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Sustainable Housing:
A Selective
Bibliography

Le Logement durable :
une bibliographie
sélective



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Sustainable Housing: A Selective Bibliography

Le Logement durable : une bibliographie sélective

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INTRODUCTION

This bibliography lists items published on the topic of Sustainable Housing from 1998 to date which are included in the library collection of the Canadian Housing Information Centre.

“Sustainable Housing” was interpreted to include high performance housing, green and ecological housing, energy efficient housing, net zero housing, housing that uses renewable energy sources including solar and wind energy, and covering all aspects of sustainability (communities as well as individual house construction).

The bibliography is first organized in chronological order with the most current years appearing first. Under each year, items are listed by the author or organization responsible for their production. Each bibliographic citation ends with the Centre’s call number or location code listed in brackets. A list of Periodicals that deal with Sustainable Housing can be found at the end of the bibliography.

INTRODUCTION

Cette bibliographie est constituée d'ouvrages qui ont été publiés sur le thème du logement durable depuis 1998 et qui figurent dans la collection du Centre canadien de documentation sur l'habitation.

Par « logement durable », on entend des bâtiments résidentiels à haut rendement, verts, écologiques et éconergétiques, notamment les habitations à consommation énergétique nette zéro, ainsi que les habitations qui font usage de sources d'énergie renouvelables telles que le soleil et le vent. Tous les aspects du développement durable sont touchés (tant sur le plan des collectivités que sur celui de la construction individuelle de maisons).

Cette bibliographie est d'abord organisée par ordre chronologique, les années les plus récentes apparaissant en premier. Sous chaque année, les titres sont énumérés par auteur ou organisme responsable de leur production. Chaque référence bibliographique se termine par la cote du CCDH ou le code d'emplacement placé entre parenthèses. On trouvera à la fin de la bibliographie une liste de périodiques publiant des articles qui traitent des logements durables.

2009

Bartmann, Dan and Fink, Dan. **Homebrew Wind Power: A Hands-on Guide to Harnessing the Wind.** Masonville, CO: Buckville Publications, 2009. Description 320 p. (TJ828 B37 2009)

Calkins, Meg. **Materials for Sustainable Sites: A Complete Guide to the Evaluation, Selection, and Use of Sustainable Construction Materials.** Hoboken, N.J.: Wiley, c2009. Description vi, 457 p. (TH880 C35 2009)

Contents Materials for sustainable sites defined -- Background : inputs, outputs and impacts of construction materials -- Evaluating the environmental and human health impacts of materials -- Resource reuse : designing with and specifying reclaimed, reprocessed and recycled-content materials -- Concrete -- Earthen materials -- Brick masonry -- Asphalt pavement -- Aggregates and stone -- Wood and wood products -- Metals -- Plastics and rubber -- Biobased materials / by Ruth Stafford.

Canada Mortgage and Housing Corporation. **Equilibrium™ Project Overview: The Green Dream Home - Kamloops, British Columbia.** Ottawa: The Corporation, c2009. Description 4 p. (Pamphlet 66409)

_____. **Equilibrium™ Project Overview: Harmony House - Burnaby, British Columbia.** Ottawa: Canada Mortgage and Housing Corporation, c2009. Description 4 p. (Pamphlet 66407)

_____. **Equilibrium™ Project Overview: The Moncton VISION Home - Moncton, New Brunswick.** Ottawa: Canada Mortgage and Housing Corporation, c2009. Description 4 p. (Pamphlet 66403)

Canada Mortgage and Housing Corporation. Policy and Research Division. **Approaching Net-Zero Energy in Existing Housing.** Rev. Research Highlight. Technical Series; 08-104. Ottawa: The Division, 2009. Description 6 p. (CaI MH116 08H104a)

Société canadienne d'hypothèques et de logement. **Equilibrium^{MC} Aperçu du projet : La Green Dream Home - Kamloops (Colombie - Britannique).** Ottawa : La Société, c2009. Description 4 p. (Pamphlet 66410)

_____. **Equilibrium^{MC} Aperçu du projet : Maison Harmony House - Burnaby (Colombie-Britannique).** Ottawa : Société canadienne d'hypothèques et de logement, c2009. Description 6 p. (Pamphlet 66408)

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- 2009** Société canadienne d'hypothèques et de logement. Division des politiques et de la recherche. **Vers une consommation énergétique nette de zéro dans les maisons existantes.** Le Point en recherche. Série technique ; 08-104. Révision. Ottawa : La Division, 2009. Description 6 p. (Ca1 MH116 08H104f)
- Yudelson, Jerry. **Green Building Through Integrated Design.** McGraw-Hill's GreenSource Series. New York: McGraw-Hill, c2009. Description xvii, 261 p. (TH880 Y635 2009)
- 2008** Baker-Laporte, Paula; Elliott, Erica; and Banta, John. **Prescriptions for a Healthy House: A Practical Guide for Architects, Builders & Homeowners.** 3rd rev. ed. Gabriola Island, B.C.: New Society Publishers, c2008. Description xxiii, 327 p. (TH4812 B35 2008)
- Bennett, Clayton. **Greening Your Home: Sustainable Options for Every System in Your House.** New York: McGraw-Hill, c2008. Description xiii, 153 p. (TJ163.5.D86 B456 2008)
- Bridgewater, Alan and Bridgewater, Gill. **The Off-grid Energy Handbook.** London: New Holland Publishers, 2008. Description 191 p. (TJ808 B74 2008)
- Canada. Affaires indiennes et du Nord Canada. **Lignes directrices sur l'utilisation des terres du Nord. Cadre administratif.** Ottawa : Affaires indiennes et du Nord Canada ; Publ. en collaboration avec : Interlocuteur fédéral auprès des Métis et des Indiens non inscrits, 2008. Description 31 feuilles (Ca1 IA 08N54f)
- Canada. Indian and Northern Affairs Canada. **Northern Land Use Guidelines. Administrative Framework.** Ottawa: Indian and Northern Affairs Canada; co-published by: Federal Interlocutor for Métis and Non-Status Indians, 2008. Description 31 leaves (Ca1 IA 08N54)
- Canada Mortgage and Housing Corporation. **CMHC Energy-Efficient Homes.** Ottawa: The Corporation, 2008. Description 2 p. (Pamphlets 65626)
- _____. **CMHC Energy-Efficient Homes.** Ottawa: Canada Mortgage and Housing Corporation, 2008. Description 3 p. (Pamphlets 63762)
- _____. **Equilibrium™: Healthy Housing for a Healthy Environment: New Housing for a Changing World.** Revised. Ottawa: Canada Mortgage and Housing Corporation, 2008. Description 4 p. (Pamphlets 65019 2008)
- _____. **Equilibrium™ Project Profile: Avalon Discovery 3 - Red Deer, Alberta.** Ottawa: Canada Mortgage and Housing Corporation, c2008. Description 8 p. (Pamphlet 65602)

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_____. **Equilibrium™ Project Profile: ÉcoTerra™ - Eastman, Quebec.** Revised. Ottawa: Canada Mortgage and Housing Corporation, 2008, c2007. Description 8 p. (Pamphlet 65594)

_____. **Equilibrium™ Project Profile: Inspiration - The Minto Ecohome - Ottawa, Ontario.** Ottawa: Canada Mortgage and Housing Corporation, c2008. Description 8 p. (Pamphlet 66089)

_____. **Equilibrium™ Project Profile: Now House™ - Toronto, Ontario.** Ottawa: Canada Mortgage and Housing Corporation, c2008. Description 8 p. (Pamphlet 65596)

_____. **Equilibrium™ Project Profile: Riverdale NetZero Project - Edmonton, Alberta.** Ottawa: Canada Mortgage and Housing Corporation, c2008. Description 8 p. (Pamphlet 65521)

_____. **How to Develop Effective Sustainable Community Planning Charrettes = Comment élaborer des charrettes efficaces pour planifier des collectivités durables.** Ottawa: Canada Mortgage and Housing Corporation = Société canadienne d'hypothèques et de logement, 2008. Description 1 CD-ROM (Cd-rom HT169.C3 H69 2008)

Canada Mortgage and Housing Corporation. Policy and Research Division. **Analysis of Renewable Energy Potential in the Residential Sector Through High-Resolution Building-Energy Simulation.** Research Highlight. Technical series; 08-106. Ottawa: The Division, 2008. Description 10 p. (Ca1 MH116 08H106)

Canadian Solar Industries Association. **Canadian Solar Industry Directory 2008.** Toronto: Naylor (Canada) Inc., 2008. (Reference HD9681.C3 C35)

College of Estate Management (Reading, England). **Knock It Down or Do It Up?: Sustainable House Building: New Build and Refurbishment in the Sustainable Communities Plan.** Prepared by Frances Plimmer ... et al.; with additional input from Philip Leverton, Henry Russell, Adrian Smith. Watford: BRE Trust, 2008. Description x, 62 p. (UK1 EN90 08K52)

Condon, Patrick M. **Design Charrettes for Sustainable Communities.** Washington, DC: Island Press, c2008. Description xviii, 172 p. (HT166 C62135 2008)

Deacon, Gillian. **Green for Life: 200 Simple Eco-ideas for Every Day.** Toronto: Penguin Group, 2008. Description xiv, 266 p. (GF78 D43 2008)

2008

- DeGunther, Rik. **Energy Efficient Homes for Dummies**. Hoboken, N.J.: Wiley Publishing, c2008. Description xxii, 357 p. (TJ163.5.D86 D43 2008)
- _____. **Solar Power Your Home for Dummies**. Hoboken, N.J.: Wiley, c2008. Description xviii, 366 p. (TK1087 D43 2008)
- Dupuy, Ginette. **Habitat sain et écologique**. Montréal : Éditions Quebecor, c2008. Description 295 p. (TH4860 D86 2008)
- Durand, Michel. **Guide de la maison verte : pour une habitation responsable**. Montréal : Éditions La Presse, 2008. Description xii, 339 p. (TH4860 D87 2008)
- Energy Sector Sustainability Table (Canada). Energy Efficiency Working Group. **Energy Efficiency and Energy Affordability for Low-Income Households**. Energy Efficiency Working Group Issue Papers; Issue Paper 6. Gatineau, Québec: The Group, 2008. Description ii, 13 p. (Ca1 EP232 08P06)
- Farr, Douglas, ed. **Sustainable Urbanism: Urban Design with Nature**. Hoboken, N.J.: Wiley, c2008. Description 304 p. (HT241 S9 2008)
- Foliente, Greg C., ... eds. **Proceedings of the 2008 World Sustainable Building Conference**. Melbourne: World SB08, 2008. Description 1 CD-ROM (Cd-rom TH880 W67 2008)
- Fotinov, Vadim and Fotinov, Svetlana. **EcoLink: Dictionary of English Acronyms and Abbreviations and Internet Research Guide: Ecology and Environment**. Ottawa: Fotinov & Fotinov Ltd., 2008. Description 348 p. (Reference QH540.4 F68 2008)
- Freed, Eric Corey. **Green Building & Remodeling for Dummies**. Hoboken, N.J.: Wiley Publishing, c2008. Description xviii, 361 p. (TH880 F73 2008)
- Gevorkian, Peter. **Solar Power in Building Design: The Engineer's Complete Design Resource**. A GreenSource Book. New York: McGraw Hill, c2008. Description xxvii, 476 p. (TK1087 G48 2008)
- Girardet, Herbert. **Cities People Planet: Urban Development and Climate Change**. 2nd ed. Chichester; New York: John Wiley & Sons, c2008. Description viii, 320 p. (HT166 G57 2008)
- Glavinich, Thomas E. **Contractor's Guide to Green Building Construction: Management, Project Delivery, Documentation, and Risk Reduction**. Hoboken, N.J.: John Wiley, c2008. Description xxiii, 262 p. (TH880 G53 2008)

2008

Green Homes: Your Complete Guide to Creating a Low-Energy Home.

Homebuilding & Renovating Magazine. Elington, Cambridgeshire: Ovolo Publishing, c2008. Description 247 p. (TH4860 G72 2008)

GreenSource. **Emerald Architecture: Case Studies in Green Building.**

GreenSource, the Magazine of Sustainable Design. New York: McGraw-Hill, c2008. Description ix, 166 p. (TH880 E47 2008)

Harley, Bruce. **Cut Your Energy Bills Now: 150 Smart Ways to Save Money & Make Your Home More Comfortable & Green.**

Newtown, CT: Taunton, c2008. Description 122 p. (TJ163.5.D86 H27 2008)

Hren, Stephen and Hren, Rebekah. **The Carbon-Free Home: 36**

Remodeling Projects to Help Kick the Fossil-Fuel Habit. White River Junction, Vt.: Chelsea Green Pub., c2008. Description xix, 260 p. (TJ163.5.D86 H73 2008)

Hyde, Richard, ed. **Bioclimatic Housing: Innovative Designs for Warm**

Climates. London; Sterling, VA: Earthscan, 2008. Description xxxvi, 440 p. (TH4860 B57 2008)

Industrial Economics Inc. **Smart Growth, Liveable and Sustainable**

Communities for Seniors. Prepared by Industrial Economics, Incorporated in collaboration with Gloria Gutman for Canada Mortgage and Housing Corporation. Ottawa: The Corporation, 2008. Description 2 pts. (Ca1 MH 08S53)

Summary This research investigated the relationship between smart growth concepts and the creation of livable and sustainable communities that would facilitate aging in place. Based on the findings of a literature review and focus groups with seniors, the researchers developed a set of indicators to measure the extent to which a community's built environment benefits seniors' health, quality of life, and well-being. The researchers interviewed 30 planners and other experts who provided feedback on the indicators and helped to refine them. After conducting a pilot test with two communities to gather feedback on the utility of the indicators and the availability of the data required to support their use, the researchers incorporated this information to develop a revised set of indicators. Local planners can use these indicators as a tool for setting goals related to the built environment needs of an aging population and for tracking progress against those goals.

Johnston, David and Gibson, Scott. **Green from the Ground Up:**

Sustainable, Healthy, and Energy-Efficient Home Construction. Newtown, CT: Taunton Press, c2008. Description 330 p. (TH4860 J63 2008)

Jones, Leslie. **Capter le soleil : techniques solaires passives et modèles de**

maisons. Rév. Ottawa : Société canadienne d'hypothèques et de logement : Ressources naturelles Canada, 2008. Description 117 p. + CD-ROM (Ca1 MH 08T17f)

2008

Résumé Ce manuel porte sur tous les aspects à prendre en considération pour concevoir et réaliser des maisons solaires passives : rayonnement solaire, collecte de l'énergie solaire et performance des fenêtres, stockage et diffusion de la chaleur, ombrage et confort en été, points à envisager dans le choix des fenêtres, intégration de la conception et planification de l'emplacement, sur chauffe. Il offre également 20 modèles d'habitations de trois types: maison individuelle, maison jumelée et maison en rangée. En publiant ce manuel, la SCHL veut faciliter l'utilisation de l'énergie solaire dans une habitation. Bien qu'une large part du manuel renferme des renseignements qu'intéresseront les concepteurs et les constructeurs d'habitations, les propriétaires-occupants y trouveront aussi d'utiles conseils pratiques et une introduction à l'énergie solaire en général. Comprend un CD-ROM renfermant les éléments suivants: -l'Aide-mémoire du confort intérieur, un programme tournant sur Excel qui évalue la bonne surface de fenêtre pour une maison dont on planifie la construction; -le manuel de l'utilisateur du logiciel; -la base de données qui dresse la liste des fabricants de fenêtres, de leurs gammes de produits et de toutes leurs spécifications, y compris les données relatives aux gains solaires et aux déperditions thermiques; -des fichiers sur la maison saine renfermant de l'information utile sur la conception d'habitations fondée sur les cinq principales de la Maison saine; on y trouve les images et des descriptions graphiques de la Maison saine de la SCHL à Toronto, laquelle illustre l'utilisation concrète de techniques solaires passives; -le manuel *Capter le soleil : Techniques solaires passives et modèles de maisons* proprement dit, lequel est pleinement interrogeable; et -les modèles de maisons.

Jones, Leslie. **Tap the Sun: Passive Solar Techniques and Home Designs.**
Rev. Ottawa: Canada Mortgage and Housing Corporation: Natural Resources Canada, 2008. Description 117 p. + CD-ROM (Ca1 MH 08T17)

Summary This book covers all aspects to consider with respect to passive solar house designs and techniques: solar radiation, solar energy collection and window performance, heat storage and distribution, shading and summer comfort, window selection considerations, design integration and site planning, overheating. It also includes 20 sample house designs of three varieties: detached; semi-detached and townhomes. The purpose of this book is to help make the best use of the sun's energy in a home. While much of the book contains information of interest to house designers and builders, homeowners will also find it valuable for its practical tips and as a primer on solar energy in general. Includes a CD-ROM that contains the following: -the Comfort Design Checker Software, an Excel-based program that estimates the appropriate window area for a planned house; - the program's user manual; -a database that lists window manufacturers and their product lines with all their specifications including data relevant to solar heat gain and heat loss; -Healthy Housing files containing useful information on house design based on five Healthy Housing principles. These include images and graphic descriptions of CMHC's Healthy House in Toronto, which illustrates passive solar techniques in use; -the *Tap the Sun: Passive Solar Techniques and Home Designs* book itself, which is fully searchable; and -the house designs.

