry statistics of the United States." Statistical Bull. 228. U.S. Department of Agriculture Forest Service, Washington, DC.
- Harmon, M.E., C.W. Woodall, B. Fasth, J. Sexton, M. Yatkov. (2011) Differences between standing and downed dead tree wood density reduction factors: A comparison across decay classes and tree species. Res. Paper. NRS-15. Newtown Square, PA: U.S. Department of Agriculture, Forest Service, Northern Research Station. 40 p.
- Heath, L. (2007) Email communication between Kim Klunich, EPA, and Linda Heath, U.S. Forest Service. November 9, 2007.
- Heath, L.S. (2006a) Email correspondence. Linda Heath, U.S. Department of Agriculture Forest Service and Kimberly Klunich, U.S. Environmental Protection Agency regarding the 95 percent CI for forest area estimates ($\pm 0.24\%$) and average carbon density for Lower 48 States ($\pm 0.4\%$). October 26, 2006.
- Heath, L.S. (2006b) Email correspondence. Linda Heath, U.S. Department of Agriculture Forest Service and Kimberly Klunich, U.S. Environmental Protection Agency regarding the 95 percent CI for average carbon density for Alaska ($\pm 1.2\%$). October 27, 2006.
- Heath, L.S., J.E., Smith, and R.A. Birdsey (2003) Carbon Trends in U. S. Forestlands: A Context for the Role of Soils in Forest Carbon Sequestration. In J. M. Kimble, L. S. Heath, R. A. Birdsey, and R. Lal, editors. *The Potential of U. S. Forest Soils to Sequester Carbon and Mitigate the Greenhouse Effect*. Lewis Publishers (CRC Press). Boca Raton, FL, 35-45.
- Heath, L. S., and J.E. Smith (2000) "Soil Carbon Accounting and Assumptions for Forestry and Forest-related Land Use Change." In *The Impact of Climate Change on America's Forests*. Joyce, L.A., and Birdsey, R.A. Gen. Tech. Rep. RMRS-59. Rocky Mountain Research Station, Forest Service, U.S. Department of Agriculture. Fort Collins, CO, 89-101.
- Heath, L. S., J. E. Smith, C. W. Woodall, D. L. Azuma, and K. L. Waddell (2011) Carbon stocks on forestlands of the United States, with emphasis on USDA Forest Service ownership. *Ecosphere* 2(1), article 6, 21 p.
- Howard, James L. (2003) *U.S. timber production, trade, consumption, and price statistics 1965 to 2002*. Res. Pap. FPL-RP-615. Madison, WI: USDA, Forest Service, Forest Products Laboratory. Available online at <<http://www.fpl.fs.fed.us/documnts/fplrp/fplrp615/fplrp615.pdf>>.
- Howard, James L. (2007) *U.S. timber production, trade, consumption, and price statistics 1965 to 2005*. Res. Pap. FPL-RP-637. Madison, WI: USDA, Forest Service, Forest Products Laboratory.
- IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.
- IPCC (2003) *Good Practice Guidance for Land Use, Land-Use Change, and Forestry*. The Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, J. Penman, et al., eds. August 13, 2004. Available online at <<http://www.ipcc-nggip.iges.or.jp/public/gpplulucf/gpplulucf.htm>>.
- IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.
- Jenkins, J.C., D.C. Chojnacky, L.S. Heath, and R.A. Birdsey (2003) "National-scale biomass estimators for United States tree species." *Forest Science* 49(1):12-35.

- Johnson, D. W., and P. S. Curtis (2001) "Effects of Forest Management on Soil C and N Storage: Meta Analysis." *Forest Ecology and Management* 140:227-238.
- Melosi, M. (2000) *The Sanitary City*. Johns Hopkins University Press. Baltimore, MD.
- Melosi, M. (1981) *Garbage in The Cities: Refuse Reform and the Environment: 1880-1980*. Texas A&M Press.
- Micales, J.A. and K.E. Skog (1997) "The decomposition of forest products in landfills." *International Biodeterioration & Biodegradation*. 39(2-3):145-158.
- National Association of State Foresters (2007a) State Forestry Statistics 1998 Report. Available online at <http://www.stateforesters.org/statistics/FY98_Statistics/Resource%20Base.htm>. March 2008.
- National Association of State Foresters (2007b) State Forestry Statistics 2002 Report. Available online at <http://www.stateforesters.org/statistics/FY02_Statistics/2002%20Stat%20Resource%20Base.pdf>. March 2008.
- National Association of State Foresters (2007c) State Forestry Statistics 2004 Report. Available online at <http://www.stateforesters.org/statistics/FY04_Statistics/FY2004Statistics.pdf>. March 2008.
- Perry, C.H., C.W. Woodall, and M. Schoeneberger (2005) Inventorying trees in agricultural landscapes: towards an accounting of "working trees". In: "Moving Agroforestry into the Mainstream." *Proc. 9th N. Am. Agroforestry Conf.*, Brooks, K.N. and Ffolliott, P.F. (eds). 12-15 June 2005, Rochester, MN [CD-ROM]. Dept. of Forest Resources, Univ. Minnesota, St. Paul, MN, 12 p. Available online at <<http://cinram.umn.edu/afta2005/>>. (verified 23 Sept 2006).
- Phillips, D.L., S.L. Brown, P.E. Schroeder, and R.A. Birdsey (2000) "Toward Error Analysis of Large-Scale Forest Carbon Budgets." *Global Ecology and Biogeography* 9:305-313.
- Skog, K.E., and G.A. Nicholson (1998) "Carbon Cycling Through Wood Products: The Role of Wood and Paper Products in Carbon Sequestration." *Forest Products Journal* 48:75-83.
- Skog, K.E., K. Pingoud, and J.E. Smith (2004) "A method countries can use to estimate changes in carbon stored in harvested wood products and the uncertainty of such estimates." *Environmental Management* 33(Suppl. 1):S65-S73.
- Skog, K.E. (2008) "Sequestration of carbon in harvested wood products for the United States." *Forest Products Journal* 58:56-72.
- Smith, J.E., and L.S. Heath (2002) "A model of forest floor carbon mass for United States forest types." Res. Paper NE-722. USDA Forest Service, Northeastern Research Station, Newtown Square, PA.
- Smith, J.E., and L.S. Heath (2010) "Exploring the assumed invariance of implied emission factors for forest biomass in greenhouse gas inventories." *Environmental Science & Policy* 13:55-62.
- Smith, J. E., L. S. Heath, and J. C. Jenkins (2003) *Forest Volume-to-Biomass Models and Estimates of Mass for Live and Standing Dead Trees of U.S. Forests*. General Technical Report NE-298, USDA Forest Service, Northeastern Research Station, Newtown Square, PA.
- Smith, J. E., L. S. Heath, and P. B. Woodbury (2004) "How to estimate forest carbon for large areas from inventory data." *Journal of Forestry* 102:25-31.
- Smith, W. B., P. D. Miles, C. H. Perry, and S. A. Pugh (2009) *Forest Resources of the United States, 2007*. General Technical Report WO-78, U.S. Department of Agriculture Forest Service, Washington Office.
- Smith, J.E., L.S. Heath, and M.C. Nichols (2010) U.S. Forest Carbon Calculation Tool User's Guide: Forestland Carbon Stocks and Net Annual Stock Change. General Technical Report NRS-13 revised, U.S. Department of Agriculture Forest Service, Northern Research Station, 34p.
- Steer, Henry B. (1948) *Lumber production in the United States*. Misc. Pub. 669, U.S. Department of Agriculture Forest Service. Washington, DC.
- Ulrich, Alice (1985) *U.S. Timber Production, Trade, Consumption, and Price Statistics 1950-1985*. Misc. Pub. 1453, U.S. Department of Agriculture Forest Service. Washington, DC.
- Ulrich, A.H. (1989) *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-1987*. USDA Miscellaneous Publication No. 1471, U.S. Department of Agriculture Forest Service. Washington, DC, 77.

