



PROFESSIONAL EXPERIENCE

JAMIE K. MEIL

Overview

Mr. Meil began his consulting practice, ANJACor Inc., in 1994 after working with Dow Chemical (Forest Management Specialist, 1983-84) and Forintek Canada Corp. (Senior Economist, 1984-1994). Mr. Meil has degrees in Forestry (B.Sc.For.) and Resource Economics (M.Sc.) from the University of Toronto.

Mr. Meil is also a co-founder of the Athena Sustainable Materials Institute and a Director of its affiliate, Athena Institute International. Mr. Meil is the prime developer of the Institute's *Impact Estimator for buildings* software - the only commercially available decision-support tool in North America that facilitates life cycle based whole building environmental assessment. Visit www.athenaSMI.org for a complete description of the software.

Mr. Meil has completed numerous government research and private consulting projects dealing with manufacturing efficiency, resource utilization, green building, international competitiveness, economic feasibility of new technologies, market research, strategic planning, technology forecasting and environmental/economic life-cycle assessment. Mr. Meil is an internationally recognized life cycle assessment expert and is often asked to lead third-party LCA panels. He has also worked extensively in the area of life cycle costing and on methods for marrying LCA impact indicators and LCC measures in a decision-making framework. Mr. Meil has published over 40 articles in various technical and trade journals.

Committees

Mr. Meil serves(ed) on a number of international committees related to life cycle assessment and the sustainability of the built environment:

- ◆ Member, International Life Cycle Panel, UNEP/SETAC Life Cycle Initiative
- ◆ Member, Ottawa Regional Chapter, Canada Green Building Council
- ◆ Member, Canadian SB08/Green Building Challenge Assessment Team
- ◆ Technical Committee Member, US Consortium for Research on Renewable Industrial Materials (CORRIM)

A Selection of Reports/Publications

(with Jane Thompson Architect) 2008. Kahnawà:ke – Development Design and Infrastructure Review. Prepared for Environment Protection Office, Kahnawà:ke Mohawk Territory.

(with L. Bushi) 2008. A Cradle-to-Gate Life Cycle Assessment of Canadian Softwood Plywood and Oriented Strand Board. Prepared for FP Innovations, Forintek Division Vancouver, BC.

(with Marbek Resource Consultants & Jane Thompson Architect) 2007. Life Cycle Environmental Impacts of the Canadian Housing Sector. Prepared for Canada Mortgage and Housing Corporation (CMHC) Ottawa, ON.

(with L. Bushi) 2007. Carbon Footprint Quantification, Reporting and GHG Assertion Statement for Western Cedar Manufacturing Facility and Products. Prepared for Shakertown Inc., Winlock WA.

2007. A Life Cycle Assessment of Synthetic Turf Systems. Confidential client report prepared in collaboration with the Rocky Mountain Institute.

2007. Mountain Equipment Co-Op Distribution Centre Construction & Site Development Carbon Offset Quantification. Report prepared for Mountain Equipment Co-Op, Vancouver, BC.

(with L. Bushi) 2007. A Life Cycle Assessment of Western Red Cedar Shake and Shingle Roofing Products. Prepared for the Cedar Shake and Shingle Bureau, Mission, BC.

(with L. Bushi) 2007. Estimating the Required Global Warming Offsets to Achieve a Carbon Neutral Synthetic Field Turf System Installation. Report prepared for Upper Canada College, Toronto, ON.

2007. Developed a web-enabled life cycle costing software and user's guide – the GreenSave Calculator – for Green Roofs for Healthy Cities, Toronto, ON, <http://www.greenroofs.org>.

2006. A Life Cycle Perspective on Concrete and Asphalt Roadways. Prepared for the Cement Association of Canada.
(<http://www.cement.ca/cement.nsf/e/6EC79DC8AE03A782852572B90061B914?OpenDocument>)

2006. Developed a life cycle costing guide and software for greening residential construction. Prepared for Canada Mortgage and Housing Corporation (CMHC).

2005. Road Rehabilitation Energy Reduction Guide for Canadian Road Builders. Prepared for Canadian Industry Program for Energy Conservation, Natural Resources Canada, in collaboration with the Canadian Construction Association. (<http://oee.nrcan.gc.ca/industrial/technical-info/benchmarking/roadrehab/index.cfm>)

2005. A 30 year technology review of advancement in wood product processing. Forest Products Journal Vol. 57 No. 7/8 83:89.

2005. A Life Cycle Environmental and Economic Assessment of Optimum Value Engineering in Houses. Forest Prod. J. 56(9).

(with CORRIM members) 2004. CORRIM: Life Cycle Environmental Performance of Renewable Materials in Foerst Products Journal Vol.54 No.6.

2004. Developed a life cycle costing primer and software for the Evergreen Foundation.

2004. Developed life cycle costing guidelines and software used to assess green technologies for incorporation in Regent Park redevelopment. Also prepared green roof life cycle costing team report. Prepared for Dillon Consulting Limited.

(with M. Lucuik) 2004. A Full Life Cycle Environmental and Cost Evaluation of Commercial Wall Envelope Systems. In, Building IX (THERM) conference proceedings. Clearwater, Florida December, 2004.

2003. A Life Cycle Environmental Impact Comparison of 1970s & R2000 House Designs. CHBA Magazine, Spring.

(with W. B. Trusty) 2000. Whole Building Life Cycle Assessment. In RILEM/CIB/ISO Proceedings: Integrated Life Cycle Design of Materials and Structures (ILCDES 2000) Helsinki, Finland. 5pp.

(with W. B. Trusty, and G. A. Norris) 1998. ATHENA: A LCA Decision Support Tool for the Building Community, *Proceedings: Green Building Challenge '98 - An International Conference on the Performance Assessment of Buildings*. Vancouver, B.C., October 26 - 28, 8pp

(with Venta, G., and W. B. Trusty) 1997, 'Life Cycle Analysis of Structural Concrete and Gypsum Building Products - ATHENA™ Building Materials Project', *Proceedings: IBAUSIL, 13th International Conference on Building Materials*, Weimar, Germany, Sept., 11pp.

(with W. B. Trusty) 1997. ATHENA™: An LCA Decision Support Tool - Application, Results and Issues', *Proceedings: Second International Conference on Buildings and the Environment*. Sponsored by CSTB and CIB TG8, Paris, France, June, 12pp.

1995. Building Materials in the Context of Sustainable Development: An Overview of the Research Program and Model, *Life-Cycle Analysis (LCA) - a Challenge for Forestry and Forest Products*: Proceedings of an International Workshop sponsored by the European Union, the European Forest Institute and the University of Hamburg. Hamburg, Germany, May, 18pp.

1994. *A study of wood/steel substitution effects on greenhouse gas emissions in the Canadian commercial building sector*. Briefing paper prepared for the Canadian Forest Service.

1993. *Environmental measures as substitution criteria for wood and non-wood building products*. Proceedings: The Globalization of Wood: Supply, Processes, Products, and Markets, pp53-60.

1993. *Raw Material, energy and environmental profiles for structural wood products*. A Contract report prepared for Forestry Canada, March, 55pp.