2008

- Krigger, John T. and Dorsi, Chris. **The Homeowner's Handbook to Energy Efficiency: A Guide to Big and Small Improvements.** Helena, MT: Saturn Resource Management, c2008. Description 179 p. (TJ163.5.D86 K735 2008)
- Krygiel, Eddy and Nies, Brad. **Green BIM: Successful Sustainable Design with Building Information Modeling.** Indianapolis, Ind.: Wiley Technology Pub., c2008. Description xix, 241 p. (TH880 K79 2008)
- LaGro, James A. **Site Analysis: A Context-Sensitive Approach to Sustainable Site Planning and Design.** 2nd ed. Hoboken, N.J.: John Wiley & Sons, c2008. Description xii, 371 p. (NA2540.5 L34 2008)
- Leinberger, Christopher B. **The Option of Urbanism: Investing in a New American Dream.** Washington, DC: Island Press, c2008. Description xi, 207 p. (HT384.U5 L45 2008)
- Lengen, Johan van. **The Barefoot Architect: A Handbook for Green Building.** Bolinas, Calif.: Shelter Publications, c2008. Description 705 p. (TH880 L46 2008)
- Mayhew, Wil and Campbell, Elisa. **Sun Living: Developing Neighbourhoods with a One Planet Footprint.** S.l.: Christenson Publications, c2008. Description xi, 90 p. (HT241 M39 2008)
- Mueller, Phyllis and Melaver, Martin, eds. **The Green Building Bottom Line: The Real Cost of Sustainable Building.** McGraw-Hill's GreenSource Series. New York: McGraw-Hill, c2009. Description xviii, 359 p. (TH880 G743 2009)
- O'Brien, Kathleen Anne and Smith, Kathleen Frances. **The Northwest Green Home Primer.** Portland, Or.: Timber Press, 2008. Description 300 p. (TH4860 O27 2008)
- Contents The case for green building -- Starting out with green in mind -- Managing your green home project, part 1 -- Managing your green home project, part 2 -- Green energy choices for the Northwest -- Planning a green remodel -- Purchasing a new green home -- Site choices -- The building enclosure -- Operating systems for your home -- Interiors -- Operations and maintenance.
- Riolet, Emmanuel. **L'énergie solaire et photovoltaïque pour le particulier.** Paris : Eyrolles, c2008. Description vi, 123 p. (TK1087 R56 2008)
- Rogers, Peter P.; Jalal, Kazi F.; and Boyd, John A. **An Introduction to Sustainable Development.** London; Sterling, VA: Earthscan, 2008. Description 416 p. (HC79.E5 R63134 2008)

2008

Roy, Robert L. **Stoneview: How to Build an Eco-friendly Little Guesthouse.** Gabriola, B.C.: New Society Publishers, c2008. Description xvi, 205 p. (TH4860 R69 2008)

Schmidt, Philip. **The Complete Guide to a Green Home: The Good Citizen's Guide to Earth-Friendly Remodeling & Home Maintenance.** Minneapolis, Minn.: Creative Pub. International, c2008. Description 239 p. (TH4860 S36 2008)

Slone, Daniel K. and Goldstein, Doris S. with Gowder, W. Andrew. **A Legal Guide to Urban and Sustainable Development for Planners, Developers, and Architects.** Hoboken, N.J.: Wiley, c2008. Description xv, 352 p. (KF5692 S57 2008)

Contents To suburbia and back : how urbanist law is different -- Sustainable urbanism / Dan Slone. Case study, the navy yard at Noisette -- Tweaking the system: getting projects built and codes changed within the existing zoning framework / Chris Brewster, Matt Lawlor, Brian Ohm, and Mark White -- Changing the rules : new approaches to zoning. Introduction / Brian Ohm and Mark White. Form-based codes / Bob Sitkowski and Bill Spikowski. The smart code / Chad Emerson -- Fiefdoms and fire trucks : overcoming impediments in the subdivision, plan review, and site plan processes / Dan Slone -- Retooling the common interest community / Doris Goldstein. Case study, Seaside -- Special building types / Doris Goldstein -- Litigation / Andy Gowder. Case study, I on -- Federal policy, initiatives and alliances / Chris Brewster and Matt Lawlor -- Strategies for change / Dan Slone.

Smith, Carl; Clayden, Andy; and Dunnett, Nigel. **Residential Landscape Sustainability: A Checklist Tool.** Oxford; Malden, MA: Blackwell, c2008. Description vii, 197 p. (SB472.45 S64 2008)

Société canadienne d'hypothèques et de logement. **Equilibrium^{MC} Caractéristiques du concept : Avalon Discovery 3 - Red Deer (Alberta).** Ottawa : La Société, c2008. Description 8 p. (Pamphlet 65603)

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2008

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_____. **Habitations éconergétiques SCHL**. Ottawa : Société canadienne d'hypothèques et de logement, 2008. Description 3 p. (Pamphlets 63763)

_____. **Habitations éconergétiques SCHL**. Ottawa : Société canadienne d'hypothèques et de logement, 2008. Description 2 p. (Pamphlets 65627)

Société canadienne d'hypothèques et de logement. Division des politiques et de la recherche. **Analyse des possibilités en matière d'énergie renouvelable dans le secteur résidentiel au moyen d'une simulation énergétique de bâtiment à haute résolution**. Le Point en recherche. Série technique ; 08-106. Ottawa : La Division, 2008. Description 10 p. (CaI MH116 08H106f)

Suzuki, David and Boyd, David R. **David Suzuki's Green Guide**. Vancouver: Greystone Books; David Suzuki Foundation, c2008. Description ix, 175 p. (TD171.7 S99 2008)

Suzuki, David et Boyd, David R. **Suzuki : le guide vert : comment réduire votre empreinte écologique**. Traduit de l'anglais (Canada) par Serge Paquin. Montréal : Boréal, c2008. description 218 p. (TD171.7 S9913 2008)

Table sur le développement durable du secteur de l'énergie (Canada). Groupe de travail sur l'efficacité énergétique. **Efficacité énergétique et énergie abordable pour les foyers à faible revenu**. Documents de fond du Groupe de travail sur l'efficacité énergétique ; doc. de fond no 6. Gatineau, Québec : Le Groupe, 2008. Description iv, 14 p. (CaI EP232 08P06f)

Thompson, J. William and Sorvig, Kim. **Sustainable Landscape Construction: A Guide to Green Building Outdoors**. 2nd ed. Washington, D.C.: Island Press, c2008. Description xxvii, 381 p. (TH380 T46 2008)

Tissot, Michel. **Le guide de l'énergie solaire : [i.e. thermique] et photovoltaïque**. Paris : Eyrolles, c2008. Description 163 p. (TJ810 T57 2008)

TRADA Technology. **Timber and the Sustainable Home: Eight Architects Debate the Challenges Ahead**. High Wycombe, Buckinghamshire: TRADA Technology, 2008. Description 51 p. (NA7173 T55 2008)

2008

Urban Land Institute. **Costs and Benefits of Green/Sustainable Development: Selected References, April 2008.** ULI Infopacket Series; Infopacket no. 3033. Washington, D.C.: ULI, 2008. Description 1 v. (various pagings) (TH880 C67 2008)

_____. **Green Roofs: Selected References, January 2008.** ULI Infopacket Series; infopacket no. 3031. Washington, D.C.: Urban Land Institute., 2008. Description 1 v. (various pagings) (SB419.5 G77 2008)

_____. **Retrofitting Buildings to be Green: Selected References, March 2008.** ULI Infopacket Series; Infopacket no. 3027. Washington, D.C.: Urban Land Institute, 2008. Description 1 v. (various pagings) (TJ163.5.B84 R45 2008)

Vu, Brigitte. **La maison à énergie zéro.** Paris : Eyrolles, 2008. Description iii, 68 p. (TJ163.5.D86 V9 2008)

Wagner, John D. **Green Remodeling: Your Start Toward an Eco-friendly Home.** Upper Saddle River, N.J.: Creative Homeowner, c2008. Description 207 p. (TH4816 W33 2008)

Yudelson, Jerry. **Choosing Green: The Homebuyer's Guide to Good Green Homes.** Gabriola Island, B.C.: New Society Publishers, c2008. Description xviii, 237 p. (TH4860 Y83 2008)

_____. **The Green Building Revolution.** Washington: Island Press, c2008. Description xxiii, 242 p. (TH880 Y634 2008)

2007

Abbas, Abdelgadir Ahmed. **Durability of Green Concrete as a Structural Material.** Thesis (Ph.D.) --Carleton University, Ottawa, Ont., 2007. Ann Arbor, MI: UMI Dissertation Services, 2007. Description xxv, 411 p. (TA439 A22 2007)

American Society of Heating, Refrigerating and Air-Conditioning Engineers. **Energy-Efficient Design of Low-Rise Residential Buildings.** ASHRAE Standard; 90.2-2007. Atlanta, GA: The Society, c2007. Description 45 p. (TJ163.5.D86 A45 2007)

Anderson, Will. **Green Up!: An A-Z of Environmentally Friendly Home Improvements.** Totnes: Green, 2007. Description 143 p. (TH6057.A6 A52 2007)

Bernstein, Daniel ... et al. **Traité de construction durable : principes, détails de construction.** Paris : Éditions Le Moniteur, c2007. Description 814 p. (TH880 T72 2007)

Broome, Jon. **The Green Self-Build Book: How to Design and Build Your Own Eco-home.** Totnes, Devon: Green Books, 2007. Description 288 p. (TH4860 B76 2007)

2007

Bullard, Robert D., ed. **Growing Smarter: Achieving Livable Communities, Environmental Justice, and Regional Equity.** Urban and Industrial Environments Series. Sustainable Metropolitan Communities Books. Cambridge, Mass.: MIT Press, c2007. Description xvii, 407 p. (HT384.U5 G76 2007)

Canada. Office de l'efficacité énergétique. **Amélioration du rendement énergétique des fenêtres : pourquoi devrais-je me préoccuper de mes fenêtres?** Ottawa : Ressources naturelles Canada, Office de l'efficacité énergétique, c2007. Description 11 p. (CaI MS300 07158f)

_____. **Subventions pour les propriétaires de résidences.** Ottawa : Office de l'efficacité énergétique, Ressources naturelles Canada, c2007. Description 10 p. (CaI MS300 07G66f)

Canada. Office of Energy Efficiency. **Grants for Residential Property Owners.** Ottawa: The Office, c2007. Description 10 p. (CaI MS300 07G66)

_____. **Improving Window Energy Efficiency: Why Should I Worry About My Windows?** Ottawa: Natural Resources Canada, Office of Energy Efficiency, c2007. Description 11 p. (CaI MS300 07158)

Canada Mortgage and Housing Corporation. **Before You Start an Energy Efficient Retrofit --The Building Envelope.** Rev. 2007. About Your House; CE 28j. Ottawa: The Corporation, 2007. Description 8 p. (CaI MH7 07P28j)

_____. **CMHC Energy-Efficient Multi-unit Housing.** Ottawa: Canada Mortgage and Housing Corporation, 2007. Description 2 p. (Pamphlets 65898)

_____. **Equilibrium: Healthy Housing for a Healthy Environment.** About Your House; CE 70. Ottawa: Canada Mortgage and Housing Corporation, c2007. Description 4 p. (CaI MH7 07P70)

_____. **Equilibrium: Healthy Housing for a Healthy Environment: New Housing for a Changing World.** Ottawa: Canada Mortgage and Housing Corporation, 2007. Description 4 p. (Pamphlets 65019)

_____. **Healthy Housing: Practical Tips for Your Home = Maisons saines : conseils pratiques.** Rev. 2007 = Révision 2007. Ottawa: Canada Mortgage and Housing Corporation = Société canadienne d'hypothèques et de logement, 2007. Description 14, 14 p. (Pamphlets 60916 2007)

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_____. **Net Zero Energy Healthy Housing Initiative: Advance Notice of a New Call for Expressions of Interest.** Ottawa: Canada Mortgage and Housing Corporation, 2007. Description 2 p. (Pamphlets 65047)

_____. **The Northern Sustainable House: An Innovative Design Process.** Ottawa: Canada Mortgage and Housing Corporation, 2007. Description 1 v. (various pagings) (CaI MH 07N57)

Summary Unique environmental, cultural and economic challenges prevail in northern Canada. In an effort to create housing that is highly energy efficient and, at the same time, culturally acceptable to its inhabitants, Canada Mortgage and Housing Corporation (CMHC) partnered with the Nunavut Housing Corporation (NHC) in Nunavut and the Tr'ondek Hwech'in First Nation of the Yukon in 2006 to design two versions of the Northern Sustainable House. The ultimate aim of the project was to promote the construction of culturally appropriate, energy-efficient housing across the north; the project hoped to achieve an energy performance level 50 percent better than the Model National Energy Code for Houses (MNECH). Following the model of the Integrated Design Process, house design charrettes were held in Arviat, Nunavut, and Dawson City, Yukon, in late autumn 2006. These multidisciplinary workshops brought together townspeople and technical experts to explore the social and environmental factors that influence the effectiveness of housing in each community. In initiating the Northern Sustainable House project, CMHC proposed to organize design charrettes in each community; carry out the house designs, including energy efficient construction details; analyze the performance of the houses; and cover the incremental costs of features required to meet the energy conservation goals of the project. In each location, a CMHC-led design and review team explored design options and developed alternative construction systems. As part of the design process, the energy performance of proposed wall systems for each house was modelled. The design process took participant comments into account, with designs developed for two models of the Northern Sustainable House: one for Inuit communities in the eastern arctic (above the tree line), and one for the Western arctic (below the tree line). One Northern Sustainable House is now under construction in Dawson City, and two models of the Arviat design are planned for construction in 2008. This report focuses on the discussion and design process and is based on interviews with some of the participants in the charrettes that were held in Arviat and Dawson City.

_____. **Zeroing in on New Expectations: Meeting Demand for Low-Impact Healthy Housing.** Ottawa: Canada Mortgage and Housing Corporation, 2007. Description 7 p. (Pamphlets 65019 2007a)

Canada Mortgage and Housing Corporation. Policy and Research Division.
Action Plan for Sustainable Practices: Implementation Strategies for the Residential and Business Sections in the Greater Toronto area. Research Highlight. Technical Series; 07-110
Ottawa: The Division, 2007. Description 6 p. (CaI MH116 07H110)

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- _____. **The Effects of Reflective Interior Shades on Cooling Energy Consumption at the CCHT Research Facility.** Research Highlight. Technical Series; 07-102. Ottawa: Canada Mortgage and Housing Corporation, Policy and Research Division, 2007. Description 4 p. (CaI MH116 07H102)
- _____. **Research on Green Rooftops and Walls in Québec City.** Research Highlight. Technical series; 07-112. Ottawa: Policy and Research Division, Canada Mortgage and Housing Corporation, 2007. Description 4 p. (CaI MH116 07H112)
- _____. **Residential Solar Mass Wall Analysis for Canada.** Research Highlight. Technical series; 07-124. Ottawa: Policy and Research Division, Canada Mortgage and Housing Corporation, 2007. Description 6 p. (CaI MH116 07H124) Sudoc # 65861
- _____. **Southeast False Creek Integrated Design Process Workshops.** Research Highlight. Technical Series; 07-107. Ottawa: Policy and Research Division, Canada Mortgage and Housing Corporation, 2007. Description 4 p. (CaI MH116 07H107)
- _____. **Sustainable Northern Development Charrette in Yellowknife.** Research highlight. Technical Series; 07-113. Ottawa: Policy and Research Division, Canada Mortgage and Housing Corporation, 2007. Description 4 p. (CaI MH116 07H113)
- _____. **West Hills Subdivision Sustainable Development Charrette.** Research Highlight. Socio-economic Series; 07-004. Ottawa: Policy and Research Division, Canada Mortgage and Housing Corporation, 2007. Description 6 p. (CaI MH113 07H004)
- Canadian Broadcasting Corporation. **Build Green with David Suzuki. The Nature of Things Summer Series.** Toronto: Canadian Broadcasting Corporation, c2007. Description 1 videodisc (DVD -- ca. 44 min.) (Audio Visual NA2542.36 B84 2007)
- Contents Rammed earth --House of straw --Doing what comes naturally --Living small --Garden apartments in the sky --Greening suburbia --Urban retrofit --Future green.
- Carcano, Emmanuel. **Bâtir écologique : chronique d'une construction en bois.** Mens : Terre vivante, c2007. Description 167 p. (TH4818.W6 C37 2007)
- Carmody, John ... et al. **Residential Windows: A Guide to New Technologies and Energy Performance.** 3rd. ed. New York: W.W. Norton, c2007. Description 247 p. (TH2275 C37 2007 TH2275 C37 2007)

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Cement Association of Canada. **Guide to Sustainable Design with Concrete = Guide sur la conception durable grâce au béton.** Version 2.0. Ottawa: Cement Association of Canada = Association canadienne du ciment, c2007. Description 1 CD-ROM (Cd-rom TA68I G84 2007)

CMHC International. **The Residential Green Building Industry in the U.S.A. and Opportunities for Canadian Manufacturers.** Prepared for Canada Mortgage and Housing Corporation. Ottawa: CMHC International, c2007. Description 37 p. (CaI MH56 07R23)

Costa Duran, Sergi. **Green Homes. New Ideas for Sustainable Living.** New York: Collins Design, 2007. Description 191 p. (TH4860 C63 2007)

Summary "This book presents the latest innovations in sustainable architecture in design. After an introductory interview with an international specialist in green building, the book features 35 projects, including houses, apartments, offices, sports facilities, and factories. It explores various aspects of green design, from its ecological and economical benefits, to factors considered when choosing materials: how much energy went into manufacturing the product, whether it is long lasting, and whether it can be recycled or safely disposed of as it breaks down over time. Specific topics covered include climate regulation, drainage systems, and regional planning. Each project contains photographs, floor plans and detailed drawings that illustrate certain sustainable features, revealing how much the parameters of ecological design have expanded in just a few short years."

De Haut, Paul. **Chauffage, isolation et ventilation écologiques.** Paris : Eyrolles, c2007. Description x, 179 p. (TH7222 D4 2007)

Désolé, plus d'essence : l'innovation architecturale en réponse à la crise pétrolière de 1973. Sous la direction de Giovanna Borasi, Mirko Zardini ; avec des textes de Adam Bobbette ... et al. ; et un récit illustré de Harriet Russell. Montréal : Centre canadien d'architecture, c2007. Description 235 p. (NA2542.3 D47 2007)

Doucet, Clive. **Urban Meltdown: Cities, Climate Change and Politics as Usual.** Gabriola, B.C.: New Society Publishers, c2007. Description xix, 251 p. (HT166 D664 2007)

Duguid, Fiona C. B. **Part of the Solution: Developing Sustainable Energy Through Co-operatives and Learning.** Thesis (Ph.D.) --University of Toronto, 2007. Ann Arbor, MI: UMI Dissertation Services, 2008. Description xvi, 318 p. (TJ807.9.C3 D83 2007)

L'Éolien : pour qui souffle le vent? Sous la direction de Roméo Bouchard ; Jean-Louis Chaumel ... et al. Montréal : Éditions Écosociété, c2007. Description 126 p. (HD9502.5.W553 C3 2007)

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Foster, Kari; Stelmack, Annette; and Hindman, Debbie. **Sustainable Residential Interiors**. Hoboken, N.J.: Wiley, 2007. Description xiv, 429 p. (TH4860 F67 2007)

Friedman, Avi. **Sustainable Residential Development: Planning and Design for Green Neighborhoods**. New York: McGraw-Hill, 2007. Description xiv, 288 p. (TH4860 F74 2007)

Global Green USA. **Blueprint for Greening Affordable Housing**. Edited by Walker Wells; with Ted Bardacke ... et al. Washington, D.C.: Island Press, c2007. Description xiv, 214 p. (TH4860 B59 2007)

Great Britain. Dept. for Communities and Local Government. **Eco-towns Prospectus**. London: The Dept., 2007. Description 22 p. (UKI EN 07E16)

Griffiths, Nigel. **Eco-house Manual. "How to carry out environmentally friendly improvements to your home"**. Sparkford, Somerset: Haynes, 2007. Description 168 p. (TH4860 G74 2007)

_____. **Great Bow Yard: Anatomy of an Eco Build**. Bath: Eco-Logic Books, 2007. Description 83 p. (TH4860 G745 2007)

Halliday, Sandy. **Green Guide to the Architect's Job Book**. 2nd ed. London: RIBA Publishing, c2007. Description 80 p. (NA2542.35 H34 2007)

Hamilton, Lorna ... et al. **Creating Environmental Weightings for Construction Products: Results of a Study**. Garston, Watford: IHS BRE Press, 2007. Description iv, 18 p. (UKI EN90 07C62)

Hastings, S. Robert and Wall, Maria, eds. **Sustainable Solar Housing**. London; Sterling, VA: Earthscan, 2007. Description 2 v. (TH7414 S87 2007)
Published by Earthscan on behalf of the International Energy Agency (IEA), Solar Heating & Cooling Programme (SHC) and Energy Conservation in Buildings and Community Systems Programme (ECBCS).