USDC Bureau of Census (1976) *Historical Statistics of the United States, Colonial Times to 1970, Vol. 1*. Washington, DC.

USDA Forest Service (2011a) Forest Inventory and Analysis National Program: User Information. U.S. Department of Agriculture Forest Service. Washington, DC. Available online at <<http://fia.fs.fed.us/tools-data/docs/default.asp>>. Accessed 16 November 2011.

USDA Forest Service. (2011b) Forest Inventory and Analysis National Program: FIA Data Mart. U.S. Department of Agriculture Forest Service. Washington, DC. Available online at <<http://apps.fs.fed.us/fiadb-downloads/datamart.html>>. Accessed 16 November 2011.

USDA Forest Service. (2011c) Forest Inventory and Analysis National Program, FIA library: Field Guides, Methods and Procedures. U.S. Department of Agriculture Forest Service. Washington, DC. Available online at <<http://www.fia.fs.fed.us/library/field-guides-methods-proc/>>. Accessed 16 November 2011.

USDA Forest Service (2011d) Forest Inventory and Analysis National Program, FIA library: Database Documentation. U.S. Department of Agriculture, Forest Service, Washington Office. Available online at <<http://fia.fs.fed.us/library/database-documentation/>>. Accessed 16 November 2011.

USDA Forest Service (2008) Forest Inventory and Analysis National Program, FIA library: Database Documentation. U.S. Department of Agriculture, Forest Service, Washington Office. Available online at <<http://www.fia.fs.fed.us/library/database-documentation/>>. Accessed 15 December 2009.

USDA Forest Service (1992) "1984-1990 Wildfire Statistics." Prepared by State and Private Forestry Fire and Aviation Management Staff. Facsimile from Helene Cleveland, USDA Forest Service, to ICF International. January 30, 2008.

USDA (1991) *State Soil Geographic (STATSGO) Data Base Data use information*. Miscellaneous Publication Number 1492, National Soil Survey Center, Natural Resources Conservation Service, U.S. Department of Agriculture, Fort Worth, TX.

Waddell, K., and B. Hiserote. 2005. The PNW-FIA Integrated Database User Guide: A database of forest inventory information for California, Oregon, and Washington. Forest Inventory and Analysis Program, Pacific Northwest Research Station, Portland, Oregon, USA. Woodall, C.W., Amacher, M.C., Bechtold, W.A., Coulston, J.W., Jovan, S., Perry, C.H., Randolph, K.C., Schulz, B.K., Smith, G.C., Tkacz, B, and Will-Wolf, S. (2011) "Status and future of the forest health indicators program of the USA" *Environmental Monitoring and Assessment*, 177:419-436.

Woodall, C.W., L.S. Heath, G.M. Domke, and M.C. Nichols. (2011a) Methods and equations for estimating aboveground volume, biomass, and carbon for trees in the U.S. forest inventory, 2010. Gen. Tech. Rep. NRS-88. Newtown Square, PA: U.S. Department of Agriculture, Forest Service, Northern Research Station. 30 p.

Woodall, C.W., Domke, G.M., MacFarlane, D.W., Oswalt, C.M. (In Press) Comparing Field- and Model-Based Standing Dead Tree Carbon Stock Estimates Across Forests of the United States. *Forestry*.

Woodall, C.W., Amacher, M.C., Bechtold, W.A., Coulston, J.W., Jovan, S., Perry, C.H., Randolph, K.C., Schulz, B.K., Smith, G.C., Tkacz, B., Will-Wolf, S. (2011b) Status and future of the forest health indicators program of the United States. *Environmental Monitoring and Assessment*. 177: 419-436.

Woodbury, P.B., Heath, L.S., and Smith, J.E. (2006) "Land Use Change Effects on Forest Carbon Cycling Throughout the Southern United States." *Journal of Environmental Quality*, 35:1348-1363.

Woodbury, P.B., L.S. Heath, and J.E. Smith (2007) Effects of land use change on soil carbon cycling in the conterminous United States from 1900 to 2050, *Global Biogeochem. Cycles*, 21, GB3006, doi:10.1029/2007GB002950.

Woudenberg, S.W.; Conkling, B.L.; O'Connell, B.M.; LaPoint, E.B.; Turner, J.A.; Waddell, K.L. (2010) The Forest Inventory and Analysis Database: Database description and users manual version 4.0 for Phase 2. Gen. Tech. Rep. RMRS-GTR- 245. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 339.

Forest Land Remaining Forest Land: Non-CO₂ Emissions from Forest Fires

Alaska Department of Natural Resources (2008) Division of Forestry. "Fire Statistics." Available online at <<http://forestry.alaska.gov/firestats/>>. October 2008.

- Alaska Interagency Coordination Center (AICC) (2011) “2010 Fire Season Statistics.” Available online at <<http://fire.ak.blm.gov/content/aicc/stats/2010.pdf>>.
- Heath, L. (2008) Phone communication between Kim Klunich, EPA, and Linda Heath, U.S. Forest Service. November 24, 2008.
- IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.
- IPCC (2003) *Good Practice Guidance for Land Use, Land-Use Change, and Forestry*. The Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, J. Penman, et al., eds. August 13, 2004. Available online at <<http://www.ipcc-nggip.iges.or.jp/public/gpplulucf/gpplulucf.htm>>.
- National Association of State Foresters (1998) State Forestry Statistics 1998 Report. Available online at <<http://www.stateforesters.org/files/1998ResourceBase.pdf>>. October 2008.
- National Association of State Foresters (2002) State Forestry Statistics 2002 Report. Available online at <http://www.stateforesters.org/files/2002_20Stat_20Resource_20Base.pdf>. October 2008.
- National Association of State Foresters (2004) State Forestry Statistics 2004 Report. Available online at <<http://www.stateforesters.org/files/FY2004Statistics.pdf>>. October 2008.
- National Association of State Foresters (2008) State Forestry Statistics 2006 Report. Available online at <<http://www.stateforesters.org/files/2006%20State%20Forestry%20Statistics-Web-Final.pdf>>. February 2009.
- National Association of State Foresters (2011) State Forestry Statistics Spreadsheet. Available online at <<http://www.stateforesters.org/publication-type/stats>>. November 2011.
- National Interagency Fire Center (2011) “Fire Information—Wildland Fire Statistics. Total Wildland Fires and Acres (1960-2009).” Available online at <http://www.nifc.gov/fireInfo/fireInfo_statistics.html>. November 2011.
- Smith, J. (2009) E-mail correspondence between Jean Kim, ICF, and Jim Smith, U.S. Forest Service, January 30, 2009.
- Smith, J. (2008a) E-mail correspondence between Jean Kim, ICF, and Jim Smith, U.S. Forest Service, December 3, 2008.
- Smith, J. (2008b) E-mail correspondence between Jean Kim, ICF, and Jim Smith, U.S. Forest Service, December 8, 2008.
- Smith, J. (2008c) E-mail correspondence between Jean Kim, ICF, and Jim Smith, U.S. Forest Service, December 16, 2008.
- USDA Forest Service (2010a) Forest Inventory and Analysis National Program: User Information. U.S. Department of Agriculture Forest Service. Washington, DC. Available online at <<http://fia.fs.fed.us/tools-data/docs/default.asp>>. Accessed 07 October 2010.
- USDA Forest Service. (2010b) Forest Inventory and Analysis National Program: FIA Data Mart. U.S. Department of Agriculture Forest Service. Washington, DC. Available online at <<http://199.128.173.17/fiadb4-downloads/datamart.html>>. Accessed 07 October 2010.
- USDA Forest Service. (2010c) Forest Inventory and Analysis National Program, FIA library: Field Guides, Methods and Procedures. U.S. Department of Agriculture Forest Service. Washington, DC. Available online at <<http://www.fia.fs.fed.us/library/field-guides-methods-proc/>>. Accessed 07 October 2010.
- USDA Forest Service (2010d) Forest Inventory and Analysis National Program, FIA library: Database Documentation. U.S. Department of Agriculture, Forest Service, Washington Office. Available online at <<http://fia.fs.fed.us/library/database-documentation/>>. Accessed 07 October 2010.
- USDA Forest Service (1992) “1984-1990 Wildfire Statistics.” Prepared by State and Private Forestry Fire and Aviation Management Staff. Facsimile from Helene Cleveland, USDA Forest Service, to ICF International. January 30, 2008.