Contents v. 1. Strategies and solutions -- v. 2. Exemplary buildings and technologies.

Henderson, Shawna and Mattock, Christopher. **Approaching Net Zero Energy in Existing Housing**. Submitted by Abri Design & Consulting. Ottawa: Canada Mortgage and Housing Corporation, 2007. Description x, 187 p. (CaI MH 07A65)

Summary This research project explored the technical feasibility of reducing the energy consumption of existing houses to net zero on an annual basis. The project characterized the energy consumption patterns in existing housing and compiled energy efficiency and energy generation measures. Through this work, the potential for energy reduction, energy storage and renewable energy generation

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was assessed. The project also considered the trade-offs in comfort, cost, and convenience necessary to attain very low energy consumption in existing housing. This is conceptual research as the possibility of creating a net-zero-energy house from an existing dwelling is extremely challenging. The research showed that some houses (e.g. bungalows) and some locations (e.g. Vancouver) had a far better chance of achieving net zero energy usage due to their inherent advantages. Most of the modelled houses were able to attain very low heating energy requirements. The compensating energy production, through solar thermal and photovoltaics, is often limited in effectiveness by roof size and orientation, as well as by high capital costs. The report provides a good background on what is possible for older houses and at what cost. It also provides interesting information on potential wall assemblies for these houses and decision trees on which energy retrofits to select for specific houses.

Hetzel, Jean. **Bâtiments HQE et développement durable : guide pour les décideurs et les maîtres d'ouvrage.** 2e éd. Saint-Denis Cedex : Association française de normalisation (AFNOR), c2007. Description xli, 338 p. (TA170 H47 2007)

Hewitt, Mischa and Telfer, Kevin. **Earthships: Building a Zero Carbon Future for Homes.** Garston, Watford: IHS BRE Press, 2007. Description xviii, 128 p. (UK1 EN90 07E11)

Hobbi, Alireza. **Design of Solar Water Heating Systems for Cold Climate and Study of Heat Transfer Enhancement Devices in Flat-Plate Solar Collectors.** Thesis (M.A.Sc.) --Concordia University, 2007. Ann Arbor, MI: UMI Dissertation Services, 2008. Description xvii, 175 p. (TH6561.7 H55 2007)

International Conference on Sustainable Development and Planning (3rd : 2007 : Algrave, Portugal) **Sustainable Development and Planning III.** WIT Transactions on Ecology and the Environment, v. 102. Editors, A.G. Kungolos, C. A. Brebbia, E. Beriatos. Southampton: WIT, c2007. Description 2 v. (HD108.6 I565 2007)

Karlenzig, Warren. **How Green is Your City?: The SustainLane US City Rankings.** With Frank Marquardt, Paula White, Rachel Yaseen & Richard Young. Gabriola, B.C.: New Society Pub., c2007. Description xiii, 205 p. (HT243.U6 K37 2007)

Kwok, Alison G. and Grondzik, Walter T. **The Green Studio Handbook: Environmental Strategies for Schematic Design.** Oxford; Burlington, MA: Architectural Press, 2007. Description x, 378 p. (TH880 K87 2007)

Lanham, Johnnel Kiera. **Thermal Performance of Green Roofs in Cold Climates.** Thesis (M.Sc.) --Queen's University, Kingston, Ont., 2007. Ann Arbor, MI: UMI Dissertation Services, 2007. Description xiv, 190 p. (SB419.5 L363 2007)

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Liébard, Alain; Ménard, Jean-Pierre; et Piro, Patrick. **Le grand livre de l'habitat solaire 110 réalisations en France : le développement durable à la portée de tous.** Paris : Observ'ER : Moniteur, 2007. Description viii, 248 p. (Folio TH7414 L53)

Manning, M. M.; Swinton, M. C.; and Ruest, K. **Assessment of Reflective Interior Shades at the Canadian Centre for Housing Technology.** Ottawa: Canada Mortgage and Housing Corporation, 2007. Description 3, 3, 32 p. (CaI MH 07A76)

Summary Past shading experiments at the Canadian Centre for Housing Technology twin-house research facility revealed that opaque exterior shades provide an effective means of reducing air conditioner cooling loads. However, similar trials of interior Venetian blinds provided evidence of only a slight daily savings (<1 per cent) in cooling energy consumption on the clearest days. Unfortunately, exterior shading is not always an option due to location: the exterior of fixed windows on the upper stories of apartment buildings or homes is not easily accessed by residents for temporary shading during summer months. Cost can also be a limiting factor—it is difficult to justify the expense of an elaborate exterior shading system when the cooling season is so short in many parts of Canada. For these reasons, Canada Mortgage and Housing Corporation was interested in finding a simple and inexpensive means of reducing the cooling loads from the interior of the home. The purpose of this project was to evaluate the potential of a reflective interior shading device to reduce cooling loads, while carefully observing the shade's effect on window temperatures. It was hoped that this device would offer significant savings in cooling consumption, producing energy savings for consumers, and helping to reduce the peak cooling season demands on utilities.

Newton, J. ... et al. **Building Greener: Guidance on the Use of Green Roofs, Green Walls and Complementary Features on Buildings.** London: CIRIA, 2007. Description xvi, 197 p. (SB419.5 B84 2007)

Now House Project. **Now House: One Small House, One Million Opportunities.** Toronto: Now House Project, c2007. Description 28 p. (TJ163.5.D86 N68 2007)

Pahl, Greg. **The Citizen-Powered Energy Handbook: Community Solutions to a Global Crisis.** White River Junction, Vt.: Chelsea Green Pub. Co., c2007. Description xxxiv, 347 p. (TJ163.2 P33 2007)

Pantic, Sasa. **Energy Analysis of Photovoltaic Thermal System Integrated With Roof and HVAC System.** Thesis (M.A.Sc.) --Concordia University, 2007. Ann Arbor, MI: UMI Dissertation Services, 2007. Description xvii, 215 p. (TK1087 P36 2007)

Penney, Jennifer. **Skills for Energy Efficient Construction: A Report on Trades Training for Energy Efficient Buildings in the Greater Toronto Area.** Toronto: Clean Air Partnership, c2007. Description 51 p. (TJ163.5.C65 P46 2007)

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- Phillips, Richard ... et al. **Micro-Wind Turbines in Urban Environments: An Assessment.** Garston, Watford: BRE Trust, 2007. Description 47 p. (UKI EN90 07M38)
- Prince's Foundation for the Built Environment. **Valuing Sustainable Urbanism: A Report Measuring & Valuing New Approaches to Residentially Led Mixed Use Growth.** Commissioned by the Prince's Foundation for the Built Environment from Savills plc with support from English Partnerships. London: The Foundation, c2007. Description ii, 123, xii p. + summary (HT169.G7 V34 2007)
- Richardson, Phyllis. **XS vert : grandes idées, petites structures.** Traduit de l'anglais par Lydie Échasseriaud. Paris : Thames & Hudson, c2007. Description 223 p. (NA2542.36 R51513 2007)
- Richardson, Phyllis. **XS: Small Structures, Green Architecture.** New York: Universe, 2007. Description 223 p. (NA2542.36 R52 2007)
- Riolet, Emmanuel. **Le mini-éolien.** Paris : Eyrolles, c2007. Description xi, 159 p. (TJ825 R56 2007)
- Roaf, Susan; Fuentes, Manuel; and Thomas, Stephanie. **Ecohouse: A Design Guide.** 3rd ed. Oxford; Burlington, MA: Architectural Press, 2007. Description vi, 479 p. (NA2542.35 R62 2007)
- Ryker, Lori. **Off the Grid Homes: Case Studies for Sustainable Living.** Salt Lake City, Utah: Gibbs Smith, c2007. Description 128 p. (NA7117.3 R9618 2007)
- SCHL International. **Secteur de la construction résidentielle écologique aux États-Unis et occasions d'affaires pour les fabricants canadiens.** Préparé pour la Société canadienne d'hypothèques et de logement. Ottawa : SCHL International, c2007. Description i, 42 p. (Ca1 MH56 07R23f)
- Small Eco-houses = Petites maisons écologiques = Kleine ökohäuser.** Köln: Evergreen, c2007. Description 191 p. (TH4860 S62 2007)
- Smith, Peter F. **Sustainability at the Cutting Edge: Emerging Technologies for Low Energy Buildings.** 2nd ed. Oxford; Burlington, MA: Architectural Press, 2007. Description xiv, 180 p. (NA2542.3 S65 2007)
- Société canadienne d'hypothèques et de logement. **Avant d'améliorer l'efficacité énergétique de votre maison --l'enveloppe du bâtiment.** Votre maison ; CF 28 j. Rév. Ottawa : La Société, 2007. Description 8 p. (Ca1 MH7 07P28jf)

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- _____. **Comblent de nouvelles attentes : répondre à la demande d'habitations saines à faible impact.** Ottawa : Société canadienne d'hypothèques et de logement, 2007. Description 7 p. (Pamphlets 65020 2007a)
- _____. **Equilibrium : maison saine pour un environnement sain.** Votre maison ; CF 70. Ottawa : Société canadienne d'hypothèques et de logement, c2007. Description 4 p. (CaI MH7 07P70f)
- _____. **Equilibrium : maison saine pour un environnement sain : une habitation nouveau genre pour un monde en évolution.** Révisé mai 2007. Ottawa : Société canadienne d'hypothèques et de logement, 2007. Description 4 p. (Pamphlets 65020 2007)
- _____. **Equilibrium : maison saine pour un environnement sain : une habitation nouveau genre pour un monde en évolution.** Ottawa : Société canadienne d'hypothèques et de logement, 2007. Description 4 p. (Pamphlets 65020)
- _____. **Initiative de la maison saine à consommation énergétique nette zéro : préavis relatif à un nouvel appel de manifestations d'intérêt.** Ottawa : Société canadienne d'hypothèques et de logement, 2007. Description 2 p. (Pamphlets 65047)
- _____. **Logements collectifs éconergétiques SCHL.** Ottawa : Société canadienne d'hypothèques et de logement, 2007. Description 2 p. (Pamphlets 65899)
- _____. **Mises au point visant à réduire la consommation d'énergie et d'eau dans les tours d'habitation : guide des propriétaires, des gestionnaires et du personnel d'entretien.** Série sur les technologies du bâtiment. Ottawa : Société canadienne d'hypothèques et de logement, c2007. Description iv, 98 p. (CaI MH111 07E58f)
- Société canadienne d'hypothèques et de logement. Division des politiques et de la recherche. **Analyse des murs de masse visant les habitations au Canada.** Le Point en recherche. Série technique ; 07-124. Ottawa : La Division, 2007. Description 6 p. (CaI MH116 07H124f) Sudoc # 65862
- _____. **Ateliers sur le processus de conception intégré pour le secteur Southeast False Creek.** Le Point en recherche. Série technique ; 07-107. Ottawa : Société canadienne d'hypothèques et de logement, Division des politiques et de la recherche 2007. Description 4 p. (CaI MH116 07H107f)

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_____. **Charrette sur le développement durable du nord à Yellowknife.** Le Point en recherche. Série technique ; 07-113. Ottawa : Division des politiques et de la recherche, Société canadienne d'hypothèques et de logement, 2007. Description 4 p. (CaI MH116 07H113f)

_____. **Les Effets des stores intérieurs réfléchissants sur la consommation d'énergie pour la climatisation aux installations de recherche du CCTR.** Série technique ; 07-102. Ottawa : Division des politiques et de la recherche, Société canadienne d'hypothèques et de logement, 2007. Description 4 p. (CaI MH116 07H102f)

_____. **Plan d'action pour des pratiques durables : stratégies de mise en oeuvre pour le secteur résidentiel et commercial de la région du Grand Toronto.** Le Point en recherche. Série technique ; 07-110. Ottawa : Division des politiques et de la recherche, Société canadienne d'hypothèques et de logement, 2007. Description 6 p. (CaI MH116 07H110f)

_____. **Recherche sur les toits et les murs verts à Québec.** Le Point en recherche. Série technique ; 07-112. Ottawa : Division des politiques et de la recherche, Société canadienne d'hypothèques et de logement, 2007. Description 4 p. (CaI MH116 07H112f)

Stoyke, Godo. **The Carbon Buster's Home Energy Handbook: Slowing Climate Change and Saving Money.** Gabriola, B.C.: New Society Publishers, c2007. Description xii, 171 p. (TJ163.5.D86 S765 2007)

Sustainable Buildings Industry Council. **Green Building Guidelines: Meeting the Demand for Low-Energy, Resource-Efficient Homes.** 5th ed. Washington, D.C.: The Council, c2007. Description xix, 144, 3 p. + CD-ROM (TH4812 G73 2007)

Sustainable Northern Community Development Charrette in Yellowknife, N.T., May 17-19, 2005 for Canada Mortgage and Housing Corporation. Ottawa: The Corporation, 2007. Description 3, 3, 37 p. (CaI MH 07S75)

Summary A charrette (design workshop) sponsored by Canada Mortgage and Housing Corporation, was held May 17 to 19, 2005 in Yellowknife, NT. The objective was to explore the issues of northern community development and to suggest specific solutions to achieve a sustainable and high quality of life. This charrette focused on the particular challenges and opportunities of sustainable development for Negus Point, a 100-acre city-owned property in Yellowknife. The

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integrated design teams explored the potential of on-site wastewater treatment and geothermal water-sourced district heat; pedestrian, bike and ski trails in low-lying areas; and protection of the fragile Northern ecosystem in a development that would include various forms of housing to meet the needs of the growing population, with small commerce, community services and research demonstration facilities.

Swaback, Vernon D. **Creating Value: Smart Development and Green Design.** Washington, D.C.: ULI-the Urban Land Institute, c2007. Description ix, 159 p. (HD108.3 S93 2007)

Contents Introduction -- Creating value -- The relatedness of all things creates value -- A new wisdom: everything is connected -- Moving past sprawl -- Learning from experience -- Getting around -- The threat and opportunity of global warming -- Being smart, green, and sustainable -- Smart development -- Green architecture -- Sustainable design -- A model proposal and real-world examples -- Essential changes -- Putting it all together -- Perspectives -- Governmental visionaries -- Heroic visionaries -- Learning who we are by where we live -- Design and development as the art of culture -- Case studies: Custom homes; Condominiums; Offices; Mixed use; High rise buildings; Government buildings; Resort environments; Shared use; Compounds and neighborhoods; Cultural/educational facilities; Corporate villages; Affordable green; Adaptive reuse; Renewable contexts; Water stewardship; Ecosystem restoration; An abundance of nature -- Afterword.

Syed, Ali Muslim. **Analysis of Renewable Energy Potential in the Residential Sector Through High Resolution Building Energy Simulation.** Dissertation Thesis (M.A.Sc.) --Dalhousie University, 2007. Ann Arbor, MI: UMI Dissertation Services, 2008. Description xxxiii, 347 p. (TJ163.5.D86 S95 2007) CMHC External Research Program.

Summary Due to recent advancements in renewable energy technologies such as photovoltaic (PV) and micro-wind turbine systems, the potential for large-scale deployment of such energy sources for a more sustainable society has never been greater. This research provided a detailed techno-economic assessment of renewable energy potentials in the residential sector through high-resolution building energy simulation using large numbers of representative housing data. Two sub-projects were presented. The first was on the modeling, simulation and feasibility analysis of the hybrid heating system with solar photovoltaics for new housing in cities across Canada. Findings relate to both increase and savings aspects of actual energy use. The analyses also showed the varying energy and environmental benefits of the proposed hybrid heating system in a typical R-2000 home. The second sub-project was on the modeling, simulation, and feasibility analysis of the hybrid building integrated renewable electricity system in the existing Canadian residential stock. The results were extrapolated to the national level to assess the potentials of GHG reduction and were found that using these technologies could result in the GHG reductions of 15% and 20% of the base case emission levels without the proposed hybrid renewable electricity generation systems.

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- Taggart, Jim and Busby, Peter, eds. **Busby: Learning Sustainable Design.** Gatineau, Québec: Janam Publications, c2007. Description 141 p. (NA749.B88 B87 2007)
- Todd, Nancy Jack. **Écodesign, des solutions pour la planète : l'aventure du New Alchemy Institute.** Traduit de l'anglais par Françoise Forest. Montréal : Éditions Écosociété, c2007. Description 243 p. (TD170 T6213 2007)
- Vu, Brigitte. **Choisir une énergie renouvelable adaptée à sa maison.** Paris : Eyrolles, c2007. Description iv, 94 p. (TJ808 V8 2007)
- _____. **L'habitat écologique et les aides de l'état.** Paris : Groupe Eyrolles, c2007. Description iii, 123 p. (TH4860 V8 2007)
- Werthmann, Christian. **Green Roof: A Case Study.** New York: Princeton Architectural Press, c2007. Description 159 p. (SB419.5 W47 2007)
- Wilcox, Alana; Palassio, Christina; and Dovercourt, Jonny, eds. **GreenTOpia: Towards a Sustainable Toronto.** UTOpia series; 3. Toronto: Coach House Books, c2007. Description 325 p. (TD171.5.C32 T64 2007)
- Williams, Daniel Edward. **Sustainable Design: Ecology, Architecture, and Planning.** Hoboken: Wiley, c2007. Description xxvii, 275 p. (NA2542.36 W548 2007)
- Wizelius, Tore. **Developing Wind Power Projects: Theory and Practice.** London; Sterling, VA: Earthscan, 2007. Description xiv, 290 p. (TJ825 W5912 2007)

Contents Pt. I. Introduction to wind power -- 1. Wind power today and in the future -- 2. Historical background -- 3. Development of the modern wind power industry -- Pt. II. Wind energy -- 4. The wind -- 5. The power of wind -- 6. Conversion of wind energy -- Pt. III. Technology -- 7. Types of wind turbine -- 8. The wind turbine rotor -- 9. Nacelle, tower and foundation -- 10. Electrical and control system -- 11. Efficiency and performance -- Pt. IV. Wind power and society -- 12. Wind power policy -- 13. Wind power and the environment -- 14. Wind power planning -- 15. Opinion and acceptance -- 16. Grid connection of wind turbines -- Pt. V. Wind power project development -- 17. Siting of wind turbines -- 18. Economics -- 19. Project development.

- Yudelson, Jerry. **Green Building A to Z: Understanding the Language of Green Building.** Gabriola, B.C.: New Society Publishers, c2007. Description xix, 219 p. (Reference TH880 Y633 2007)

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- American Society of Heating, Refrigerating and Air-Conditioning Engineers. **ASHRAE Greenguide: The Design, Construction, and Operation of Sustainable Buildings.** 2nd ed. Atlanta, GA: ASHRAE, c2006. Description xxii, 394 p. (TH880 A08 2006)

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_____. **Sustainability and the Building Environment: ASHRAE Satellite Broadcast/Webcast.** Atlanta, GA: American Society of Heating, Refrigerating and Air-Conditioning Engineers, c2006. Description 1 videodisc (DVD -- ca. 170 min.) (Audio Visual TH880 S97 2006)

Contents Toward sustainable buildings: target based building design and evaluation --Energy's role in green buildings: if it is not efficient, it is not a sustainable path --Integrated design: a key to sustainability --Natural ventilation.

Anderson, Will. **Diary of an Eco-builder.** Totnes, Devon: Green Books, 2006. Description 256 p. (TH4860 A63 2006)

Antony, Falk; Dürschner, Christian; et Remmers, Karl-Heinz. **Le photovoltaïque pour tous : conception et réalisation d'installations.** Paris : Observ'er ; Berlin : Solarpraxis, 2006. Description 278 p. (TK1087 A5713 2006)

Athena Sustainable Materials Institute & Morrison Hershfield Ltd. **Development and Demonstration of a Life Cycle Costing Tool Applied to Green Technologies.** Prepared for Canada Mortgage and Housing Corporation. Ottawa: The Corporation, 2006. Description 65 p. (Ca1 MH 06D22)

Summary For the residential building industry, the cost of constructing green buildings or incorporating green technologies, combined with the difficulty of marketing these higher performance homes and technologies, remains an issue that has effectively slowed the use of green building technologies in the residential market segment. The diffusion barrier arises on both sides of the equation – with the prospective buyer, and the developer/builder. In order to aid the adoption of greener technologies, Canada Mortgage and Housing Corporation retained the Athena Institute in association with Morrison Hershfield Limited to develop a simple Excel© spreadsheet-based life cycle costing (LCC) calculator tool (and users' guide) to help builders and developers estimate the viability of green technologies applicable to single family homes and mid-size multiunit residential buildings (MURBS). To further demonstrate the tool, the project team identified a set of 14 green technologies and prepared illustrative life cycle cost assessments of these technologies using the LCC calculator. The overall intent of the project is to help builders and developers conduct life cycle costing evaluations of various green technologies, so they better understand and can better communicate these results to prospective clients. LCC is an economic method for evaluating project investment alternatives over a selected period of time. It is particularly suited to determining whether the higher initial cost of an investment is justified by reductions in future costs (e.g., operating, maintenance, repair or replacement costs). It can also be used to compare alternative investments with different initial and future costs. The accompanying LCC users' guide documents each field to be completed by the user, provides sources for various data elements, and describes each of the results in simple terms to make LCC more accessible to the building community. The users' guide also contains an example LCC Calculation, complete with the various inputs and results indicated by a screen capture of the tool.

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- Bates, Albert K. **The Post-Petroleum Survival Guide and Cookbook: Recipes for Changing Times.** Gabriola, B.C.: New Society Publishers, c2006. Description xvii, 237 p. (GF86 B37 2006)
- Bensenouci, Ahmed. **Étude de l'efficacité énergétique d'un bâtiment d'habitation à l'aide du logiciel de simulation DOE-2E.** Mémoire (M.Ing.) --Université du Québec, 2006. Ann Arbor, MI: UMI Dissertation Services, 2007. Description xiv, 155 p. (TJ163.5.D86 B46 2006)
- Bundale, Avril Heather. **The Implications of Mainstreaming Sustainable Development: A Study of Civilized Ecological Villages in Hainan, China.** Thesis (M.E.S.) --University of Waterloo, 2006. Ann Arbor, MI: UMI Dissertation Services, 2007. Description xi, 186 p. (HN740.Z9 C62 2006)
- Canada Mortgage and Housing Corporation. **Canadian Sustainable Community Master Plan, Nan Hui District of Pudong, China.** Ottawa: The Corporation, c2006. Description 95 p. (CaI MH 06C17)
- _____. **Ketchum House 1998.** Low-Impact Housing Series. Ottawa: Canada Mortgage and Housing Corporation, c2006. Description 6 p. (CaI MH 06K23)
- _____. **Sustainable Community Planning.** Ottawa: The Corporation, 2006. Description 7 p. (Pamphlets 64996)
- _____. **Canadian Sustainable Development: Celebrating Canada's Expertise in Urban Design, Community Planning, Housing Technologies and Research.** Ottawa: Canada Mortgage and Housing Corporation, c2006. Description 27 p. (CaI MH 06C16)
- _____. **Sustainable Planning Workshop --Ontario: Sustainable Planning and Development of Small Communities.** Ottawa: Canada Mortgage and Housing Corporation, 2006. Description 1 v. (various pagings) (CaI MH 06S76)
- Canada Mortgage and Housing Corporation ... et al. **Sunny Days Ahead: A Forum on Solar Energy for Government Officials, March 22, 2006.** Ottawa: Canada Mortgage and Housing Corporation ... et al., 2006. Description 1 computer laser optical disk (CD-ROM TJ809.2 S96 2006)
- Canada Mortgage and Housing Corporation. British Columbia and Yukon Business Centre. **Building Sustainable Communities = Bâtir des collectivités durables.** Vancouver: The Business Centre = Société canadienne d'hypothèques et de logement, Centre d'activités de la Colombie-Britannique et du Yukon, c2006. 1 videocassette = cassette (ca. 15 min. -- VHS) (Audio Visual HD7305.V3 B84 2006)

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Canada Mortgage and Housing Corporation. Policy and Research Division. **Green Phoenix Integrated Design Charrette for Sustainable Affordable Housing**. Research Highlight. Technical Series; 06-101. Ottawa: The Division, 2006. Description 4 p. (CaI MH116 06H101)

_____. **Green Roofs: A Resource Manual for Municipal Policy Makers**. Research Highlight. Technical Series; 06-113. Ottawa: Policy and Research Division, Canada Mortgage and Housing Corporation, 2006. Description 4 p. (CaI MH116 06H113)

_____. **Household Environmental Monitoring: A Strategy to Help Homeowners Reduce Their Environmental Impact**. Research Highlight. Technical Series; 06-104. Ottawa: Policy and Research Division, Canada Mortgage and Housing Corporation, 2006. Description 6 p. (CaI MH116 06H104)

_____. **Performance Evaluation of the Almon Street Multi-unit Residential Building**. Research Highlight. Technical Series; 06-100. Ottawa: Policy and Research Division, Canada Mortgage and Housing Corporation, 2006. Description 4 p. (CaI MH116 06H100)

_____. **West Coast Green Roof Performance at BCIT's Green Roof Research Facility**. Research Highlight. Technical Series; 06-106. Ottawa: Policy and Research Division, Canada Mortgage and Housing Corporation, 2006. Description 4 p. (CaI MH116 06H106)

Canadian Solar Industries Association. **Solar Conference 2006, November 1-6, Ottawa, Ont.** S.I.: The Association, 2006. Description 1 computer laser optical disc (CD-ROM TJ810 C35 2006)

Christian, Diana Leafe. **Vivre autrement : écovillages, communautés et cohabitats**. Traduction de l'anglais par Sylvie Fortier. Montréal : Éditions Écosociété, c2006. Description 445 p. (HX635 C4713 2006)

Connelly, Maureen. **BCIT Green Roof Research Program. Phase I. Summary of Data Analysis, Observation Period, Jan. 1, 2005 to Dec. 31, 2005**. Submitted to Sandra Marshall, Senior Researcher, Housing Technology Group, Canada Mortgage and Housing Corporation; prepared by Maureen Connelly; contributors, Maureen Connelly, Karen Liu, John Schaub. Ottawa: The Group, 2006. Description iii, 55 p. (CaI MH110 06B01)

Summary To address a lack of climate-specific performance data and demonstrated feasibility of green roof systems within its region, the British Columbia Institute of Technology (BCIT) constructed and commissioned a dedicated field test site, the Green Roof Research Facility (GRRF), in 2003. The main research objective was to investigate the performance and practical application of extensive green roof systems in Canada's west coast climate. The GRRF features three roof sections separated by parapets – two green roof sections and one non-green section for reference (REF). Both green roof systems

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include a root barrier, non-reservoir drainage board and independent filter cloth, and the same growing medium composition. Green Roof 1 (GR-1) contained 75mm of growing medium planted with sedum species while Green Roof 2 (GR-2) contained 150mm of growing medium planted with a mix of fescues and grasses. The roof sections were fully instrumented to measure stormwater runoff characteristics and energy efficiency. The roof was monitored and performance data were collected for one full year (January 1 to December 31, 2005). The plants were fully established during this period. Jointly funded by the British Columbia Institute of Technology (BCIT), the National Research Council, the Greater Vancouver Regional District, and CMHC's External Research Program, this research report evaluates the performance of the green roofs in the testing facility built at BCIT. It gathered and analyzed data with respect to delaying storm water run-off and reducing run-off volume, as well as the cooling and insulating abilities of the roof system. The first year of observation showed that, within the temperate climate of Vancouver, a green roof system with appropriate plant species in 75mm of growing medium can provide a similar level of stormwater mitigation and thermal benefits as a green roof system with 150mm of growing medium. The preliminary findings suggested that buildings in Vancouver could benefit from lighter weight extensive green roof systems.

Courgey, Samuel et Oliva, Jean-Pierre. **La conception bioclimatique des maisons économes et confortables en neuf et en réhabilitation.** Mens, France : Terre Vivante, c2006. Description 239 p. (TH4860 C68 2006)

Deacon, Gillian, compiler. **Green Tips: How to Save Money and the Planet.** Toronto: Green Living Enterprises, 2006. Description 64 p. (GF78 D435 2006)

Droege, Peter. **The Renewable City: A Comprehensive Guide to an Urban Revolution.** Chichester, England; Hoboken, NJ: Wiley-Academy, c2006. Description xii, 309 p. (HT241 D76 2006)

Enerlife Consulting. **Giving the Green Light to Energy Conservation: Documenting the Green Light Initiative --The Energy Management Plan for Social Housing in Ontario.** Toronto: Social Housing Services Corporation: Ministry of Energy, 2006. Description 30 p. (Ca2 ON ES 06G33)

Ferrara, Luigi and Visser, Emily, eds. **Canada Innovates: Sustainable Building.** In collaboration with the Green Building Alliance ... et al. Toronto: School of Design, George Brown - Toronto City College, c2006. Description 234 p. (TH880 C36 2006)

Freeman Associates. **Action Plan for Sustainable Practices: Implementation Strategies for the Residential and Business Sectors in the Greater Toronto Area.** Ottawa: Canada Mortgage and Housing Corporation, 2006. Description 222 p. (Ca1 MH 06A16)

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Summary Watersheds in metropolitan areas across Canada are suffering degradation as a result of urbanization. Loss of natural vegetative cover, an increase in the area of paved and other impervious surfaces, and storm sewer systems in older urban areas that route stormwater to streams and rivers, greatly increase the stormwater loading in watersheds and disrupt the natural water balance. The Greater Toronto Area (GTA) is a case in point. Education and awareness campaigns to encourage the adoption of "lot level" and "at source" practices for stormwater management have yet to achieve widespread success. Uptake of sustainable practices by residents and business owners/managers is seen as a key part of implementing GTA-wide watershed management plans and creating sustainable watershed communities. The goal of the study was to determine the marketing opportunities and barriers to improving uptake of lot level stormwater management and other sustainable practices amongst residents of single-family dwellings and business owners/managers of commercial/light industrial facilities in the GTA, and to develop strategies and mechanisms to drive uptake of such practices.

Gendron, Corinne. **Le développement durable comme compromis : la modernisation écologique de l'économie à l'ère de la mondialisation.** Collection Pratiques et politiques sociales et économiques. Québec : Presses de l'Université du Québec, 2006. Description xii, 276 p. (HC79.E5 G42 2006)

Glicksman, Leon R. and Lin, Juintow. **Sustainable Urban Housing in China: Principles and Case Studies for Low-Energy Design.** Alliance for Global Sustainability Bookseries; 9. Dordrecht: Springer, c2006. Description xxv, 267 p. + 1 CD-ROM (4 ¾ in.) (NA2542.36 S89 2006)

Grant, Gary. **Green Roofs and Façades.** Bracknell: IHS BRE Press, 2006. Description xii, 71 p. (UKI EN90 06G66)

Great Britain. Dept. for Communities and Local Government. **Building a Greener Future: Towards Zero Carbon Development.** London: The Dept., 2006. Description 38 p. (UKI EN 06B73)

_____. **Code for Sustainable Homes: A Step-Change in Sustainable Home Building Practice.** London: Dept. for Communities and Local Government, 2006. Description 28 p. (UKI EN 06C57)

Green, Morgan. **Les Premières nations construisent des logements respectueux de l'environnement : rapport final.** Rév. Ottawa : Société canadienne d'hypothèques et de logement, 2006. Description 62 p. (CaI MH 06F35f)

Résumé Cette publication décrit des méthodes, des techniques et des matériaux novateurs qui représentent des solutions de rechange pour la construction de maisons saines et le développement économique et communautaire respectueux de l'environnement. Ce guide décrit de nouveaux concepts efficaces concernant : les méthodes et matériaux de construction; les technologies de pointe en

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cogénération électrique; les systèmes de traitement et de purification biologiques des eaux usées; les installations de chauffage non traditionnelles; les modes de transports novateurs pour les collectivités isolées/desservies par voie aérienne. Ce guide souligne l'importance de la planification dans l'élaboration d'une approche intégrée pour la construction de maisons saines et l'atteinte d'un développement communautaire durable. Le guide présente des exemples de maisons saines. Il énonce les principes adoptés par la SCHL pour orienter et encourager la construction de maisons saines de même que ceux adoptés par OASIS (Onkwehonwene Anishnabek Sustainable Integrated Systems) dans l'élaboration d'une démarche intégrée pour un développement économique et communautaire respectueux de l'environnement parmi les Premières nations. Le guide présente des mises à jour sur des projets comme : la micro-infrastructure et la Maison saine d'Eagle Lake; le lostissement de maison saine durable de la collectivité mohawk de Tyendinaga; la méthode de construction avec des ballots de paille et la planification communautaire durable de la collectivité mohawk de Kahnawake; les micro-infrastructures et le développement de services d'infrastructure autonomes. De plus, le guide utilise les exemples suivants : la proposition d'un projet de seize maisons saines de la Première nation de Pikangikum; la stratégie de gestion environnementale de la Première nation de Sheshegwaning.

Green Roof Policy Development Workshop: Participants' Manual.

Presented by Green Roofs for Healthy Cities. Toronto: Green Roofs for Healthy Cities, c2006. Description 118 p. (SB419.5 G74 2006)

GreenSpec Canada: A Directory of Canadian Green Building Products from BuildingGreen. Brattleboro, VT: BuildingGreen, Inc., 2006-Annual (Reference TH455 G73)

Harvey, Leslie Daryl Danny. **A Handbook on Low-Energy Buildings and District-Energy Systems: Fundamentals, Techniques and Examples.** London; Sterling, VA: Earthscan, 2006. Description xiii, 701 p. (TJ163.5.B84 H37 2006)

Hester, Randolph T. **Design for Ecological Democracy.** Cambridge, Mass.: MIT Press, c2006. Description x, 509 p. (HT167 H472 2006)

Hymers, Paul. **Converting to an Eco-friendly Home: The Complete Handbook.** London: New Holland, 2006. Description 176 p. (TH4860 H95 2006)

International Code Council. **International Energy Conservation Code.**

Published in cooperation with: Building Officials and Code Administrators International, Inc., International Conference of Building Officials, and Southern Building Code Congress International, Inc. Falls Church, Va.: International Code Council, 2006. (K3531 I57 2006)

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International Conference on Harmonisation Between Architecture and Nature (1st : 2006 : Ashurst, England) **Eco-architecture: Harmonisation Between Architecture and Nature.** WIT Transactions on the Built Environment, v. 86. Editors, G. Broadbent, C.A. Brebbia. Southampton: WIT, c2006. Description 409 p. (NA2542.35 I585 2006)

International Energy Agency. **Energy Technology Perspectives 2006: Scenarios & Strategies To 2050.** Paris: International Energy Agency, 2006- (ZZ ED120 E58)

Jones, Leslie. **Tap the Sun: Passive Solar Techniques and Home Designs.** Rev. Ottawa: Canada Mortgage and Housing Corporation: Natural Resources Canada, c2006. Description 117 p. + CD-ROM (CaI MH 06T17)

Summary This book covers all aspects to consider with respect to passive solar house designs and techniques: solar radiation, solar energy collection and window performance, heat storage and distribution, shading and summer comfort, window selection considerations, design integration and site planning, overheating. It also includes 20 sample house designs of three varieties: detached; semi-detached and townhomes. The purpose of this book is to help make the best use of the sun's energy in a home. While much of the book contains information of interest to house designers and builders, homeowners will also find it valuable for its practical tips and as a primer on solar energy in general. Includes a CD-ROM that contains the following: -the Comfort Design Checker Software, an Excel-based program that estimates the appropriate window area for a planned house; -the program's user manual; -a database that lists window manufacturers and their product lines with all their specifications including data relevant to solar heat gain and heat loss; -Healthy Housing files containing useful information on house design based on five Healthy Housing principles. These include images and graphic descriptions of CMHC's Healthy House in Toronto, which illustrates passive solar techniques in use; -the Tap the Sun: Passive Solar Techniques and Home Designs book itself, which is fully searchable; and -the house designs.

Kachadorian, James. **The Passive Solar House.** Rev. and expanded ed. White River Junction, Vt.: Chelsea Green Publishing Company, 2006. Description x, 224 p. + CD-ROM (TH7414 K26 2006)

Kahn, Matthew E. **Green Cities: Urban Growth and the Environment.** Washington, D.C.: Brookings Institution Press, c2006. Description vii, 160 p. (HT241 K34 2006)

Knowles, Ralph L. **Ritual House, Ritual City: Drawing on Nature's Rhythms for Architecture and Urban Design.** Washington, D.C.: Island Press, c2006. (NA2542.4 K66 2006)

Labouret, Anne et Viloz, Michel. **Énergie solaire photovoltaïque.** Technique et ingénierie. Série environnement et sécurité. 3e éd. Paris : Dunod, c2006. Description viii, 355 p. (TK1087 L32 2006)

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Lassalle, François. **Végétalisation extensive des terrasses et toitures.** Paris : Moniteur, c2006. Description 225 p. (SB419.5 L37 2006)

Note "Conception et mise en oeuvre, aspects réglementaires, données économiques, exigences et solutions".

Laughton, Chris. **Tapping the Sun: A Guide to Solar Water Heating.** 5th ed. Machynlleth, Powys: Centre for Alternative Technology, c2006. Description 56 p. (TH6561.7 L38 2006)

Lawlor, Gail ... et al. **Green Roofs: A Resource Manual for Municipal Policy Makers.** Ottawa: Canada Mortgage and Housing Corporation, 2006. Description 146 p. (Ca1 MH 06G66)

Summary Green roofs are vegetated roof covers which can improve stormwater management, increase green space in dense urban areas and help reduce a building's contribution to the heat island effect. This Manual is an overview of international and Canadian green roof policies and programs. It features 12 jurisdictions that demonstrate leadership in green roof policy development, and shows how other Canadian and U.S. cities are developing supportive policies. By reviewing the reasons municipalities throughout the world have set green roof policies and programs, policy makers can better determine which policies suit their needs.