Forest Land Remaining Forest Land: N₂O Fluxes from Soils

Albaugh, T.J., Allen, H.L., Fox, T.R. (2007) Historical Patterns of Forest Fertilization in the Southeastern United States from 1969 to 2004. *Southern Journal of Applied Forestry*, 31, 129-137(9).

Binkley, D. (2004) Email correspondence regarding the 95% CI for area estimates of southern pine plantations receiving N fertilizer ($\pm 20\%$) and the rate applied for areas receiving N fertilizer (100 to 200 pounds/acre). Dan Binkley, Department of Forest, Rangeland, and Watershed Stewardship, Colorado State University and Stephen Del Grosso, Natural Resource Ecology Laboratory, Colorado State University. September 19, 2004.

Binkley, D., R. Carter, and H.L. Allen (1995) Nitrogen Fertilization Practices in Forestry. In: *Nitrogen Fertilization in the Environment*, P.E. Bacon (ed.), Marcel Decker, Inc., New York.

Briggs, D. (2007) *Management Practices on Pacific Northwest West-Side Industrial Forest Lands, 1991-2005: With Projections to 2010*. Stand Management Cooperative, SMC Working Paper Number 6, College of Forest Resources, University of Washington, Seattle.

Fox, T.R., H. L. Allen, T.J. Albaugh, R. Rubilar, and C.A. Carlson (2007) Tree Nutrition and Forest Fertilization of Pine Plantations in the Southern United States. *Southern Journal of Applied Forestry*. 31, 5-11.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

USDA Forest Service (2001) *U.S. Forest Facts and Historical Trends*. FS-696. U.S. Department of Agriculture Forest Service, Washington, DC. Available online at <<http://www.fia.fs.fed.us/library/ForestFactsMetric.pdf>>.

Cropland Remaining Cropland, Land Converted to Cropland, Grassland Remaining Grassland, and Land Converted to Grassland: Changes in Agricultural Soil Carbon Stocks

Allmaras, R.R., H.H. Schomberg, C.L. Douglas, Jr., and T.H. Dao (2000) "Soil organic carbon sequestration potential of adopting conservation tillage in U.S. croplands." *J Soil Water Conserv* 55:365-373.

Armentano, T.V. and J.T.A. Verhoeven (1990) "Biogeochemical Cycles: Global," in B.C. Patten, et al. (eds.); *Wetlands and Shallow Continental Water Bodies*. SPB Academic Publishing. The Hague, the Netherlands, Vol. I, 281-311.

Bastian, R. (2007) Personal Communication. Robert Bastian, Office of Water, U.S. Environmental Protection Agency, Washington, DC and Victoria Thompson, ICF International. July 20, 2007.

Brady, N.C. and R.R. Weil (1999) *The Nature and Properties of Soils*. Prentice Hall. Upper Saddle River, NJ, 881.

CTIC (1998) "1998 Crop Residue Management Executive Summary." Conservation Technology Information Center. West Lafayette, IN.

Daly, C., R.P. Neilson, and D.L. Phillips (1994) "A Statistical-Topographic Model for Mapping Climatological Precipitation Over Mountainous Terrain." *Journal of Applied Meteorology* 33:140-158.

Dean, W. E., and E. Gorham (1998) Magnitude and significance of carbon burial in lakes, reservoirs, and peatlands. *Geology* 26:535-538.

Easter, M., S. Williams, and S. Ogle. (2008) Gap-filling NRI data for the Soil C Inventory. Natural Resource Ecology Laboratory, Colorado State University, Fort Collins, CO. Report provided to the U.S. Environmental Protection Agency, Tom Wirth.

Edmonds, L., R. L. Kellogg, B. Kintzer, L. Knight, C. Lander, J. Lemunyon, D. Meyer, D.C. Moffitt, and J. Schaefer (2003) "Costs associated with development and implementation of Comprehensive Nutrient Management Plans." Part I—Nutrient management, land treatment, manure and wastewater handling and storage, and recordkeeping. Natural Resources Conservation Service, U.S. Department of Agriculture. Available online at <<http://www.nrcs.usda.gov/technical/land/pubs/cnmp1.html>>.

EPA (1999) *Biosolids Generation, Use and Disposal in the United States*. Office of Solid Waste, U.S. Environmental Protection Agency. Available online at <<http://biosolids.policy.net/relatives/18941.PDF>>.

EPA (1993) Federal Register. Part II. Standards for the Use and Disposal of Sewage Sludge; Final Rules. U.S.

Environmental Protection Agency, 40 CFR Parts 257, 403, and 503.

ERS (1997) Cropping Practices Survey Data—1995. Economic Research Service, United States Department of Agriculture. Available online at <<http://www.ers.usda.gov/data/archive/93018/>>.

ERS (1988) *Agricultural Resources—Inputs Situation and Outlook Report*. AR-9. Economic Research Service, U.S. Department of Agriculture.

Euliss, N., and R. Gleason (2002) Personal communication regarding wetland restoration factor estimates and restoration activity data. Ned Euliss and Robert Gleason of the U.S. Geological Survey, Jamestown, ND, to Stephen Ogle of the National Resource Ecology Laboratory, Fort Collins, CO. August 2002.

Eve, M. (2001) E-mail correspondence. Marlen Eve, Natural Resources Ecology Laboratory, Colorado State University and Barbara Braatz and Caren Mintz, ICF International. Statistics on U.S. organic soil areas cultivated in 1982, 1992, and 1997, which were extracted from the *1997 National Resources Inventory*. September 21, 2001.

Grant, W.R. and R.D. Krenz (1985) *U. S. grain sorghum production practices and costs*. Staff Report No. AGES 851024. National Economics Division, Economics Research Service, U.S. Department of Agriculture.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC (2003) *Good Practice Guidance for Land Use, Land-Use Change, and Forestry*. The Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, J. Penman, et al., eds. August 13, 2004. Available online at <<http://www.ipcc-nggip.iges.or.jp/public/gpplulucf/gpplulucf.htm>>.

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency, Paris, France.

Kellogg, R.L., C.H. Lander, D.C. Moffitt, and N. Gollehon (2000) *Manure Nutrients Relative to the Capacity of Cropland and Pastureland to Assimilate Nutrients: Spatial and Temporal Trends for the United States*. U.S. Department of Agriculture, Washington, DC. Publication number nps00-0579.

McFarland, M.J. (2001) *Biosolids Engineering*, New York: McGraw-Hill, p. 2.12.

Metherell, A.K., L.A. Harding, C.V. Cole, and W.J. Parton (1993) “CENTURY Soil Organic Matter Model Environment.” Agroecosystem version 4.0. Technical documentation, GPSR Tech. Report No. 4, USDA/ARS, Ft. Collins, CO.

NASS (2004) *Agricultural Chemical Usage: 2003 Field Crops Summary*. Report AgCh1(04)a. National Agricultural Statistics Service, U.S. Department of Agriculture, Washington, DC. Available online at <<http://usda.mannlib.cornell.edu/reports/nassr/other/pcu-bb/agcs0504.pdf>>.