Lawlor, Gail ... et al. **Toits verts : manuel de ressources destiné aux décideurs municipaux.** Ottawa : Société canadienne d'hypothèques et de logement, 2006. Description 146 p. (Ca1 MH 06G66f)

Résumé Les toits verts sont des recouvrements végétaux qui peuvent améliorer la gestion des eaux de pluie, accroître les espaces verts dans les zones urbaines à forte densité et réduire la contribution d'un édifice envers l'effet d'îlot thermique. Ce manuel propose un survol des politiques et des programmes canadiens et internationaux portant sur les toits verts. Il dépeint 12 villes qui font preuve de leadership dans l'élaboration de politiques de toits verts et décrit aussi comment d'autres villes nord-américaines élaborent présentement des politiques semblables. En s'attardant aux raisons qui incitent les municipalités de partout dans le monde à se doter de telles politiques et de tels programmes, les décideurs municipaux sont mieux en mesure de cerner les solutions qui répondent à leurs besoins.

Léautier, Frannie, ed. **Cities in a Globalizing World: Governance, Performance, and Sustainability.** WBI Learning Resources Series. Washington, DC: World Bank, c2006. Description x, 133 p. (UN9 MG 06C33)

Mander, Ü.; Brebbia, C. A.; and Tiezzi, Enzo, eds. **The Sustainable City IV: Urban Regeneration and Sustainability.** 4th International Conference on Urban Regeneration and Sustainability, 2006, Tallinn, Estonia. WIT Transactions on Ecology and the Environment, vol. 93. Southampton, UK; Boston: WIT Press, c2006. Description 829 p. (HT170 I38 2006)

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Mendler, Sandra; Odell, William; and Lazarus, Mary Ann. **The HOK Guidebook to Sustainable Design.** 2nd ed. Hoboken, N.J.: J. Wiley, c2006. Description xx, 459 p. (NA2542.35 M445 2006)

Messier, Christian; Giraldeau, Luc-Alain; et Beisner, Beatrix Elisabeth, eds. **L'Écologie en ville : 25 leçons d'écologie de terrain.** Saint-Laurent, Québec : Fides, 2006. Description 196 p. (QH541.5.C6 E26 2006)

Minke, Gernot. **Building with Earth: Design and Technology of a Sustainable Architecture.** Basel; Boston: Birkhauser-Publishers for Architecture, c2006. (TH1421 M549 2006)

Morris, Craig. **Energy Switch: Proven Solutions for a Renewable Future.** Gabriola, B.C.: New Society Publishers, c2006. Description xiii, 209 p. (TJ808 M67 2006)

Pearl, Daniel and Olivier, Bernard. **Sustainability Considerations Guide for Best Practice Brick Veneer Steel Stud Walls: Final Report.** With the collaboration of Dominique Derome, Jan Vrana. Ottawa: Canada Mortgage and Housing Corporation, 2006. Description 64 p. (CaI MH 06S71)

Summary CMHC's Best Practice Guides both inform the construction industry (architects, engineers, designers, product manufacturers and builders) and encourage higher quality and more durable long term approaches. They have not specifically focused on the challenge of "their" environmental impact. This guide cannot accomplish this in one thrust, but it is the beginning of an ecological sensitization process. Durability is a cornerstone of sustainable design and as such, assemblies must perform satisfactorily for the intended life of the building with appropriate maintenance. The most sustainable approach to ameliorating BVSS envelope design assemblies is to improve overall energy efficiency and durability while ensuring a healthy environment during all phases of its life cycle. This report provides guidance relating to building science, structural and buildability issues with a view to maintaining and sometimes improving the performance of BVSS walls while keeping a strong focus on durability, sustainability and the environment. Sustainability can be considered from both the macro (societal impact) and the micro (project impact) perspective. Societal consequences include direct or indirect harm to the regional ecosystem, such as water pollution, air pollution, resource depletion, as well as to the global ecosystem, such as green house gas emissions and depletion of the ozone layer. Numerous sources outline their definition of green building materials, and this guide does not attempt to redo this work. Direct project consequences related to green building material selection include: envelope durability, indoor air quality, energy loss, water pollution, and embodied energy (including re-use and recycling within their life-cycle). Defining green building materials is challenging, but prioritizing their performance with respect to which criteria is more important is even more difficult. Often the interests of the direct material application (i.e.: indoor air quality) takes precedent over larger societal contamination issues (such as the dumping of materials at the end of their life in landfills where their toxic loading in the environment can be way more dramatic). In some instances there

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are products that can be used which, by definition, may not be environmentally sound, but the manner in which they are used may help reduce the overall environmental impact of the building. Although this guide does not cover the following dimensions of a building's life cycle, they may impact exterior envelope design decisions: occupancy type (both current and potential future changes), retrofit and deconstruction.

Piggott, Hugh. **Choosing Windpower.** Machynlleth, Powys: Centre for Alternative Technology, c2006. Description 110 p. (TJ820 P53 2006)

Piro, Patrick. **Guide des énergies vertes pour la maison.** Mens, France : Terre vivante, c2006. Description 159 p. (TJ163.5.D86 P56 2006)

Proskiw, G. and Hockman, John. **Changing Energy Efficient Houses into Net Zero Energy Houses: Guidelines for a Design Exercise.** Prepared for Sustainable Buildings and Communities, CANMET Energy Technology Centre, Ottawa, Energy Technology and Programs Sector, Dept. of Natural Resources Canada, Govt. of Canada; prepared by Gary Proskiw and John Hockman; scientific authority John Gusdorf. Ottawa: CANMET Technology Centre (Canada), c2006. Description 29 p. (Ca I MT34 06C32)

Ramlow, Bob with Nusz, Benjamin. **Solar Water Heating: A Comprehensive Guide to Solar Water and Space Heating Systems.** Gabriola Island, B.C.: New Society Publishers, c2006. Description xv, 239 p. (TH7413 R34 2006)

Roberts, Jennifer. **Good Green Kitchens: The Ultimate Resource for Creating a Beautiful, Healthy, Eco-friendly Kitchen.** Layton, Utah: Gibbs Smith, c2006. Description 183 p. (TH4816.3.K58 R63 2006)

Roseland, Mark ... et al. **Site Control for Sustainable Community Development: Final Report.** Rev. June 29, 2006. Ottawa: Canada Mortgage and Housing Corporation, 2006. Description x, 34 p. (Ca I MH 06S31)

Summary Communities are increasingly turning to sustainable development frameworks as a means of integrating planning priorities, improving public participation, leveraging resources, and as a way of generating creative and practical solutions to shared economic, environmental and social problems (Roseland, 2005). Much of the research and practice related to sustainable community development has focused on incorporating sustainability principles into existing planning processes. However, there remains a significant gap between sustainable community development planning and implementation. Local land use decisions and real estate development is one area that is of critical importance to communities and provides a tangible example of this gap, suggesting that new thinking is required about the land development process, the role of site control and its relationship to sustainable community development. This paper investigates case studies in Nelson and Victoria, BC where site control and ownership played a significant role in ensuring that land use and development

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outcomes were aligned with the community's vision for the site and were supportive of sustainability principles. The results of this research suggest while improvements to the land use planning process are important, site control actors are required that can play a proactive role in land use development to promote and demonstrate the tangible benefits of sustainable community development.

Russell, Becky. **The Relationship Between Home Energy Costs and Energy-Related Remodeling Activity.** Note; N06-2. Cambridge, Mass.: Joint Center for Housing Studies, Harvard University, 2006. Description 13 leaves (HD7293.A1 H25 no. 06-2)

Salomon, Shay. **Little House on a Small Planet: Simple Homes, Cozy Retreats, and Energy Efficient Possibilities.** Guilford, Conn.: Lyons Press, c2006. Description xv, 265 p. (NA7117.5 S35 2006)

Sassi, Paola. **Strategies for Sustainable Architecture.** New York: Taylor & Francis, 2006. Description v, 306 p. (NA2542.36 S26 2006)

Sheltair Group Inc.; Société Logique and Kernan, Paul. **Healthy High-Rise: A Guide to Innovation in the Design and Construction of High-Rise Residential Buildings = Tours d'habitation saines : guide de conception des tours d'habitation saines.** Ottawa: Canada Mortgage and Housing Corporation = Société canadienne d'hypothèques et de logement, c2001, 2006. Description 1 computer optical disk = fichier d'ordinateur (CD-ROM TH4820 H42 2006)

Summary This document is designed to reflect the innovation that can lead to the design and construction of better performing buildings. It provides: -- an overview of many of the problems affecting high-rise buildings which result from conventional practices; -- insight into an improved understanding of the building science principles; and -- design considerations for improved building performance in a variety of areas. The document is intended to present alternative ways of thinking about design principles for high-rise buildings, to provide some different approaches to design and construction, commissioning and operations and maintenance. In many cases, it presents the need for a more holistic and integrated approach to the design and construction of a high-rise residential building. Issues related to retrofit opportunities and regional differences are also discussed when they apply. Opportunities are also discussed for improving the integration of high-rise residential buildings with the surrounding urban infrastructure, including on-site systems for energy and water supply, transportation and waste management. Finally each section includes "Sources of Information" to recent research and development studies. The guide is designed for architects and other building design professionals.

Résumé Le présent document propose des innovations susceptibles de mener à la conception et à la construction de bâtiments performants. Le guide : -- aborde de nombreux problèmes des tours d'habitation découlant des pratiques traditionnelles; -- permet de mieux comprendre les principes fondamentaux de la science du bâtiment; et -- présente des critères de conception pouvant améliorer le rendement des bâtiments dans différents domaines. Le document présente

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d'autres façons d'aborder les principes de conception des tours d'habitation ainsi que différentes méthodes de conception, de construction, de mise en service, d'exploitation et d'entretien. Dans bien des cas, le document souligne l'absence de méthodes globales et intégrées pour la conception et la construction des tours d'habitation. Les enjeux relatifs aux occasions de rattrapage et aux différences régionales sont aussi traités, le cas échéant. On aborde également la question d'une meilleure intégration des tours d'habitation au tissu urbain. On parlera notamment des installations sur place d'alimentation en eau et en énergie, des moyens de transport et de la gestion des déchets. Enfin, chaque section contient des références portant sur des études et des recherches récentes. Le guide sera destiné aux architectes et à d'autres professionnels de la conception en bâtiment.

Simmons, Marney Jeanne. **Canadian Buildings Turn Green: An Investigation of the Role of Municipalities in Implementing Green Roof Technology in Kingston and Halifax.** Dissertation Thesis (M.U.R.P.) --Queen's University, Kingston, Ont., 2006. Ann Arbor, MI: UMI Dissertation Services, 2007. Description vii, 128 p. (SB419.5 S55 2006)

Smith, Garry J. and Scott, Jennifer. **Living Cities: An Urban Myth?: Government and Sustainability in Australia.** Dural, N.S.W.: Rosenberg, 2006. Description 351 p., 12 p. of plates (HT169.A8 S55 2006)

Snell, Clarke et Callahan, Tim. **Manuel de construction écologique : torchis, bottes de paille, bois cordé, ossature bois légère, enduits de terre, toit végétalisé.** Traduit de l'anglais par Loïc Cohen. Paris : Éditions La Plage, c2006. Description 360 p. (TH4860 S639713 2006)

Snodgrass, Edmund C. and Snodgrass, Lucie L. **Green Roof Plants: A Resource and Planting Guide.** Portland, Or.: Timber Press, 2006. Description 203 p. (SB419.5 S65 2006)

Société canadienne d'hypothèques et de logement. **Aménagement de collectivités durables.** Ottawa : La Société, 2006. Description 7 p. (Pamphlets 64997)

_____. **Maison Irwin --2001.** Habitations à faible incidence sur l'environnement. Ottawa : Société canadienne d'hypothèques et de logement, c2006. Description 6 p. (Ca1 MH 06163f) Sudoc # 65001

_____. **Maison Ketchum --1998.** Habitations à faible incidence sur l'environnement. Ottawa : Société canadienne d'hypothèques et de logement, c2006. Description 6 p. (Ca1 MH 06K23f) Sudoc # 65040

_____. **Plan directeur de la collectivité durable de type canadien, District de Nan Hui à Pudong, Chine.** Ottawa : Société canadienne d'hypothèques et de logement, c2006. Description 99 p. (Ca1 MH 06C17f)

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- _____. **Solutions éconergetiques = Energy Saving Solutions.**
Narrators = Narrateurs: Jacqueline Meunier, George Morris. Ottawa:
Canada Mortgage and Housing Corporation = Société canadienne
d'hypothèques et de logement, 2006. Description 1 computer laser
optical disc = disque de l'ordinateur. System requirements =
Configuration requise: Pentium II 350 mhz; Microsoft Wwindows 98; 64 Mb
RAM; 16x CD-ROM; 16-bit Sound Card (TJI63.5.D86 S64)
- Société canadienne d'hypothèques et de logement. Division des politiques et de la
recherche. **Charrette de conception intégrée de Green Phoenix
sur les logements abordables et durables.** Le Point en recherche.
Série technique ; 06-101. Ottawa : La Division, 2006. Description 4 p.
(CaI MHI16 06H101f)
- _____. **Évaluation de la performance du collectif d'habitation de la
rue Almon.** Le Point en recherche. Série technique ; 06-100. Ottawa :
Division des politiques et de la recherche, Société canadienne
d'hypothèques et de logement, 2006. Description 4 p. (CaI MHI16
06H100f)
- _____. **Performance de toits verts sur la côte ouest dans les
installations de recherche sur les toits verts de la BCIT.** Le Point
en recherche. Série technique ; 06-106. Ottawa : Division des politiques
et de la recherche, Société canadienne d'hypothèques et de logement,
2006. Description 4 p. (CaI MHI16 06H106f)
- _____. **Suivi environnemental des ménages : une stratégie visant à
aider les propriétaires à réduire leurs impacts sur
l'environnement.** Le Point en recherche. Série technique ; 06-104.
Ottawa : Division des politiques et de la recherche, Société canadienne
d'hypothèques et de logement, 2006. Description 6 p. (CaI MHI16
06H104f)
- _____. **Toits verts : un manuel de ressources à l'intention des
décideurs municipaux.** Le Point en recherche. Série technique ;
06-113. Ottawa : Division des politiques et de la recherche, Société
canadienne d'hypothèques et de logement, 2006. Description 4 p. (CaI
MHI16 06H113f)
- Soderstrom, Mary. **Green City: People, Nature, and Urban Places.**
Montreal: Véhicule Press, c2006. Description 244 p. (HT241 S62 2006)
- Spiegel, Ross and Meadows, Dru. **Green Building Materials: A Guide to
Product Selection and Specification.** 2nd ed. Hoboken, N.J.: J.
Wiley & Sons, c2006. Description vi, 361 p. (TH455 S65 2006)
- Contents Why use green building materials? -- What are green building materials?
-- How does the product selection process work? -- How does the product

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specification process work? -- How does the construction process work? – Green building materials and green building programs.

Thompson, Jane ... et al. **The Household Environmental Monitoring Project.** Ottawa: Canada Mortgage and Housing Corporation, 2006. Description 2 v. (CaI MH 06H52)

Summary A study group of twenty households was established to test the hypothesis that we can motivate environmentally sustainable behaviour by providing homeowners with a clear picture of their environmental impact, tangible reasons for improvement, and tailored solutions to follow. A report was prepared for each household that compared their consumption of home heating fuel, electricity, water, vehicle fuel and waste generation with others in the study group and recommended the most cost-effective measures to reduce that consumption. This technique succeeded in producing concrete reductions in environmental impact among the study group. On average, 26% of the recommended environmental measures were implemented in the first year, resulting in an estimated greenhouse gas reduction of about 12%, or 2 tonnes per household. In addition, detailed data was compiled on specific households that provided insights into factors affecting environmental impact. Wide variations were found between similarly situated households, demonstrating the potential families have to reduce their individual environmental impact through lifestyle decisions, conservation practices and energy conscious home improvements.

Tomalty, Ray ... et al. **Criteria and Method for Evaluating Subdivision Plans for Livability and Sustainability.** Submitted to Research Division, Canada Mortgage and Housing Corporation. Ottawa: The Division, 2006. Description 180 p. (CaI MHI 10 06C65)

Summary Many observers have noted that we have much talk about urban sustainability in Canada, but few examples of sustainable development exist on the ground. The reasons for this are complex, but one reason that is often put forward is that we lack a system of criteria to define what a sustainable project would look like, how it would function, and what impacts it would have on key parameters. This limits the ability of sustainability advocates in the community, on council, municipal staff or within the development industry to articulate an alternative to existing development practices and designs or to objectively evaluate proposals being put forward under the rubric of sustainability. This study serves as the first phase of a larger project that is intended to create a sustainable subdivision evaluation system (SSES). Such a system would provide a method or model that planning practitioners, developers and other stakeholders in communities across Canada could use to assess subdivision plans for their livability and sustainability features. The current report is focused on describing the state of the art in evaluating subdivision plans from a livability and sustainability perspective and making recommendations for proceeding with the next stages of the overall project.

Trimby, Paul. **Solar Water Heating: A DIY Guide.** 5th ed. Machynlleth, Powys: Centre for Alternative Technology, 2006. Description 64 p. (TH6561.7 T75 2006)

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- Trulove, James Grayson. **New Sustainable Homes.** New York: Collins Design, 2006. Description 173 p. (NA7117.5 T78 2006)
- Urban Land Institute. **Green Housing: Selected References, September 2006.** ULI Infopacket Series; Infopacket no. 3017. Washington, D.C.: ULI, 2006. Description 1 v. (various pagings) (TH4860 G73 2006)
- Venolia, Carol and Lerner, Kelly. **Natural Remodeling for the Not-So-Green House: Bringing Your Home into Harmony with Nature.** New York: Lark Books, c2006. Description 280 p. (TH4816 V46 2006)
- Vivre en ville (Association). **Programme de végétalisation de bâtiment : rapport final.** Québec : Vivre en ville, 2006. Description 47 p. + annexe (SB419.5 P76 2006) Comprend du CD-ROM.
- Vivre en ville (Association) **Programme de végétalisation de bâtiments : rapport final.** Ottawa : Société canadienne d'hypothèques et de logement, 2006. Description 3, 3, 47 p. + annexe (Ca1 MH 06P68)
- Waterfield, Patrick. **The Energy Efficient Home: A Complete Guide.** Ramsbury, Marlborough, Wiltshire: Crowood Press, 2006. Description 176 p. (TJ163.5.D86 W37 2006)
- Wilson, Alex T. **Your Green Home: A Guide to Planning a Healthy, Environmentally Friendly New Home.** A Mother Earth News Book for Wiser Living. Gabriola, B.C.: New Society Publishers, 2006. Description xvii, 237 p. (TH4860 W54 2006)
- Woodside, Christine. **The Homeowners Guide to Energy Independence: Alternative Power Sources for the Average American.** Guilford, CT: Lyons Press, c2006. Description xix, 178 p. (TJ163.5.D86 W674 2006)
- Yates, Tim. **Sustainable Refurbishment of Victorian Housing: Guidance, Assessment Method and Case Studies.** Garston, Watford: BRE Trust, 2006. Description iv, 35 p. (UK1 EN90 06S76)
- Yeang, Ken. **Ecodesign: A Manual for Ecological Design.** Chichester, West Sussex: Wiley-Academy, c2006. Description 499 p. (NA2542.35 Y433 2006)
- Yudelson, Jerry. **Developing Green: Strategies for Success.** Herndon, Va.: National Association of Industrial and Office Properties, c2006. Description vi, 111 p. + CD-ROM (TH880 Y63 2006)
- Zetter, Roger and Watson, Georgia Butina, eds. **Designing Sustainable Cities in the Developing World.** Design and the Built Environment Series. Aldershot, Hampshire, England; Burlington, VT: Ashgate Pub. Company, c2006. Description xviii, 210 p. (HT169.5 D47 2006)

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- American Indian Higher Education Consortium. **Sustainability**. Tribal College Journal of American Indian Higher Education; vol. 17, no. 2. Mancos, CO: American Indian Higher Education Consortium, 2005. Description 54 p. (HCI I0.E5 S97 2005)
- Baker-Laporte, Paula and Laporte, Robert. **Econest: Creating Sustainable Sanctuaries of Clay, Straw, and Timber**. Layton, Utah: Gibbs Smith, c2005. Description 136 p. (TH4860 B35 2005)
- Beresford-Kroeger, Diana. **The Ideas of Diana Beresford-Kroeger**. Ideas Series. Toronto: CBC Radio One, c2005. Description 1 sound disc (CD-ROM GF77 B47 2005)
- Boër, Karl W., ed. **The Fifty-Year History of the International Solar Energy Society and its National Sections**. Boulder, Co.: American Solar Energy Society, c2005. Description 2 v. (TJ810 F53 2005)
- Brandon, Peter S. and Lombardi, Patrizia L. **Evaluating Sustainable Development in the Built Environment**. Oxford, UK; Malden, MA: Blackwell Science, 2005. Description viii, 232 p. (HT241 B73 2005)
- Buchanan, Peter. **Ten Shades of Green: Architecture and the Natural World**. New York: Architectural League of New York, c2005. Description 128 p. (NA2542.35 B83 2005)
- Canada Mortgage and Housing Corporation. **Before You Start an Energy Efficient Retrofit --Mechanical Systems**. About Your House; CE 28i. Rev. 2005. Ottawa: The Corporation, 2005. Description 8 p. (CaI MH7 05P28i)
- _____. **Before You Start an Energy Efficient Retrofit --The Building Envelope**. About Your House; CE 28j. Rev. 2005. Ottawa: Canada Mortgage and Housing Corporation, 2005. Description 7 p. (CaI MH7 05P28j)
- _____. **Photovoltaics (PVs)**. About Your House; CE 43. Ottawa: Canada Mortgage and Housing Corporation, c2005. Description 8 p. (CaI MH7 05P43)
- Canada Mortgage and Housing Corporation. British Columbia and Yukon Business Centre. **Canadian Super E Demonstration Project in Shanghai**. Vancouver: Canada Mortgage and Housing Corporation, British Columbia and Yukon Business Centre; Ottawa: Natural Resources Canada, 2005. Description 20, 20 p. (CaI MH690 05C17)
- Canada Mortgage and Housing Corporation. Policy and Research Division. **City of Yorkton Downtown Redevelopment Planning Charrette**. Research Highlights. Socio-economic Series; 05-016. Ottawa: The Division, 2005. Description 6 p. (CaI MH113 05H016)

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- _____. **Costing Mechanism to Facilitate Sustainable Community Planning: Background Research and Costing Framework.** Research Highlights. Socio-economic Series; 05-023. Ottawa: Policy and Research Division, Canada Mortgage and Housing Corporation, 2005. Description 6 p. (CaI MH113 05H023)
- _____. **Effects of Thermostat Setting on Energy Consumption.** Research Highlights. Technical Series; 05-100. Ottawa: Canada Mortgage and Housing Corporation., Policy and Research Division, 2005. Description 6 p. (CaI MH116 05H100)
- _____. **Energy and Water Consumption Load Profiles in Multi-unit Residential Buildings.** Research Highlight. Technical Series; 05-119. Ottawa: Policy and Research Division, Canada Mortgage and Housing Corporation, 2005. Description 4 p. (CaI MH116 05H119)
- _____. **Smart Growth in Canada: A Report Card.** Research Highlight. Socio-economic Series; 05-036. Ottawa: Policy and Research Division, Canada Mortgage and Housing Corporation, 2005. Description 8 p. (CaI MH113 05H036)
- _____. **Sustainability, Planning Practice, Housing Form and Environmental Protection in the Toronto Region's Oak Ridges Moraine.** Research Highlights. Socio-economic Series; 05-022. Ottawa: Policy and Research Division, Canada Mortgage and Housing Corporation, 2005. Description 4 p. (CaI MH113 05H022)

Canadian Association for Renewable Energies. **Canadian Resource Guide for Renewable Energies.** Winnipeg: Matrix Group Inc. for the Canadian Association for Renewable Energies, 2005. 1 volume in various pagings (Reference TJ807.9.C3 C36)

Chauhan, Bak. **Green Energy for Remote Housing in the North: Assessment of an Integrated Energy System Utilizing Fuel Cells: Final Report.** Prepared by Aurora Research Institute; submitted to Canada Mortgage and Housing Corporation; principal investigator, Bak Chauhan. Ottawa: The Corporation, 2005. Description xi, 79 p. (CaI MH 05G62)

Summary This project involved the evaluation, field-testing, development, demonstration and deployment of fuel cells to meet power and space heating requirements of homes in remote communities of the Canadian North. The main objectives of the project were to assess fuel cell technology, to analyze its feasibility for stationary applications in the Canadian North, and to conduct economic analysis for integrating renewable energy with hydrogen fuel cells. Different types of fuel cells were assessed with respect to their applicability to northern communities. The project was conducted to determine if fuel cells are economically feasible for stationary purposes in five communities in the Inuvialuit region of Northwest Territories: Inuvik (pop. 2,894), Tuktoyaktuk (pop. 930), Sachs Harbour (pop. 114), Holman (pop. 398), and Paulatuk (pop. 286). However,

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major analysis, conclusions and recommendations are based on the conditions found in Holman, which was studied for a possible pilot project. The basic premise of this project was to study the deployment of a 2 kW or 3 kW hydrocarbon-based fuel cell in a single home to replace the grid electricity supplied from diesel and natural gas generators presently used by the Northwest Territories Power Corporation (NTPC). The costs of deploying the fuel cells over a 10 to 20 year period were compared to the present total cost of energy for single homeowners. An additional case study was conducted to see the feasibility of a 50 to 80 kW hydrocarbon fuel cell system in an apartment complex in Inuvik. An economic feasibility study was also conducted for the integrated wind-hydrogen-fuel cell system. Modelling and financial analysis were done using the widely recognized software tools, HOMER™ and RETScreen®. The analysis was conducted using several scenarios. Results indicated that the integrated wind-hydrogen-fuel cell systems are economically viable for most of the cases covering more than 20% of the population of a small community, such as Holman.

Coleman, Debra Rucker. **The Sun-Inspired House: House Designs Warmed and Brightened by the Sun.** Citronelle, AL: Sun Plans Inc., c2005. Description viii, 248 p. (NA7117.S65 C63 2005)

Crofton, Fiona S. **La planification et le développement des collectivités durables : guide de planification de charrettes de conception : rapport final.** Série sur la maison et les collectivités saines. Préparé pour Ian Smith, Service de l'urbanisme, Ville de Vancouver et Douglas Pollard, Division de la recherche, Société canadienne d'hypothèques et de logement. Rév. 2005. Ottawa : La Division, 2005. Description 73, 44 p. (Ca1 MH 05S71f)

Résumé Les charrettes de conception sont de plus en plus prisées pour amener des personnes possédant une expertise et des intérêts divers à créer ensemble des concepts de rechange innovateurs qui traduisent bien les objectifs multiples et les intérêts communs. Elles donnent corps aux idées et aux principes directeurs et peuvent être employées pour évaluer et peaufiner les politiques et les orientations de planification et d'aménagement. Dans l'ensemble, les charrettes de conception constituent un excellent moyen pour obtenir les propositions les plus créatives et aborder de front les questions les plus difficiles à très brève échéance. Le manuel dont il est question ici est censé servir de guide pour les personnes qui souhaitent accueillir ou amorcer une charrette de conception sur la planification des collectivités durables. Le guide s'applique explicitement au domaine de l'aménagement urbain, mais peut également convenir à d'autres contextes de planification. Le premier chapitre commence par introduire les concepts et les éléments de développement durables et des collectivités durables, ainsi que le rôle imparté aux concepteurs. On examine ensuite plus en détail les charrettes de conception et activités semblables en fonction de leurs buts, de leur utilité et de leur contribution à l'élaboration de politiques et à la planification des collectivités. Le chapitre fournit des informations fondamentales sur la planification durable, ainsi que des conseils permettant aux utilisateurs d'utiliser à bon escient les charrettes de conception dans leur collectivité. La partie, "C'est un départ", donne un aperçu des enjeux et des étapes clés de l'organisation d'une charrette de conception ou si l'on participe à sa mise sur pied. Cette section examine le

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contexte de prise de décision, les alliés et les ressources, les façons de susciter le soutien du plan et d'en faire la promotion ainsi que la marche à suivre pour obtenir les approbations officielles. Le chapitre intitulé "Évaluation de l'état de préparation" vous aidera à décider si vous êtes prêt ou non à poursuivre, et vous indiquera la suite en fonction de vos réponses. Planification de la charrette : La partie intitulée "Retroussons nos manches" met l'accent sur la multitude de tâches à accomplir avant la charrette. Elle comprend des sections sur les intervenants des collectivités et les communications, les consultants et les animateurs, les réunions de planification et autres options, les problèmes de conception, dont les discussions détaillées portant sur l'élaboration de l'énoncé de conception, la formation de l'équipe de conception ainsi que le choix des participants, le temps accordé et le calendrier, le choix de l'emplacement et des équipements, le matériel de soutien et tout élément additionnel de logistique. Des exemples de calendriers, de produits et de listes sont fournis. Les sections finales sont axées sur le déroulement et la gestion de la charrette ainsi que sur la documentation de soutien. Dans le dernier chapitre on traite de trucs et de conseils pour gérer les produits de la charrette, en plus des communications et des comptes rendus des exposés.

Crofton, Fiona S. **Sustainable Community Planning and Development: Design Charrette Planning Guide: Final Report.** Healthy Housing and Communities Series. Prepared for Ian Smith, Planning Department, City of Vancouver and Douglas Pollard, Research Division, Canada Mortgage & Housing Corporation. Rev. 2005. Ottawa: Canada Mortgage and Housing Corporation, 2005. Description 71, 41 p. (CaI MH 05S71)

Summary Design charrettes are increasingly popular as a way to bring a range of expertise and interests together to collaborate on creating innovative design solutions and embody multiple objectives and mutual interests. They give visual form to ideas and policies and can be used to test and refine planning and development policies and directions. Overall, they are a means to obtain the most creative proposals for addressing the most difficult problems in the least amount of time. This manual is intended as a guide for those who would like to host or otherwise initiate a design charrette process for sustainable community planning. It is directed particularly at the urban planning context but has application to other planning contexts as well. The opening chapter begins with an introduction to the concepts and elements of sustainable development and 'sustainable community', and the role of design. Design charrettes and charrette-like events are then explored in more detail in terms of their purposes, usefulness and contribution to policy development and community planning. The chapter is intended to provide foundational information regarding sustainability planning, and guidance for deciding how a design charrette can be useful in your local community. The next chapter outlines key issues and steps involved in confirming a 'go ahead' for hosting or otherwise becoming involved with a charrette. This section examines the decision-making context, allies and resources, ways of building support and promoting the plan, and getting formal approvals. "Readiness Assessments" help you determine whether or not you are ready to proceed and what to do next in accordance with your answers. Chapter 3, Pre-Charrette Planning: Roll up Your Sleeves, is focused on the host of tasks to be completed in advance of a charrette. It includes sections on the stakeholder community and communications;

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consultants and facilitators; advance meetings and options; design issues including detailed discussion on the development of the design brief; design team formation and participant selection; time and timing; venue and facilities; support materials; and additional logistics. Sample schedules, products and lists are provided. The final chapters focus on the choreography, management and documentation of the charrette itself. Guidance and coaching hints for handling all the products of the charrette along with post-charrette communications and presentations is contained in the final chapter.

Cuddihy, John M. M. **Toward Sustainable Urban Design: The Impact of Urban Geometry on the Energy Consumption of Buildings.**

Thesis (M.A.Sc.) --University of Toronto, 2005. Ann Arbor, MI: UMI Dissertation Services, 2007. Description xi, 136 p. (TJ163.5.B84 C82 2005 TJ163.5.B84 C82 2005)

Curwell, Stephen R.; Deakin, Mark; and Symes, Martin, eds. **Sustainable Urban Development.** New York: Routledge, 2005- (HT166 S9134)

David C. Stewart & Associates Inc. **Performance Evaluation of the Almon Street Multi-unit Residential Building.** Prepared for Housing Technology Group, Policy and Research Division, Canada Mortgage and Housing Corporation. Ottawa: The Group, 2005. Description 27, 11 p. (Ca1 MHI10 05P22)

Summary This report documents the performance of a multi-unit residential building, located in Halifax, Nova Scotia, that was designed and constructed to meet the requirements of Natural Resources Canada's Commercial Building Incentive Program (CBIP). One of the primary objectives of CBIP is to reduce the energy consumption of buildings to a level that is 25% below what the buildings would consume if constructed to the model National Energy Code for Buildings. Canada Mortgage and Housing Corporation commissioned a study to evaluate the extent to which the building met the CBIP energy requirements and to characterize the building's water consumption, indoor air quality and ventilation system performance. The results of the study are to be used to provide the building's owner with feedback on the performance of his building and where opportunities exist for improvements.

DeGrove, John Melvin. **Planning Policy and Politics: Smart Growth and the States.** Cambridge, Mass.: Lincoln Institute of Land Policy, c2005. Description viii, 355 p. (HT392 D443 2005)

Dillon Consulting Limited ... et al. **Costing Mechanism to Facilitate Sustainable Community Planning. Phase I. Background Research and Costing Framework.** Ottawa: Canada Mortgage and Housing Corporation, 2005. Description 161 p. (Ca1 MH 05C55)

Summary There has been much debate in recent years about the costs of development, both in terms of the true costs of different development forms as well how the costs of development are shared between the various public and private sectors. There is mounting evidence that more compact, mixed use

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development is a more cost-efficient and environmentally sustainable form of development than low density suburban development. However, there are very few readily available tools to demonstrate the degree to which this is true, or to effectively compare different types of development. As documented in this report, there is also a lack of data to develop a full picture of neighbourhood development costs and revenues, specifically costs related to green infrastructure items, which are now gaining prominence in the development industry. The ultimate intent of this project is to develop a tool that is available to anyone wanting to explore the costs of sustainable community development. This project is being undertaken in two Phases. The purpose of Phase I, which is the subject of this report, was to conduct background research on the key costs for development, in particular those that can be influenced by sustainable community planning. The Phase I component of this project also conducted a review of available tools for sustainable community planning, and based on this research, it outlined a framework for the development of a costing tool. Phase 2 of the project will involve the development of the costing tool itself. Phase 2 will also involve extensive testing and validation of the costing tool and underlying costing assumptions. The purpose of this Phase I report is to provide interim findings on the project, specifically the results of the background research and recommendations for development of a costing tool.

Doern, G. Bruce, ed. **Canadian Energy Policy and the Struggle for Sustainable Development.** Toronto: University of Toronto Press, c2005. Description xi, 341 p. (HD9502.C32 C347 2005)

Earley, Sandra Leibowitz. **Ecological Design and Building Schools: Green Guide to Educational Opportunities in the United States and Canada.** Oakland, Calif.: New Village Press, c2005. Description 167 p. (Reference NA2542.36 E15 2005)

Earth Pledge (Organization). **Green Roofs: Ecological Design and Construction.** Atglen, PA: Schiffer Pub., c2005. Description 158 p. (SB419.5 G76 2005)

Edwards, Andres R. **The Sustainability Revolution: Portrait of a Paradigm Shift.** Gabriola, B.C.: New Society Publishers, c2005. Description xv, 207 p. (HC79.E5 E327 2005)

Edwards, Brian. **Rough Guide to Sustainability.** 2nd ed. London: RIBA Enterprises, c2005. Description v, 218 p. (NA2542.35 E38 2005)

Evans, Bob ... et al. **Governing Sustainable Cities.** London; Sterling, VA: Earthscan, 2005. Description xii, 146 p. (JS3000 G68 2005)

Ewing, Rex A. and Pratt, Doug. **Got Sun? Go Solar: Get Free Renewable Energy to Power Your Grid-Tied Home.** Masonville, CO: PixyJack Press, 2005. Description 159 p. (TK1087 E95 2005)

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Formas (Sweden). **Sustainable Urban Development in Sweden: State of the Art.** Report; 3:2005. Stockholm: Formas, 2005. Description 106 p. (HT384.S8 S97 2005)

Fouin, Julien. **Maisons bio. Restaurer, aménager, décorer, les matériaux sains, l'isolation et le chauffage écologiques.** Paris : Maison rustique-Flammarion, 2000-2005. Description 127 p. (TH4860 F68 2005)

Gauzin-Müller, Dominique. **25 maisons écologiques.** Collection 25 réalisations. Paris : AMC Le Moniteur, c2005. (TH4860 G38 2005)

Girling, Cynthia L. and Kellett, Ronald. **Skinny Streets and Green Neighborhoods: Design for Environment and Community.** Washington, DC: Island Press, c2005. Description xvi, 175 p. (HT167 G57 2005)

Green Building Products. The GreenSpec Guide to Residential Building Materials. Brattleboro, VT: BuildingGreen Inc.; Gabriola Island, BC: New Society Publishers, c2005- Annual. (Reference TD195.B84 G73)

Greening Rooftops for Sustainable Communities: Third Annual Greening Rooftops for Sustainable Communities Conference, Awards and Trade Show, May 4-6, 2005, Washington, D.C. Toronto: Green Roofs for Healthy Cities, 2005. Description 1 CD-ROM (Cd-rom SB419.5 N67 2005)

Note IBM PC or compatible Windows 3.1 or higher; Internet Explorer version 3.0 or greater; Acrobat Reader; Flash Player; CD-ROM drive.