NASS (1999) *Agricultural Chemical Usage: 1998 Field Crops Summary*. Report AgCH1(99). National Agricultural Statistics Service, U.S. Department of Agriculture, Washington, DC. Available online at <<http://usda.mannlib.cornell.edu/reports/nassr/other/pcu-bb/agch0599.pdf>>.

NASS (1992) *Agricultural Chemical Usage: 1991 Field Crops Summary*. Report AgCh1(92). National Agricultural Statistics Service, U.S. Department of Agriculture, Washington, DC. Available online at <<http://usda.mannlib.cornell.edu/reports/nassr/other/pcu-bb/agch0392.txt>>.

NEBRA (2007) *A National Biosolids Regulation, Quality, End Use & Disposal Survey*. North East Biosolids and Residuals Association, July 21, 2007

NRAES (1992) *On-Farm Composting Handbook (NRAES-54)*. Natural Resource, Agriculture, and Engineering Service. Available online at <http://compost.css.cornell.edu/OnFarmHandbook/onfarm_TOC.html>.

NRCS (1999) *Soil Taxonomy: A basic system of soil classification for making and interpreting soil surveys, 2nd Edition*. Agricultural Handbook Number 436, Natural Resources Conservation Service, U.S. Department of Agriculture, Washington, DC.

NRCS (1997) “National Soil Survey Laboratory Characterization Data,” Digital Data, Natural Resources

Conservation Service, U.S. Department of Agriculture. Lincoln, NE.

NRCS (1981) *Land Resource Regions and Major Land Resource Areas of the United States*, USDA Agriculture Handbook 296, United States Department of Agriculture, Natural Resources Conservation Service, National Soil Survey Center, Lincoln, NE, pp. 156.

Nusser, S.M., J.J. Goebel (1997) The national resources inventory: a long term monitoring programme. *Environmental and Ecological Statistics*, **4**, 181-204.

Ogle, S.M., F.J. Breidt, M. Easter, S. Williams, K. Killian, and K. Paustian (2009) "Scale and uncertainty in modeled soil organic carbon stock changes for US croplands using a process-based model." *Global Change Biology*, in press.

Ogle, S.M., F.J. Breidt, M. Easter, S. Williams and K. Paustian. (2007) "Empirically-Based Uncertainty Associated with Modeling Carbon Sequestration Rates in Soils." *Ecological Modeling* 205:453-463.

Ogle, S.M., F.J. Breidt, and K. Paustian. (2006) "Bias and variance in model results due to spatial scaling of measurements for parameterization in regional assessments." *Global Change Biology* 12:516-523.

Ogle, S.M., M.D. Eve, F.J. Breidt, and K. Paustian (2003) "Uncertainty in estimating land use and management impacts on soil organic carbon storage for U.S. agroecosystems between 1982 and 1997." *Global Change Biology* 9:1521-1542.

Ogle, S., M. Eve, M. Sperrow, F.J. Breidt, and K. Paustian (2002) Agricultural Soil C Emissions, 1990-2001: Documentation to Accompany EPA Inventory Tables. Natural Resources Ecology Laboratory, Fort Collins, CO. Provided in an e-mail from Stephen Ogle, NREL to Barbara Braatz, ICF International. September 23, 2002

Parton, W.J., D.S. Schimel, C.V. Cole, D.S. Ojima (1987) "Analysis of factors controlling soil organic matter levels in Great Plains grasslands." *Soil Science Society of America Journal* 51:1173-1179.

Parton, W.J., J.W.B. Stewart, C.V. Cole. (1988) "Dynamics of C, N, P, and S in grassland soils: a model." *Biogeochemistry* 5:109-131.

Parton, W.J., D.S. Ojima, C.V. Cole, and D.S. Schimel (1994) "A General Model for Soil Organic Matter Dynamics: Sensitivity to litter chemistry, texture and management," in *Quantitative Modeling of Soil Forming Processes*. Special Publication 39, Soil Science Society of America, Madison, WI, 147-167.

Potter, C. S., J.T. Randerson, C.B. Fields, P.A. Matson, P.M. Vitousek, H.A. Mooney, and S.A. Klooster. (1993) "Terrestrial ecosystem production: a process model based on global satellite and surface data." *Global Biogeochemical Cycles* 7:811-841.

Reilly, J.M. and K.O. Fuglie. (1998) "Future yield growth in field crops: What evidence exists?" *Soil Till Res* 47:275-290.

USDA-FSA (2010) Conservation Reserve Program Monthly Summary – September 2010. U.S. Department of Agriculture, Farm Service Agency, Washington, DC, Available online at <http://www.fsa.usda.gov/Internet/FSA_File/sep2010crpstat.pdf>.

USDA (1996) *Agricultural Waste Management Field Handbook, National Engineering Handbook (NEH)*, Part 651. Natural Resources Conservation Service, U.S. Department of Agriculture. July 1996.

USDA (1966) *Consumption of Commercial Fertilizers and Primary Plant Nutrients in the United States, 1850-1964 and By States, 1945-1964*. Statistical Bulletin Number 375, Statistical Reporting Service, U.S. Department of Agriculture.

USDA (1957) *Fertilizer Used on Crops and Pastures in the United States—1954 Estimates*. Statistical Bulletin Number 216, Agricultural Research Service, U.S. Department of Agriculture.

USDA (1954) *Fertilizer Use and Crop Yields in the United States*. Agricultural Handbook Number 68, the Fertilizer Work Group, U.S. Department of Agriculture.

USDA-NRCS (2000) *Digital Data And Summary Report: 1997 National Resources Inventory*. Revised December 2000. Resources Inventory Division, Natural Resources Conservation Service, United States Department of Agriculture, Beltsville, MD.

Peatlands Remaining Peatlands: CO₂ and N₂O Emissions from Peatlands Remaining Peatlands

Apodaca, L. (2008) E-mail correspondence. Lori Apodaca, Peat Commodity Specialist, USGS and Emily Rowan, ICF International. October and November.

Apodaca, L. (2011) Email correspondence. Lori Apodaca, Peat Commodity Specialist, USGS and Emily Rowan, ICF International. November.

Cleary, J., N. Roulet and T.R. Moore (2005) "Greenhouse gas emissions from Canadian peat extraction, 1990-2000: A life-cycle analysis." *Ambio* 34:456-461.

Division of Geological & Geophysical Surveys (DGGS), Alaska Department of Natural Resources (1997-2011) *Alaska's Mineral Industry Report (1997-2010)*. Alaska Department of Natural Resources, Fairbanks, AK. Available online at <<http://www.dggs.dnr.state.ak.us/pubs/pubs?reqtype=minerals>>.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

Szumigala, D.J. (2011) Phone conversation. Dr. David Szumigala, Division of Geological and Geophysical Surveys, Alaska Department of Natural Resources and Emily Rowan, ICF International. January 18th, 2011.

Szumigala, D.J. (2008) Phone conversation. Dr. David Szumigala, Division of Geological and Geophysical Surveys, Alaska Department of Natural Resources and Emily Rowan, ICF International. October 17th, 2008.

Szumigala, D.J., R.A. Hughes and L.A. Harbo (2010) *Alaska's Mineral Industry 2009: A Summary*. Division of Geological & Geophysical Surveys, Alaska Department of Natural Resources, Fairbanks, AK. Available online at <<http://www.dggs.alaska.gov/webpubs/dggs/ic/text/ic060.PDF>>.

United States Geological Survey (USGS) (1996-2011) *Mineral Commodity Summaries: Peat (1996-2010)*. United States Geological Survey, Reston, VA. Available online at <<http://minerals.usgs.gov/minerals/pubs/commodity/peat/index.html#myb>>.

United States Geological Survey (USGS) (1991-2011) *Minerals Yearbook: Peat (1994-2009)*. United States Geological Survey, Reston, VA. Available online at <<http://minerals.usgs.gov/minerals/pubs/commodity/peat/index.html#myb>>.

United States Geological Survey (USGS) (2011a) *Mineral Commodity Summaries 2011: Peat*. United States Geological Survey, Reston, VA. Available online at <<http://minerals.usgs.gov/minerals/pubs/commodity/peat/>>.

United States Geological Survey (USGS) (2011b) *2009 Minerals Yearbook: Peat [Advance Release]*. United States Geological Survey, Reston, VA. Available online at <<http://minerals.usgs.gov/minerals/pubs/commodity/peat/index.html#myb>>.

Liming and Urea

AAPFCO (1995 through 2000a, 2002 through 2011b) *Commercial Fertilizers*. Association of American Plant Food Control Officials. University of Kentucky. Lexington, KY.

AAPFCO (2000b) *1999-2000 Commercial Fertilizers Data, ASCII files*. Available from David Terry, Secretary, AAPFCO.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

Ite, Cortney (2009) Email correspondence. Cortney Ite, ERG and Tom Wirth, U.S. Environmental Protection Agency on the amount of urea used in aircraft deicing. January 7, 2009.

Tepordei, Valentin V. (2003b) Personal communication. Valentin Tepordei, U.S. Geological Survey and ICF

Consulting, August 18, 2003.

Tepordei, V.V. (1997 through 2006) "Crushed Stone," In *Minerals Yearbook*. U.S. Department of the Interior/U.S. Geological Survey, Washington, DC. Available online at http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis.

Tepordei, V.V. (1996) "Crushed Stone," In *Minerals Yearbook 1994*. U.S. Department of the Interior/Bureau of Mines, Washington, DC. Available online at http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis. Accessed August 2000.

Tepordei, V.V. (1995) "Crushed Stone," In *Minerals Yearbook 1993*. U.S. Department of the Interior/Bureau of Mines, Washington, DC. pp. 1107–1147.

Tepordei, V. V. (1994) "Crushed Stone," In *Minerals Yearbook 1992*. U.S. Department of the Interior/Bureau of Mines, Washington, DC. pp. 1279-1303.

Tepordei, V.V. (1993) "Crushed Stone," In *Minerals Yearbook 1991*. U.S. Department of the Interior/Bureau of Mines, Washington, DC. pp. 1469-1511.

Terry, D. (2007) Email correspondence. David Terry, Fertilizer Regulatory program, University of Kentucky and David Berv, ICF International. September 7, 2007.

TVA (1991 through 1994) *Commercial Fertilizers*. Tennessee Valley Authority, Muscle Shoals, AL.

U.S. EPA. (2000) Preliminary Data Summary: Airport Deicing Operations (Revised). EPA-821-R-00-016. August 2000.

USGS (2011) *Mineral Industry Surveys: Crushed Stone and Sand and Gravel in the First Quarter of 2011*, U.S. Geological Survey, Reston, VA. Available online at http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis.

USGS (2010) *Mineral Industry Surveys: Crushed Stone and Sand and Gravel in the First Quarter of 2010*, U.S. Geological Survey, Reston, VA. Available online at http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis.

USGS (2009) *Mineral Industry Surveys: Crushed Stone and Sand and Gravel in the First Quarter of 2009*, U.S. Geological Survey, Reston, VA. Available online at http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis.

USGS (2008) *Mineral Industry Surveys: Crushed Stone and Sand and Gravel in the First Quarter of 2008*, U.S. Geological Survey, Reston, VA. Available online at http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis.

USGS (2007) *Mineral Industry Surveys: Crushed Stone and Sand and Gravel in the First Quarter of 2007*. U.S. Geological Survey, Reston, VA. Available online at http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis.

West, T.O., and A.C. McBride (2005) "The contribution of agricultural lime to carbon dioxide emissions in the United States: dissolution, transport, and net emissions," *Agricultural Ecosystems & Environment* 108:145-154.

West, Tristram O. (2008) Email correspondence. Tristram West, Environmental Sciences Division, Oak Ridge National Laboratory, U.S. Department of Energy and Nikhil Nadkarni, ICF International on suitability of liming emission factor for the entire United States. June 9, 2008.

Willett, Jason C. (2010) "Crushed Stone," 2008 Minerals Yearbook. U.S. Department of the Interior/U.S. Geological Survey, Washington, D.C. Available online at http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis. Accessed August 2010.

Willett, J.C. (2010) "Crushed Stone," In *Minerals Yearbook 2009*. U.S. Department of the Interior/U.S. Geological Survey, Washington, DC. Available online at http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis. Accessed August 2011.

Willett, J.C. (2009) "Crushed Stone," In *Minerals Yearbook 2007*. U.S. Department of the Interior/U.S. Geological Survey, Washington, DC. Available online at

<http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis>. Accessed August 2009.

Willett, J.C. (2007a) "Crushed Stone," In *Minerals Yearbook 2005*. U.S. Department of the Interior/U.S. Geological Survey, Washington, DC. Available online at

<http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis>. Accessed August 2007.

Willett, J.C. (2007b) "Crushed Stone," In *Minerals Yearbook 2006*. U.S. Department of the Interior/U.S. Geological Survey, Washington, DC. Available online at

<http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis>. Accessed August 2008.

Settlements Remaining Settlements: N₂O Fluxes from Soils

Albaugh, T.J., Allen, H.L., Fox, T.R. (2007) *Historical Patterns of Forest Fertilization in the Southeastern United States from 1969 to 2004*. Southern Journal of Applied Forestry, 31, 129-137(9)

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

Ruddy B.C., D.L. Lorenz, and D.K. Mueller (2006) *County-level estimates of nutrient inputs to the land surface of the conterminous United States, 1982-2001*. Scientific Investigations Report 2006-5012. U.S. Department of the Interior.

Settlements Remaining Settlements: Changes in Carbon Stocks in Urban Trees

Arthur, M. (2011) Phone conversation regarding U.S. Census Bureau information on urban areas and geography. Mike Arthur, U.S. Census Bureau, and Nick Devonshire, ICF International. October 6, 2011.

Cairns, M.A., S. Brown, E.H. Helmer, and G.A. Baumgardner (1997) "Root Biomass Allocation in the World's Upland Forests." *Oecologia* 111:1-11.

deVries, R.E. (1987) *A Preliminary Investigation of the Growth and Longevity of Trees in Central Park*. M.S. thesis, Rutgers University, New Brunswick, NJ.

Dwyer, J.F., D.J. Nowak, M.H. Noble, and S.M. Sisinni (2000) *Connecting People with Ecosystems in the 21st Century: An Assessment of Our Nation's Urban Forests*. General Technical Report PNW-GTR-490, U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station, Portland, OR.

Fleming, L.E. (1988) *Growth Estimation of Street Trees in Central New Jersey*. M.S. thesis, Rutgers University, New Brunswick, NJ.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

Nowak, D.J., E.J. Greenfield, R.E. Hoehn, E. Lapoint (2012, in preparation) *Carbon Storage and Sequestration by Trees in Urban and Community Areas of the United States*. USDA, Forest Service, Northeastern Research Station, Syracuse, NY.

Nowak, D.J. (2011a) Phone conference regarding Changes in Carbon Stocks in Urban Trees estimation methodology. David Nowak, USDA, Jennifer Jenkins, EPA, and Mark Flugge and Nikhil Nadkarni, ICF International. January 4, 2011.

Nowak, D.J. (2011b) Phone conference regarding Changes in Carbon Stocks in Urban Trees estimation methodology. David Nowak, USDA, Jennifer Jenkins, EPA, and Mark Flugge and Nick Devonshire, ICF International. November 28, 2011.