Guy, Simon and Moore, Steven A., eds. **Sustainable Architectures: Cultures and Natures in Europe and North America.** New York: Spon, 2005. Description xiii, 269 p. (NA2542.36 S873 2005)

Hanna, Kevin and Webber, Steven. **Sustainability, Planning Practice, Housing Form and Environmental Protection in the Toronto Region's Oak Ridges Moraine: Project Report.** Ottawa: Canada Mortgage and Housing Corporation, 2005. Description viii, 4, 6, 121 p. (Ca1 MH 05S76)

Summary Over the last decade the Toronto region has seen some of the most significant urban growth in North America. In particular, housing development has emerged as an enduring symbol of the urbanization of the region's landscape. But growth has not occurred without controversy. In the Oak Ridges Moraine area, along Toronto's northern edge, housing developments became catalysts for activism, changes in local government, and a rethinking of urban and housing form. The Oak Ridges Moraine (ORM) is an environmentally important area stretching east/west about 160 km. The Moraine extends through some of the most urbanized portions of the Great Lakes region. The ORM area has experienced extensive growth pressure. Recent applications for large housing developments were subject to opposition from local governments, conservation groups and the

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public at large. Growth along the Moraine has emerged as a significant regional and provincial political issue – it has also subjected Ontario's planning system to new levels of scrutiny and critique. While the Province of Ontario's recently implemented Oak Ridges Moraine Conservation Plan may slow the pace of sprawl in the Moraine area, several large developments will continue, and the Plan does not address planning and growth challenges in adjacent areas. This research provides an analysis of the Moraine's housing legacy, and examines the planning options available to support both sustainable community growth and housing development. Two broad central questions are considered. How have the prevalent housing trends in the ORM area contributed to recent planning challenges and conflicts? And within a growth context, how can sustainability objectives and healthy housing form be achieved in the ORM region, and potentially other urban settings? The research is based on document analyses, interviews with participants in the planning and policy processes, and a geospatial analysis of change in three Moraine communities. This study emphasizes the importance of linking growth management, housing, and planning practice. The research results provide knowledge about trends and options for advancing environmentally healthy and sustainable housing.

Harmony Foundation of Canada. **Green Cities: A Guide for Sustainable Community Development: A Companion to Harmony Foundation's Community Action Workshop Manual.** Profile for Community Action Series. Writer and contributing editor: Michael Bloomfield. Victoria, BC: The Foundation, 2005. Description iv, 124 p. (HN49.C6 G74 2005)

Holden, Meg and Connelly, Sean. **The Learning City.** Vancouver Working Group Discussion Papers for the World Urban Forum. Vancouver: Simon Fraser University, 2005. Description vii, 63 p. (HT119 H64 2005)

Jacques Whitford Limited. **West Hills Subdivision Sustainable Design Charrette, Fredericton, New Brunswick, 2004: Research Report.** Ottawa: Canada Mortgage and Housing Corporation, 2005. (Ca1 MH 05W23)

Jenks, Michael and Dempsey, Nicola, eds. **Future Forms and Design for Sustainable Cities.** Amsterdam; Boston: Architectural Press, 2005. Description xiii, 444 p. (HT241 F88 2005)

Jones, Leslie. **Tap the Sun: Passive Solar Techniques and Home Designs.** Rev. Ottawa: Canada Mortgage and Housing Corporation: Natural Resources Canada, c2005. Description 117 p. + CD-ROM (Ca1 MH 05T17)

Summary This book covers all aspects to consider with respect to passive solar house designs and techniques: solar radiation, solar energy collection and window performance, heat storage and distribution, shading and summer comfort, window selection considerations, design integration and site planning, overheating. It also includes 20 sample house designs of three varieties: detached; semi-detached and townhomes. The purpose of this book is to help make the best use of the sun's

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energy in a home. While much of the book contains information of interest to house designers and builders, homeowners will also find it valuable for its practical tips and as a primer on solar energy in general. Includes a CD-ROM that contains the following: -the Comfort Design Checker Software, an Excel-based program that estimates the appropriate window area for a planned house; -the program's user manual; -a database that lists window manufacturers and their product lines with all their specifications including data relevant to solar heat gain and heat loss; -Healthy Housing files containing useful information on house design based on five Healthy Housing principles. These include images and graphic descriptions of CMHC's Healthy House in Toronto, which illustrates passive solar techniques in use; -the Tap the Sun : Passive Solar Techniques and Home Designs book itself, which is fully searchable; and -the house designs.

Keiner, Marco; Koll-Schretzenmayr, Martina; and Schmid, Willy A., eds.
Managing Urban Futures: Sustainability and Urban Growth in Developing Countries. Aldershot, Hampshire; Burlington, VT: Ashgate, c2005. Description xv, 277 p. (HT169.5 M36 2005)

Contents Foreword : managing the future city / Gordon McGranahan -- Introduction / Marco Keiner, Martina Koll-Schretzenmayr and Willy A. Schmid -- Asian urbanization and local and global environmental challenges / Hans J.A. van Ginkel and Peter J. Marcotullio -- Sustaining urban development in Latin America in an unpredictable world / Alan Gilbert -- The urban challenge in Africa / Carole Rakodi -- The global city : strategic site, new frontier / Saskia Sassen -- A question of boundaries : planning and Asian urban transitions / Michael Leaf -- Shifting drivers of change, time-space telescoping and urban environmental transitions in Asia Pacific cities / Peter J. Marcotullio -- Civil society revisited : travels in Latin America and China / John Friedmann -- State and space in Brazil : from modernist planning to democratic intervention / Teresa Caldeira and James Holston -- The chronic poor in Rio de Janeiro : what has changed in 30 years? / Janice E. Perlman -- Unsustainable trends in spatial development in China : situation analysis and exploration of alternative development paths demonstrated by case studies of Kunming (urban) and Shaxi Valley (rural) / Jacques P. Feiner and Diego Salmerón -- Sustaining cosmopolis : managing multicultural cities / Leonie Sandercock -- Towards gigapolis? : from urban growth to evolutionable medium-sized cities / Marco Keiner -- Urban planning in the North -- Blueprint for the South? / Klaus R. Kunzmann.

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Summary The Downtown Redevelopment Charrette was hosted by the City of Yorkton, Saskatchewan from October 28th – 30th of 2004, to generate buildable and sustainable plans for a 12.1 hectare (30 acre) brownfield site located in the heart of the City. The aim was to discover what types of development would revitalize the downtown core and be supported by the community. The multi-day, multi-disciplinary working session explored various design options related to sustainable development, urban design, land use scenarios, site planning principles and architectural details. Free from most planning constraints, teams designed the study area how they saw fit. Dense mixed-use developments, sustainable housing options, area amenities and community-sensitive elements were incorporated into the study area. With the aid of various professionals, participants created development solutions that addressed the future of downtown Yorkton. Sustainability was a focal point on the agenda. The Charrette helped foster community ownership and commitment towards sustainable strategies that integrated economic, social and environmental development objectives. By linking the short term goals of viable transportation planning with the long term goals of responsible development ideas, for example, energy-efficient housing, the City of Yorkton can plan for existing generations without impeding the growth of future generations. Designs generated throughout the integrated design process will contribute to achievable plans for the future redevelopment of the study area, and ultimately the reinvestment for the City of Yorkton. The degree of commonality in plan designs reflected the community consensus for land use planning in Yorkton and the benefits of having a well thought-out, well-supported community vision.

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Summary The Seabird Island First Nation near Agassiz, BC, in partnership with CMHC, the Department of Indian and Northern Affairs (INAC) and Broadway Architects (Sieniuc + de Ridder) of Vancouver built a sustainable community demonstration project. This project consisted of seven homes that incorporated CMHC's Healthy Housing and FlexHousing design concepts. It is the first on-reserve development of its kind in the world. Six of these homes were funded within the guidelines of CMHC's Non-Profit On-Reserve Housing Program (Section 95), while the seventh home was co-funded by CMHC, INAC and more than 20 sponsors. The main goals of this project included: to demonstrate an integrated approach to designing sustainable housing to develop housing models that address key housing issues facing Aboriginal people living on reserve across Canada and to provide viable, long-lasting solutions for improving the housing stock on reserves to incorporate traditional design elements reflecting the community's culture and heritage. The Seabird Island project forms part of the Seabird Island First Nation's Sustainable Community Plan. The basic concepts of sustainable planning are addressed in the report and these include the following attributes: affordable, durable, energy efficient, achievable, flexible, healthy, environmentally responsible and community oriented planning. These sustainable planning principles are illustrated by short descriptions and diagrams of rainscreens, a wind turbine, solar roofs, earth tubes and radiant heat floors and preheated domestic water. The report also offers a step-by-step description of how other First Nations can implement a sustainable community project and also includes a checklist of sustainable features. The report concludes with a listing of the main partners in the project and their roles as well as a listing of sponsors and their business areas. A product directory of the main building suppliers with their contact information is also provided.

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Canadian Solar Industries Association. **Hatching the Golden Egg: Solar and Zero Energy Building,** November 3-6, Ottawa, Ontario. S.I.: Canadian Solar Industries Association, 2004. Description 1 computer laser optical disc (CD-ROM TJ810 C35 2004)

Cedaridge Group Ltd. ... et al. **Conservation de l'eau et de l'énergie dans les immeubles résidentiels : guide de l'utilisateur et manuel technique à l'intention des propriétaires et des gestionnaires d'immeubles.** Préparé pour Division de la politique et de la recherche, Société canadienne d'hypothèques et de logement. Ottawa : La Division, c2004. Description 6, 208 p. (CaI MHI 10 04E58f)

Résumé De nos jours, assurer la conservation de l'électricité et de l'eau est crucial pour les propriétaires et gestionnaires immobiliers. Selon le climat, les coûts de l'énergie et de l'eau dans les immeubles résidentiels peuvent représenter de 25 à 50 % de l'ensemble de coûts d'exploitation. Si les modifications apportées aux normes et aux codes du bâtiment au cours des 20 dernières années ont permis des économies d'énergie et d'eau dans les immeubles récents, plus de 50 % des immeubles ont été construits avant 1980 et peu d'entre eux ont été rénovés pour qu'ils répondent aux normes actuelles d'efficacité énergétique. Améliorer l'efficacité de la consommation d'énergie et d'eau peut réduire les coûts d'exploitation, les frais d'entretien et les taux de roulement des locataires, accroître la valeur d'un immeuble et en prolonger la durée utile. La SCHL, en partenariat avec le ministère des Affaires municipales et du Logement de l'Ontario, a préparé un manuel qui décrit en détail les mesures d'efficacité énergétique et d'utilisation plus efficace de l'eau pour les collectifs d'habitation existants. Le document, fondé sur un manuel préparé à l'origine par le ministère du Logement de l'Ontario au début des années 80, présente des mesures éprouvées et actuelles d'efficacité énergétique pour l'enveloppe du bâtiment ainsi que les systèmes mécaniques, électriques et de chauffage de l'eau. Le Guide de l'utilisateur comme le Manuel technique sont conçus pour aider les gestionnaires immobiliers à mettre en oeuvre un programme de conservation de l'énergie et de l'eau dans les immeubles résidentiels de moyenne et de grande hauteur. Vous pouvez vous en servir pour faciliter l'organisation de vos activités, élaborer des plans détaillés de conservation de l'énergie et de l'eau et savoir quelles mesures de conservation de l'énergie et de l'eau répondent le mieux à vos besoins. Le Guide de l'utilisateur vous fournit des conseils sur la façon de gérer vos activités : réalisation d'une évaluation préliminaire de la consommation d'eau et d'énergie, détermination des mesures pertinentes de conservation, estimation des retombées et élaboration d'un plan de conservation de l'énergie et de l'eau. Le Manuel technique expose en détail plus de 60 mesures de conservation de l'énergie et de l'eau pour les collectifs d'habitation. Pour chaque mesure, on indique tous les détails de base sur l'évaluation de la viabilité de la mesure en fonction des exigences particulières de vos immeubles ainsi que des recommandations sur l'intégration de la mesure aux travaux d'entretien régulier, de réparation et/ou de rénovation ou d'amélioration

de l'efficacité thermique. Chaque mesure peut être appliquée isolément, en conjonction avec d'autres mesures, ou intégrée aux travaux d'entretien, de réparation et de rénovation ou d'amélioration de l'efficacité thermique.

Cedaridge Group Ltd. ... et al. **Energy and Water Efficiency in Multi-unit Residential Buildings: A User Guide and Technical Manual for Property Managers and Owners.** Prepared for Policy and Research Division, Canada Mortgage and Housing Corporation. Rev. June 2004. Ottawa: The Division, c2004. Description 5, 204 p. (Ca1 MHI10 04E58)

Summary Implementing energy and water efficiency is a crucial consideration for today's property managers and building owners. Energy and water costs in multi-residential buildings can account for anywhere from 25% to 50% of total operating costs. While amendments to building codes and standards over the past 20 years have improved energy and water performance in newer buildings, over 50% of housing was constructed prior to 1980. Few of those have been upgraded to today's standards of energy efficiency. Improving energy and water efficiency can decrease operating costs, reduce maintenance fees, lower tenant turnover rates, increase the asset value of property, and extend the life of the building. CMHC, in partnership with the Ontario Ministry of Municipal Affairs and Housing (OMMAH), has developed a manual that details energy and water efficiency measures for existing multi-unit residential buildings. The document is based on a manual originally developed by the Ontario Ministry of Housing in the early 1980's. The new manual offers proven, current energy efficiency measures for the building envelope, mechanical, electrical, and domestic hot water heating systems. Both the User Guide and Technical Manual are designed to assist property managers in implementing an energy and water conservation program in mid- and high-rise residential buildings. They can be used to help organize activities, develop detailed energy and water conservation plans, and provide an understanding of which energy and water efficiency measures are best. The User Guide provides advice on how to manage activities, from conducting an energy/water preliminary assessment, determining appropriate conservation measures, estimating payback and the development of an energy/water plan. The Technical Manual outlines in detail more than 60 energy and water conservation measures for multi-unit buildings. Each provides basic details on assessing the viability of measures in relation to the specific requirements of buildings, as well as recommendations on integrating measures into ongoing maintenance, repair and/or renovation/retrofit work. Each measure can be used in isolation, in selected groupings, or integrated into any maintenance, repair and/or renovation/retrofit work on the building.

Chiras, Daniel D. **The New Ecological Home: A Complete Guide to Green Building Options.** White River Junction, Vt.: Chelsea Green Pub. Co., c2004. Description ix, 325 p. (TH4860 C45 2004)

Church, Chris with Grant, Charlie. **Changing Where We Live: A Guide to Working With Communities to Create Green and Sustainable Communities.** London: Community Development Foundation in conjunction with Groundwork UK, 2004. Description viii, 76 p. (HN400.C6 C492 2004)

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Déoux, Suzanne et Déoux, Pierre. **Le guide de l'habitat sain : habitat qualité santé pour bâtir une santé durable.** 2 éd. Andorra : Medieco éditions, c2004. Description 537 p. (RA770 D46 2004)

Duncanson, Archie. **Ecology Begins at Home: Using the Power of Choice.** Totnes, Devon: Green Books, 2004. Description 127 p. (GF77 D86 2004)

Dunnett, Nigel and Kingsbury, Noël. **Planting Green Roofs and Living Walls.** Portland, Or.: Timber Press, 2004. Description vii, 254 p. (SB419.5 D85 2004)

Earth Day New York (Organization). **The Costs and Benefits of High Performance Buildings: Lessons Learned.** New York: Earth Day New York, 2004. Description 136 p. (NA2542.36 C67)

Energy Innovators Initiative (Canada). **Saving Money Through Energy Efficiency: A Guide to Implementing an Energy Efficiency Awareness Program.** Ottawa: Energy Innovators Initiative, Natural Resources Canada, c2004. Description 32 p. (Ca1 MS300 04S15)

Ericksen, Neil J. ... et al. **Plan-Making for Sustainability: The New Zealand Experience.** Urban Planning and Environment Series. Aldershot, Hants, England; Burlington, VT: Ashgate, c2004. Description xx, 350 p. (GE190.N45 P56 2004)

Fabre, Jean-Charles. **Maison entre terre et ciel.** Paris : Éditions Véga, c2004. Description 197 p. (NA2542.35 F23 2004)

Frumkin, Howard; Frank, Lawrence D.; and Jackson, Richard. **Urban Sprawl and Public Health: Designing, Planning, and Building for Healthy Communities.** Washington, DC: Island Press, c2004. Description xxi, 338 p. (HT384.U5 F78 2004)

Gaia Research. **Urban Ecology.** Sustainable Construction CPD; module 15. Edinburgh: Gaia Research, c2004. Description 12 p. (HD9715.A1 S97 no. 15)

Galloway, Terry. **Solar House: A Guide for the Solar Designer.** Oxford: Architectural Press, 2004. Description xvii, 216 p. (TH7414 G34 2004)

Gipe, Paul. **Wind Power: Renewable Energy for Home, Farm, and Business.** Completely rev. and expanded ed. White River Junction, VT: Chelsea Green Pub. Co., c2004. Description xii, 496 p. (TJ820 G57 2004)

Contents Introduction -- Applications --How to use the wind -- Measuring the wind -- Estimating output --How much to expect -- Economics --Does wind pay? -- Evaluating the technology - -What works and what doesn't -- Towers -- Cutting

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costs, not corners -- Buying a wind system -- Interconnection with the utility -- Off-the grid power systems -- Pumping water -- Siting -- Installation -- Operation, performance, and maintenance -- Safety -- Looking to the future.

Girardet, Herbert. **Cities People Planet: Liveable Cities for a Sustainable World.** Chichester, West Sussex: Wiley-Academy, 2004. Description viii, 296 p. (HT166 G57 2004)

Contents Ch. 1. Big feet, small planet -- Ch. 2. In the beginning -- Ch. 3. From Rome to Edo -- Ch. 4. Technology - triumph and tragedy -- Ch. 5. Globalisation and megacity growth -- Ch. 6. Cities as eco-technical systems -- Ch. 7. Transport and the city -- Ch. 8. Creating liveable cities -- Ch. 9. Solar cities - from theory to practice -- Ch. 10. Towards zero waste -- Ch. 11. Using water efficiently -- Ch. 12. Relearning urban agriculture -- Ch. 13. Building EcoPolis.

Gough, Bruce D. **A Guide to the U.S. Energy Star Program for Canadian Housing Exporters.** Ottawa: CMHC International, c2004. Description iv, 35, 10, 6, 3 p. (Ca1 MH56 04G77)

Summary ENERGY STAR is a US national voluntary program for the labeling of energy efficient products. The purpose of this guide is to introduce exporters to the ENERGY STAR Program and to help guide those who may wish to apply the ENERGY STAR label to their export products. The major focus is upon the application of ENERGY STAR to new houses in the US. Other sections of the report review the requirements for other ENERGY STAR eligible housing products that may be exported to the US including windows and doors, heating and cooling equipment, and, reflective roof products. With the exception of houses, these products may also be labeled and marketed with the ENERGY STAR in Canada. A major sub-objective of this work was to compare ENERGY STAR for Homes with Canadian building code requirements and with the R-2000 Standard which is the Canadian voluntary labeling program for efficient new houses. While ENERGY STAR for Homes differs from R-2000 there is an opportunity for exporters to transfer skills and knowledge from the Canadian experience to the US through ENERGY STAR. A study was undertaken which compares the energy performance of a number of house plans built to the Canadian standards and using the ENERGY STAR rating software. The results of this study are attached to this report as Appendix A: Comparisons with Canadian Standards and an "ENERGY STAR Ready" Package. An "ENERGY STAR Ready" Package is recommended for exporters and the sensitivity of the performance rating of the package is examined in different locations across the US and through a series of changes to the specification.