Nowak, D.J. (2009) E-mail correspondence regarding new data for Chicago's urban forest. David Nowak, USDA Forest Service to Nikhil Nadkarni, ICF International. October 7, 2009.

Nowak, D.J. (2007a) "New York City's Urban Forest." USDA Forest Service. Newtown Square, PA, February 2007.

Nowak, D.J. (2007b) Personal Communication. David Nowak, USDA Forest Service and Susan Asam, ICF International. September 25, 2007.

- Nowak, D.J. (2007c) E-mail correspondence regarding revised sequestration values and standard errors for sequestration values. David Nowak, USDA Forest Service to Susan Asam, ICF International. October 31, 2007.
- Nowak, D.J. (2002a) E-mail correspondence containing information on possible urban tree carbon and forest carbon overlap. David Nowak, USDA Forest Service to Barbara Braatz, ICF International. January 10, 2002.
- Nowak, D.J. (2002b) E-mail correspondence regarding significant digits. David Nowak, USDA Forest Service to Barbara Braatz, ICF International. October 29, 2002.
- Nowak, D.J. (1994) "Atmospheric Carbon Dioxide Reduction by Chicago's Urban Forest." In: *Chicago's Urban Forest Ecosystem: Results of the Chicago Urban Forest Climate Project*. E.G. McPherson, D.J. Nowak, and R.A. Rowntree (eds.). General Technical Report NE-186. U.S. Department of Agriculture Forest Service, Radnor, PA. pp. 83–94.
- Nowak, D.J. (1986) "Silvics of an Urban Tree Species: Norway Maple (*Acer platanoides* L.)." M.S. thesis, College of Environmental Science and Forestry, State University of New York, Syracuse, NY.
- Nowak, D.J. and D.E. Crane (2002) "Carbon Storage and Sequestration by Urban Trees in the United States." *Environmental Pollution* 116(3):381–389.
- Nowak, D.J., D.E. Crane, J.C. Stevens, and M. Ibarra (2002) *Brooklyn's Urban Forest*. General Technical Report NE-290. U.S. Department of Agriculture Forest Service, Newtown Square, PA.
- Nowak, D.J., M.H. Noble, S.M. Sisinni, and J.F. Dwyer (2001) "Assessing the U.S. Urban Forest Resource." *Journal of Forestry* 99(3):37–42.
- Nowak, D.J., J.T. Walton, L.G. Kaya, and J.F. Dwyer (2005) "The Increasing Influence of Urban Environments on U.S. Forest Management." *Journal of Forestry* 103(8):377–382.
- Smith, W.B. and S.R. Shifley (1984) *Diameter Growth, Survival, and Volume Estimates for Trees in Indiana and Illinois*. Research Paper NC-257. North Central Forest Experiment Station, U.S. Department of Agriculture Forest Service, St. Paul, MN.
- Other: Changes in Yard Trimming and Food Scrap Carbon Stocks in Landfills**
- Barlaz, M.A. (2008) "Re: Corrections to Previously Published Carbon Storage Factors." Memorandum to Randall Freed, ICF International. February 28, 2008.
- Barlaz, M.A. (2005) "Decomposition of Leaves in Simulated Landfill." Letter report to Randall Freed, ICF Consulting. June 29, 2005.
- Barlaz, M.A. (1998) "Carbon Storage during Biodegradation of Municipal Solid Waste Components in Laboratory-Scale Landfills." *Global Biogeochemical Cycles* 12:373–380.
- Eleazer, W.E., W.S. Odle, Y. Wang, and M.A. Barlaz (1997) "Biodegradability of Municipal Solid Waste Components in Laboratory-Scale Landfills." *Environmental Science Technology* 31:911–917.
- EPA (2011) *Municipal Solid Waste Generation, Recycling, and Disposal in the United States: Tables and Figures for 2010*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Washington, DC. Available online at <<http://www.epa.gov/osw/nonhaz/municipal/msw99.htm>>.
- EPA (2006 through 2011) *Municipal Solid Waste in the United States: Facts and Figures*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Washington, DC. Available online at <<http://www.epa.gov/osw/nonhaz/municipal/msw99.htm>>.
- EPA (2005) *Municipal Solid Waste Generation, Recycling, and Disposal in the United States: Facts and Figures for 2003*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Washington, DC. Available online at <<http://www.epa.gov/osw/nonhaz/municipal/pubs/msw03rpt.pdf>>.
- EPA (2005a) *Municipal Solid Waste in the United States: 2003 Data Tables*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Washington, DC. Available online at <<http://www.epa.gov/osw/nonhaz/municipal/pubs/03data.pdf>>.
- EPA (2003) *Characterization of Municipal Solid Waste in the United States: 2001 Update*. (Draft.) U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Washington, DC.

EPA (1999) *Characterization of Municipal Solid Waste in the United States: 1998 Update*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Washington, DC.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC (2003) *Good Practice Guidance for Land Use, Land-Use Change, and Forestry*. The Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, J. Penman et al. (eds.). Available online at <<http://www.ipcc-nggip.iges.or.jp/public/gpplulucf/gpplulucf.htm>>.

Oshins, C. and D. Block (2000) "Feedstock Composition at Composting Sites." *Biocycle* 41(9):31–34.

Schneider, S. (2007, 2008) E-mail correspondence. Shelly Schneider, Franklin Associates, A Division of ERG and Sarah Shapiro, ICF International.

Tchobanoglous, G., H. Theisen, and S.A. Vigil (1993) *Integrated Solid Waste Management, 1st edition*. McGraw-Hill, NY. Cited by Barlaz (1998). Barlaz, M.A. (2008) "Re: Corrections to Previously Published Carbon Storage Factors." Memorandum to Randall Freed, ICF International. February 28, 2008.

Waste

Landfills

40 CFR Part 60, Subpart Cc (2005) Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills, 60.30c--60.36c, Code of Federal Regulations, Title 40. Available online at <http://www.access.gpo.gov/nara/cfr/waisidx_05/40cfr60_05.html>.

40 CFR Part 60, Subpart WWW (2005) Standards of Performance for Municipal Solid Waste Landfills, 60.750--60.759, Code of Federal Regulations, Title 40. Available online at <http://www.access.gpo.gov/nara/cfr/waisidx_05/40cfr60_05.html>.

Barlaz, M.A. (2006) "Forest Products Decomposition in Municipal Solid Waste Landfills." *Waste Management*, 26(4): 321-333.

Barlaz, M.A. (1998) "Carbon Storage During Biodegradation of Municipal Solid Waste Components in Laboratory-scale Landfills." *Global Biogeochemical Cycles*, 12(2): 373-380, June 1998.

BioCycle (2010) "The State of Garbage in America" By L. Arsova, R. Van Haaren, N. Goldstein, S. Kaufman, and N. Themelis. *BioCycle*. December 2010. Available online at <http://www.jgpress.com/archives/_free/002191.html>.

BioCycle (2008) "The State of Garbage in America" By L. Arsova, R. Van Haaren, N. Goldstein, S. Kaufman, and N. Themelis. *BioCycle*. December 2008. Available online at <http://www.jgpress.com/archives/_free/001782.html>.

BioCycle (2006) "15th Annual BioCycle Nationwide Survey: The State of Garbage in America" By P. Simmons, N. Goldstein, S. Kaufman, N. Goldstein, N. Themelis, and J. Thompson. *BioCycle*. April 2006.

Czepiel, P., B. Mosher, P. Crill, and R. Harriss (1996) "Quantifying the Effect of Oxidation on Landfill Methane Emissions." *Journal of Geophysical Research*, 101(D11):16721-16730.

EIA (2007) Voluntary Greenhouse Gas Reports for EIA Form 1605B (Reporting Year 2006). Available online at <<http://ftp.eia.doe.gov/pub/oiaf/1605/cdrom/>>.

EPA (2011) *Landfill Gas-to-Energy Project Database*. Landfill Methane and Outreach Program. July 2011.

EPA (2010) Municipal Solid Waste Generation, Recycling, and Disposal in the United States Detailed Tables and Figures for 2009. December 2010. Available online at <<http://www.epa.gov/osw/nonhaz/municipal/pubs/msw2009rpt.pdf>>.

EPA (1998) *Compilation of Air Pollution Emission Factors, Publication AP-42*, Section 2.4 Municipal Solid Waste Landfills. November 1998.

EPA (1993) *Anthropogenic Methane Emissions in the United States, Estimates for 1990: Report to Congress*, U.S.

Environmental Protection Agency, Office of Air and Radiation. Washington, DC. EPA/430-R-93-003. April 1993.

EPA (1988) *National Survey of Solid Waste (Municipal) Landfill Facilities*, U.S. Environmental Protection Agency. Washington, DC. EPA/530-SW-88-011. September 1988.

ERG (2011) Production Data Supplied by ERG for 1990-2009 for Pulp and Paper, Fruits and Vegetables, and Meat. August.

ICF International (2009) Updating Component-specific, First-order Decay Rates Used in Estimating *Changes in Yard Trimmings and Food Scrap Carbon Stocks in Landfills* (Deliverable under EPA Contract Number EP-W-07-068, Task Order 054, Task 03). Memorandum to M. Weitz (EPA), November 12, 2009.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC (2003) *Good Practice Guidance for Land Use, Land-Use Change and Forestry*, The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, J. Penman, M. Gytarsky, T. Hiraishi, T. Krug, D. Kruger, R. Pipatti, L. Buendia, K. Miwa, T. Ngara, K. Tanabe, and F. Wagner (eds.). Hayama, Kanagawa, Japan.

Mancinelli, R. and C. McKay (1985) "Methane-Oxidizing Bacteria in Sanitary Landfills." *Proc. First Symposium on Biotechnical Advances in Processing Municipal Wastes for Fuels and Chemicals*, Minneapolis, MN, 437-450. August.

Peer, R., S. Thorneloe, and D. Epperson (1993) "A Comparison of Methods for Estimating Global Methane Emissions from Landfills." *Chemosphere*, 26(1-4):387-400.

RTI (2011) Updated Research on Methane Oxidation in Landfills. Memorandum to R. Schmeltz (EPA), January 14, 2011.

RTI (2004) Documentation for Changes to the Methodology for the Inventory of Methane Emissions from Landfills. Memorandum to E. Scheehle (EPA), August 26, 2004.

Solid Waste Association of North America (SWANA) (1998) *Comparison of Models for Predicting Landfill Methane Recovery*. Publication No. GR-LG 0075. March 1998.

U.S. Bureau of Census (2010) International Database. August 2010. Available online at <<http://www.census.gov/ipc/www/idb/>>.

Wastewater Treatment

Ahn et al. (2010) N₂O Emissions from Activated Sludge Processes, 2008-2009: Results of a National Monitoring Survey in the United States. *Environ. Sci. Technol.* 44: 4505-4511.

Aguiar and Bartram (2008) Planned Revisions of the Industrial Wastewater Inventory Emission Estimates for the 1990-2007 Inventory. August 10, 2008.

Beecher et al. (2007) "A National Biosolids Regulation, Quality, End Use & Disposal Survey, Preliminary Report." Northeast Biosolids and Residuals Association, April 14, 2007.

Benyahia, F., M. Abdulkarim, A. Embaby, and M. Rao. (2006) Refinery Wastewater Treatment: A true Technological Challenge. Presented at the Seventh Annual U.A.E. University Research Conference.

CARB (2007) Attachments C TO F - Supplemental Materials Document for Staff Report: Initial Statement of Reasons for Rulemaking, Mandatory Reporting of Greenhouse Gas Emissions Pursuant to the California Global Warming Solutions Act of 2006 (Assembly Bill 32), Attachment E: Technical Attachment on Development of Emissions Reporting Requirements for Oil Refineries and Hydrogen Plants. California Environmental Protection Agency Air Resources Board, dated October 19, 2007, <http://www.arb.ca.gov/regact/2007/ghg2007/suppor.pdf>.

Donovan (1996) *Siting an Ethanol Plant in the Northeast*. C.T. Donovan Associates, Inc. Report presented to Northeast Regional Biomass Program (NRBP). (April). Available online at <<http://www.nrbp.org/pdfs/pub09.pdf>>. Accessed October 2006.

EIA. (2011) Energy Information Administration. U.S. Refinery and Blender Net Production of Crude Oil and

Petroleum Products (Thousand Barrels). Available online at: <http://tonto.eia.doe.gov/dnav/pet/hist/mttrpus1a.htm>. Accessed: August 2011.

EPA (1974) *Development Document for Effluent Limitations Guidelines and New Source Performance Standards for the Apple, Citrus, and Potato Processing Segment of the Canned and Preserved Fruits and Vegetables Point Source Category*. Office of Water, U.S. Environmental Protection Agency, Washington, DC, EPA-440/1-74-027-a. March 1974.

EPA (1975) *Development Document for Interim Final and Proposed Effluent Limitations Guidelines and New Source Performance Standards for the Fruits, Vegetables, and Specialties Segment of the Canned and Preserved Fruits and Vegetables Point Source Category*. United States Environmental Protection Agency, Office of Water. EPA-440/1-75-046. Washington DC, October 1975.

EPA (1992) *Clean Watersheds Needs Survey 1992 – Report to Congress*. Office of Wastewater Management, U.S. Environmental Protection Agency. Washington, DC.

EPA (1993) *Development Document for the Proposed Effluent Limitations Guidelines and Standards for the Pulp, Paper and Paperboard Point Source Category*. EPA-821-R-93-019. Office of Water, U.S. Environmental Protection Agency. Washington, DC. October 1993.

EPA (1996) *1996 Clean Water Needs Survey Report to Congress. Assessment of Needs for Publicly Owned Wastewater Treatment Facilities, Correction of Combined Sewer Overflows, and Management of Storm Water and Nonpoint Source Pollution in the United States*. Office of Wastewater Management, U.S. Environmental Protection Agency. Washington, DC. Available online at <<http://www.epa.gov/owm/mtb/cwns/1996rtc/toc.htm>>. Accessed July 2007.

EPA (1997a) *Estimates of Global Greenhouse Gas Emissions from Industrial and Domestic Wastewater Treatment*. EPA-600/R-97-091. Office of Policy, Planning, and Evaluation, U.S. Environmental Protection Agency. Washington, DC., September 1997.

EPA (1997b) *Supplemental Technical Development Document for Effluent Guidelines and Standards (Subparts B & E)*. EPA-821-R-97-011. Office of Water, U.S. Environmental Protection Agency. Washington, DC. October 1997.

EPA (1998) “AP-42 Compilation of Air Pollutant Emission Factors.” Chapter 2.4, Table 2.4-3, page 2.4-13. Available online at <<http://www.epa.gov/ttn/chief/ap42/ch02/final/c02s04.pdf>>.

EPA (1999) *Biosolids Generation, Use and Disposal in the United States*. Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency. Washington, DC, EPA530-R-99-009. September 1999.

EPA (2000) *Clean Watersheds Needs Survey 2000 - Report to Congress*. Office of Wastewater Management, U.S. Environmental Protection Agency. Washington, DC. Available online at <<http://www.epa.gov/owm/mtb/cwns/2000rtc/toc.htm>>. Accessed July 2007.

EPA (2002) *Development Document for the Proposed Effluent Limitations Guidelines and Standards for the Meat and Poultry Products Industry Point Source Category (40 CFR 432)*. EPA-821-B-01-007. Office of Water, U.S. Environmental Protection Agency. Washington, DC., January 2002.

EPA (2004a) *Clean Watersheds Needs Survey 2004 – Report to Congress*. U.S. Environmental Protection Agency, Office of Wastewater Management. Washington, DC.

EPA (2008) *Municipal Nutrient Removal Technologies Reference Document: Volume 2 – Appendices*. U.S. Environmental Protection Agency, Office of Wastewater Management. Washington, DC.

ERG (2006) Memorandum: Assessment of Greenhouse Gas Emissions from Wastewater Treatment of U.S. Ethanol Production Wastewaters. Prepared for Melissa Weitz, EPA. 10 October 2006.

Great Lakes-Upper Mississippi River Board of State and Provincial Public Health and Environmental Managers. (2004) *Recommended Standards for Wastewater Facilities (Ten-State Standards)*.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*,

- Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-XVI/Doc. 10 (1.IV.2000). May.
- Leverenz, H.L., G. Tchobanoglous, and J.L. Darby (2010) "Evaluation of Greenhouse Gas Emissions from Septic Systems". Water Environment Research Foundation, Alexandria, VA.
- Lockwood-Post (2002) Lockwood-Post's Directory of Pulp, Paper and Allied Trades, Miller-Freeman Publications. San Francisco, CA.
- Merrick (1998) Wastewater Treatment Options for the Biomass-to-Ethanol Process. Report presented to National Renewable Energy Laboratory (NREL). Merrick & Company. Subcontract No. AXE-8-18020-01. October 22, 1998.
- Metcalf & Eddy, Inc. (2003) *Wastewater Engineering: Treatment, Disposal and Reuse*, 4th ed. McGraw Hill Publishing.
- Metcalf & Eddy, Inc. (1991) *Wastewater Engineering: Treatment, Disposal and Reuse*, 3rd ed. McGraw Hill Publishing.
- Nemerow, N.L. and A. Dasgupta (1991) *Industrial and Hazardous Waste Treatment*. Van Nostrand Reinhold. NY. ISBN 0-442-31934-7.
- NRBP (2001) Northeast Regional Biomass Program. *An Ethanol Production Guidebook for Northeast States*. Washington, D.C. (May 3). Available online at <<http://www.nrbp.org/pdfs/pub26.pdf>>. Accessed October 2006.
- Paper 360^o (2007) "U.S. production rises slightly in December." March 2007. Available online at <[http://www.thefreelibrary.com/U.S.+production+rises+slightly+in+December.\(The+Pulse\)-a0161909243](http://www.thefreelibrary.com/U.S.+production+rises+slightly+in+December.(The+Pulse)-a0161909243)>. Accessed June 2007.
- Pulp and Paper (2006) "AF&PA projects more capacity losses this year, small gains in 2007-08." April 2006.
- Pulp and Paper (2005) "U.S. paper/board production rises in 2004 to 91.47 million tons." April 2005.
- Pulp and Paper (2003-2008) "Month in Statistics." January 2003-September 2008.
- Renewable Fuels Association (2011) Historic U.S. Fuel Ethanol Production. Available online at <<http://www.ethanolrfa.org/pages/statistics>>. Accessed August 2011.
- Ruocco (2006a) Email correspondence. Dr. Joe Ruocco, Phoenix Bio-Systems to Sarah Holman, ERG. "Capacity of Bio-Methanators (Dry Milling)." October 6, 2006.
- Ruocco (2006b) Email correspondence. Dr. Joe Ruocco, Phoenix Bio-Systems to Sarah Holman, ERG. "Capacity of Bio-Methanators (Wet Milling)." October 16, 2006.
- Scheehle, E.A., and Doorn, M.R. (2001) "Improvements to the U.S. Wastewater Methane and Nitrous Oxide Emissions Estimate." July 2001.
- Timm, C.M. (1985) Water use, conservation and wastewater treatment alternatives for oil refineries in New Mexico. NMERDI-2-72-4628.
- U.S. Census Bureau (2009) "American Housing Survey." Table 1A-4: Selected Equipment and Plumbing--All Housing Units. From 1989, 1991, 1993, 1995, 1997, 1999, 2001, 2003, 2005, 2007, and 2009 reports. Available online at <<http://www.census.gov/hhes/www/housing/ahs/nationaldata.html>>. Accessed August 2010.
- U.S. Census Bureau (2011) International Database. Available online at <<http://www.census.gov/ipc/www/idb/>> and <<http://www.census.gov/ipc/www/idbprint.html>>. Accessed August 2011.
- USDA (2009) Economic Research Service. U.S. Food Supply: Nutrients and Other Food Components, Per Capita Per Day. Washington DC. Available online at <<http://www.ers.usda.gov/Data/FoodConsumption/spreadsheets/nutrients07.xls#Totals!a1>>. Accessed August 2011.
- USDA (2011) National Agricultural Statistics Service. Washington, DC. Available online at <http://www.nass.usda.gov/Publications/Ag_Statistics/index.asp> and <http://www.nass.usda.gov/Data_and_Statistics/Quick_Stats/>. Accessed August 2011.
- USPoultry (2006) Email correspondence. John Starkey, USPOULTRY to D. Bartram, ERG. 30 August 2006.

White and Johnson (2003) White, P.J. and Johnson, L.A. Editors. Corn: Chemistry and Technology. 2nd ed. AACC Monograph Series. American Association of Cereal Chemists. St. Paul, MN.

World Bank (1999) *Pollution Prevention and Abatement Handbook 1998*, Toward Cleaner Production. The International Bank for Reconstruction and Development, The World Bank, Washington, DC. ISBN 0-8213-3638-X.

Composting

EPA (2010) *Municipal Solid Waste in the United States: 2009 Facts and Figures*. Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, Washington, DC. Available online at <<http://www.epa.gov/osw/nonhaz/municipal/pubs/msw2009rpt.pdf>>.

EPA (2009) *Municipal Solid Waste in the United States: 2008 Facts and Figures*. Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, Washington, DC. Available online at <<http://www.epa.gov/epaoswer/non-hw/muncpl/msw99.htm>>.

EPA (2008) *Municipal Solid Waste in the United States: 2007 Facts and Figures*. Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, Washington, DC. Available online at <<http://www.epa.gov/osw/nonhaz/municipal/pubs/msw07-rpt.pdf>>.

Franklin Associates (1997) *Characterization of Municipal Solid Waste in the United States: 1996 Update*. Report prepared for the U.S. Environmental Protection Agency, Municipal and Industrial Solid Waste Division by Franklin Associates, Ltd., Prairie Village, KS. EPA530-R-97-015. June 1997.

IPCC (2006) *2006 IPCC Guidelines for National Greenhouse Gas Inventories*. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

U.S. Census Bureau (2011) Resident Population Data: Population Change. Available online at <<http://2010.census.gov/2010census/data/apportionment-pop-text.php>>.

Waste Sources of Indirect Greenhouse Gas Emissions

EPA (2010) “2009 Average annual emissions, all criteria pollutants in MS Excel.” *National Emissions Inventory (NEI) Air Pollutant Emissions Trends Data*. Office of Air Quality Planning and Standards.

EPA (2009) “1970 - 2008 Average annual emissions, all criteria pollutants in MS Excel.” *National Emissions Inventory (NEI) Air Pollutant Emissions Trends Data*. Office of Air Quality Planning and Standards. Available online at <<http://www.epa.gov/ttn/chief/trends/index.html>>.

EPA (2003) E-mail correspondence containing preliminary ambient air pollutant data. Office of Air Pollution and the Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency. December 22, 2003.

EPA (1997) *Compilation of Air Pollutant Emission Factors, AP-42*. Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency. Research Triangle Park, NC. October 1997.