Gough, Bruce D. **Guide sur le Programme Energy Star des États-Unis à l'intention des exportateurs canadiens du secteur de l'habitation.** Ottawa : SCHL International, c2004. Description v, 40, 12, 8, 4 p. (Ca1 MH56 04G77f)

Résumé ENERGY STAR est un programme national américain à participation volontaire d'étiquetage des produits éconergétiques. L'objectif du guide est de présenter le programme ENERGY STAR aux exportateurs canadiens et de les

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aider à obtenir la certification ENERGY STAR pour leurs produits d'exportation. Le guide porte principalement sur la certification ENERGY STAR des maisons neuves aux États-Unis. D'autres sections du guide examinent les exigences d'ENERGY STAR pour d'autres produits du secteur de l'habitation susceptibles d'être exportés aux États-Unis, notamment les portes et fenêtres, l'équipement de chauffage et de climatisation et les produits réfléchissants de toiture. À l'exception des maisons, tous ces produits peuvent être également certifiés ENERGY STAR au Canada et mis en marché comme tels. Le guide compare également le programme ENERGY STAR pour les maisons aux exigences canadiennes des codes du bâtiment et à la norme R-2000, le programme canadien d'étiquetage volontaire des maisons neuves éconergétiques. Bien que le programme ENERGY STAR pour les maisons diffère de la norme R-2000, ENERGY STAR représente une occasion, pour les exportateurs canadiens, de diffuser aux États-Unis leurs connaissances tirées de leur expérience au Canada. Une étude a été entreprise dans le but de comparer le rendement énergétique d'un certain nombre de maisons construites conformément aux normes canadiennes et évaluées au moyen du logiciel d'évaluation ENERGY STAR. Les résultats de cette étude sont présentés dans l'annexe A : Comparaison entre les normes canadiennes et un ensemble de spécifications « Prêt pour ENERGY STAR ». Un ensemble de spécifications « Prêt pour ENERGY STAR » est recommandé aux exportateurs. En outre, on a évalué l'effet de divers paramètres sur l'évaluation du rendement, notamment la situation géographique aux États-Unis et diverses modifications apportées aux spécifications.

Greening Rooftops for Sustainable Communities: second annual Greening Rooftops for Sustainable Communities Conference, Awards and Trade Show, June 2-4, 2004, Portland, Oregon. Toronto: Green Roofs for Healthy Cities, 2004. Description 1 CD-ROM (IBM PC or compatible Windows 3.1 or higher; Internet Explorer version 3.0 or greater; Acrobat Reader; Flash Player; CD-ROM drive. (CD-ROM SB419.5 N67 2004)

Hanson, Barry J. **Energy Power Shift**. Maple, Wis.: Lakota Scientific Press, c2004. Description 204 p. (TJ807.9.U6 H36 2004)

Heinberg, Richard. **Powerdown: Options and Actions for a Post-Carbon World**. Gabriola, B.C.: New Society Publishers, c2004. Description xiii, 209 p. (HC79.E5 H443 2004)

Henderson, Shawna. **Greenhouse Gas Reductions in Suburban Settings**. Glen Haven, NS: Abri Sustainable Design & Consulting, 2004. Description xi, 70 p. (TJ163.5.D86 H46 2004)

Henning, Hans-Martin, ed. **Solar-Assisted Air-Conditioning in Buildings: A Handbook for Planners**. Wien; New York: Springer, c2004. Description xiv, 136, 14 p. (TH7687.9 S633 2004)

Hough, Michael. **Cities and Natural Process: A Basis for Sustainability**. 2nd ed. London; New York: Routledge, 2004. Description 292 p. (HT166 H664 2004)

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Imada, Shari and Pickles, Scott. **Integrated Design Charrette for Sustainable Affordable Housing: Charrette Results, Calgary, AB.** Prepared for Canada Mortgage and Housing Corporation. S.l.: s.n., 2004. Description 22 leaves (HD7305.C34 I42)

Summary The 2-day Integrated Design Charrette for Sustainable Affordable Housing was held in Calgary on January 21st - 22nd, at the Carriage House Inn, near by the proposed development site. The goal of the charrette was to examine possible design solutions for the creation of a sustainable, affordable housing community for those who cannot afford the higher prices that have become the norm for the City of Calgary. Dome Britannia Properties wanted to have a flagship model of sustainable and affordable residential development. As such, the specific objectives for the design charrette were as follows: Ensure that any design concepts take into consideration green/environmental stewardship. The development should utilize the best in sustainable development technology and applications. Succeed in encouraging its occupants to adopt environmentally friendly practices in their day-to-day lives. Create a project that can integrate people from different walks of life with the objective of creating a framework for a vibrant sustainable community. The project may include a combination of market, near market, affordable and seniors' housing. Recreational facilities and programs, interaction between children and seniors, green spaces and the possible inclusion of medical or commercial amenities are all examples of what could be included in the overall concept. Determine the pros and cons of rental versus ownership. The development could allow for rental units or owner occupied units. Create affordable housing. The rent of a two bedroom unit to be around \$600/month. Provide the balance between the provision of affordable housing and the costs of sustainable development. The costs for the sustainable development should be the same as for conventional development, or, at the very least, the payback on ongoing cost saving measures must have a reasonable time frame attached. If the costs of going green are incrementally higher, determine the possibility of subsidies, grants, private donations or discounted interest rates from green or socially conscious lenders, which may be available to defray those additional costs. This report describes the Integrated Design Process used, the teams, the resources, results, analysis and conclusions of the charrette.

Initiative des innovateurs énergétiques (Canada) **Des économies d'argent et d'énergie : guide de mise en oeuvre d'un programme de sensibilisation à l'efficacité énergétique.** Ottawa : Initiative des innovateurs énergétiques, Ressources naturelles Canada, c2004. Description 32 p. (CaI MS300 04S15f)

International Energy Agency. **Renewable Energy: Market & Policy Trends in IEA Countries.** Paris: IEA, c2004. Description 668 p. (ZZ ED120 04R22)

James, Sarah and Lahti, Torbjörn. **The Natural Step for Communities: How Cities and Towns can Change to Sustainable Practices.** Gabriola, BC: New Society Publishers, 2004. Description xxiv, 279 p. (HT243.S8 J35 2004)

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- Johnston, David and Master, Kim. **Green Remodeling: Changing the World One Room at a Time.** Gabriola, B.C.: New Society Publishers, c2004. Description xix, 379 p. (TH4816 J626 2004)
- Kemp, William H. **Smart Power: An Urban Guide to Renewable Energy and Efficiency.** Tamworth, Ont.: Aztext Press, c2004. Description 416 p. (TJ163.5.D86 K45 2004)
- Kennedy, Joseph F., ed. **Building without Borders: Sustainable Construction for the Global Village.** Gabriola, B.C.: New Society Publishers, c2004. Description xviii, 253 p. (NA2542.36 B86 2004)
- Krigger, John T. and Dorsi, Chris. **Residential Energy: Cost Savings and Comfort for Existing Buildings.** 4th ed. Helena, Mont.: Saturn Resource Management Inc., c2004. Description 318 p. (TJ163.5.D86 K74 2004)
- La Grange, Christian. **Cabanons à vivre : rêverie, écologie et conseils pratiques.** Mens, France: Terre vivante, c2004. Description 143 p. (TH4860 L3 2004)
- Laughton, Chris. **Tapping the Sun: A Guide to Solar Water Heating: How to Adapt Your Domestic Plumbing to Use the Sun's Heat.** 4th ed. Machynlleth, Powys: Centre for Alternative Technology, c2004. Description 20 p. (TH6561.7 L38 2004)
- Lstiburek, Joseph W. **Builder's Guide: Cold Climates: A Systems Approach to Designing and Building Homes that are Safe, Healthy, Durable, Comfortable, Energy Efficient and Environmentally Responsible.** Rev. Bloomington, Minn.: Energy & Environmental Building Association, c2004. Description xix, 466 p. (TH153 L88 2004)
- Marchettini, Nadia ... et al., eds. **The Sustainable City III: Urban Regeneration and Sustainability. Third International Conference on Urban Regeneration and Sustainability, Siena, Italy, 2004.** International Series on Advances in Architecture; v. 18. Southampton: WIT, c2004. Description 728 p. (HT170 I38 2004)
- Mattock, Christopher and Theaker, Ian. **Multi-unit Residential Building Envelopes Designed for Renewable Energy, Halifax, Nova Scotia.** Prepared for Housing Technology Group, Policy and Research Division, CMHC. Vancouver: Habitat Design + Consulting; Portland, Ore.: Integral Design / Engineering, 2004. Description 85 p. (TJ163.5.D86 M385 2004)

Summary Passive solar energy collection, solar control, and natural ventilation techniques have been used to heat, cool and light buildings from prehistoric times. Many of these techniques consciously crafted building envelopes to control heat

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and light between dwelling units and the outdoors. However, most designers of modern multi-unit residential buildings (MURBs) have largely overlooked these opportunities for a variety of reasons. Increasing fossil fuel costs and more sophisticated engineering analysis tools such as network airflow analysis and computational fluid dynamics software have encouraged the design of renewable energy approaches. However, there is still a widespread perception in the Canadian design industry that renewable energy technologies are inherently expensive. The report looks at various renewable energy approaches for MURBs: passive space heating, semi passive space heating, passive cooling, semi passive cooling, passive ventilation, daylighting and solar domestic water heating and focuses on a recently constructed project in Halifax, Nova Scotia. An integrated design process (IDP) was used in formulating the design. An IDP is an approach that brings together all of the parties that influence the design of a building as well as those that use the building at the very early stages of the design process. The goal of an IDP is to arrive at optimal building performance solutions while keeping costs within budgetary constraints. The report describes typical MURB constructions currently in use in the Maritimes, energy costs and modeling, climatic factors, energy efficiency performance indicators, building form issues, estimated system costs and energy savings costs by employing renewable energy measures. An industry survey of building industry professionals in the Halifax area was carried out in order to estimate the existing utilization of energy related technologies in MURBs as well as the interest in the future use of these technologies. The authors conclude with a list of recommendations regarding the informational requirements of builders of MURBs with respect to renewable energy.

McLennan, Jason F. **The Philosophy of Sustainable Design: The Future of Architecture.** Kansas City, Miss.: Ecotone LLC, c2004. Description xxvi, 324 p. (NA2542.36 M32 2004)

Miller, Donald and Roo, Gert de, eds. **Integrating City Planning and Environmental Improvement: Practicable Strategies for Sustainable Urban Development.** Urban Planning and Environment Series. 2nd ed. Aldershot, Hants, England; Brookfield, Vt.: Ashgate, c2004. Description xv, 336 p. (HT241 I557 2004)

Miozzo, Marcela and Dewick, Paul. **Innovation in Construction: A European Analysis.** Cheltenham, UK; Northampton, MA: Edward Elgar Pub., c2004. Description viii, 156 p. (HD9715.E82 M56 2004)

Neegan Burnside Ltd. **Sharing the Story: Aboriginal and Northern Energy Experiences.** Ottawa: Indian and Northern Affairs Canada; Natural Resources Canada and Public Works and Government Services Canada, 2004. Description 88 p. (Ca1 IA 04S37)

Neegan Burnside Ltée. **Anecdotes de réussites : expériences énergétiques des collectivités autochtones et nordiques.** Ottawa : Affaires indiennes et du Nord Canada, 2004. Description 88 p. (Ca1 IA 04S37f)

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Noyes, Nigel. **Sticks, Stones, Mud Homes: Natural Living.** Prahran, Victoria: Hardie Grant Books, 2004. Description 189 p. (NA2542.35 N69 2004)

Paloheimo, J. E. and Hart, Douglas. **Understanding Multi-residential Energy and Water End-Use Load Profiles.** Submitted to Housing Technology Group, Policy and Research Division, Canada Mortgage and Housing Corporation. Ottawa: The Group, 2004. Description v, 25, 31 p. (Ca1 MHI10 04U55)

Summary Energy used in residential buildings is a major energy use in Canada (21% of all energy) and presumably in most areas in the Northern hemisphere. A substantial fraction of this energy (24%) is used in multi-residential buildings. However, very little attention has been given to examining the patterns of energy and water consumption, let alone how they can be improved. This report suggests that significant savings and improvements in the efficiency of multi-residential systems are achievable, and this could go a long way toward reducing energy usage and fulfilling Canadian Kyoto obligations. Watershed Technologies Inc. and OZZ Energy Solutions Inc. have been monitoring energy and water usage in multi-residential buildings in the Toronto area since 1996. The present analysis looks at detailed (hourly) gas and electricity loads in 34 buildings and water consumption in 21 buildings over a two-year period from May 2001 to April 2003. An earlier report by OZZ documented the different physical features of these buildings and presented an overall summary and a preliminary analysis of gas, electricity and water consumption data along with daily and seasonal summaries. A more detailed analysis is offered in the present report. A new model is developed which describes the building's energy consumption for cooling and heating more effectively than the traditional degree-day model. The new model quantifies not only the changes in energy load per unit change in temperature but also its effective thermal capacity, the heating system overhead and system response to other weather factors, namely wind, relative humidity and solar access. More than two fold differences in the energy per unit area or water used per apartment unit among the buildings are observed. A study of seasonal and daily variability suggests that at least a part of these differences in the building energy efficiency can be attributed to poor or complete lack of energy management in many of the buildings. The data also suggests that in-suite electric heating is 2.5 times more efficient than central gas heating systems in multi-residential buildings. The same appears true of in-suite air conditioning, when compared to centralized cooling systems.

Percel, Anthony. **In a Sacred Way We Build.** Documentary on the Seabird Island First Nation Sustainable Community Demonstration Project. Writer and director, Anthony Percel. S.l.: Omni Film Productions, c2004. Description 1 videocassette (ca. 29 min. -- VHS) (Audio Visual E98.H58 P39 2004)

Pinderhughes, Raquel. **Alternative Urban Futures: Planning for Sustainable Development in Cities Throughout the World.** Lanham, Md.: Rowman & Littlefield, c2004. Description xvi, 272 p. (HT241 P556 2004)

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Pitts, Adrian C. **Planning and Design Strategies for Sustainability and Profit: Pragmatic Sustainable Design on Building and Urban Scales.** Oxford; Boston: Architectural Press, 2004. Description xi, 244 p. (NA2542.36 P578 2004)

Pressman, Norman. **Shaping Cities for Winter: Climatic Comfort and Sustainable Design.** Prince George, B.C.: Winter Cities Association, c2004. Description x, 116 p. (HT166 P696 2004)

Salomon, Thierry et Bedel, Stéphane. **La maison des (néga)watts : le guide malin de l'énergie chez soi.** Rev. Mens : Terre vivante, c2004. (TJ163.5.D86 S244 2004)

Smith, Peter F. **Eco-refurbishment: A Guide to Saving and Producing Energy in the Home.** Burlington, MA: Architectural Press, 2004. Description xiii, 126 p. (TJ163.5.D86 S59 2004)

Société canadienne d'hypothèques et de logement. **Atelier sur la planification durable : cahier de travail : planification et développement durables pour les petites collectivités.** Ottawa : La Société, 2004? Description 1 v. (pagination multiple) (Ca1 MH 04S77f)

_____. **Bâtir un avenir écologique : Première nation Seabird Island projet de démonstration -- collectivité durable.** Ottawa : Société canadienne d'hypothèques et de logement, 2004. Description 36 p. (Ca1 MH 04B77f)

Résumé La Première nation Seabird Island, située près de Agassiz, en C.-B., a réalisé, en partenariat avec la SCHL, le ministère des Affaires indiennes et du Nord canadien (MAINC) et le cabinet Broadway Architects (Sieniuc + de Ridder) de Vancouver, un projet de démonstration de communauté durable. Il s'agissait de construire sept maisons qui transposaient les principes conceptuels de la Maison saine et du Bâti-Flex de la SCHL. C'est le premier aménagement du genre dans une réserve à voir le jour dans le monde entier. Six des sept maisons ont été financées conformément aux directives du Programme de logement sans but lucratif (article 95) de la SCHL, alors que la septième l'a été collectivement par la SCHL, le MAINC et plus de 20 organismes de parrainage. Voici les principaux objectifs poursuivis : faire la démonstration d'une technique intégrée de conception d'habitations durables; élaborer des modèles d'habitation qui relèvent les principaux défis auxquels sont confrontés les peuples autochtones vivant dans les réserves au Canada et trouver des solutions viables et durables en vue d'améliorer l'état des logements dans les réserves; intégrer les éléments conceptuels traditionnels reflétant la culture et l'héritage de la communauté. Le projet de Seabird Island s'inscrit dans le plan de communauté durable de la Première nation Seabird Island. Les principes de base de la planification durable sont traités dans le rapport; en voici d'ailleurs les attributs : abordables, durables, éconergétiques, réalisables, flexibles, sains, écologiques et orientés vers la communauté. Les principes de planification durable font l'objet de courtes descriptions et de diagrammes de l'écran pare-pluie, d'une turbine éolienne, de toits solaires, de tubes souterrains et de planchers chauffés par rayonnement et du préchauffage de l'eau.

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Le rapport offre également, étape par étape, une description de la façon dont les autres Premières nations pourront réaliser un projet de communauté durable, en plus d'offrir une liste de vérification des caractéristiques durables. Le rapport se termine par la liste des principaux partenaires et du rôle qu'ils ont joué, ainsi que des organismes de parrainage et de leur domaine d'activité. Il renferme aussi le répertoire des produits des principaux fournisseurs de matériaux de construction et fournit de l'information concernant les personnes ressources.

Société canadienne d'hypothèques et de logement. **Rénovation éconergétique.** Ottawa : La Société, 2004. Description 11 numéros (CaI MH7.5 04P01f - CaI MH7.5 04P11f)

Contenu: no. 1 : Les Maisons construites avant la Seconde Guerre mondiale; no. 2 : Les maisons d'après-guerre d'un étage et demi; no. 3 : Les Maisons de deux étages construites après les années 1960; no. 4 : Les Maisons de plain-pied des années 1960 et 1970; no. 5 : Les Maisons à demi-niveaux; no. 6 : Les Maisons avec entrée à mi-étage; no. 7 : Maisons mobiles; no. 8 : Les Duplex et les triplex; no. 9 : Maisons en rangée; no. 10 : Maisons avec sous-sol à entrée directe; no. 11 : Des ajouts courants.

Société canadienne d'hypothèques et de logement. Division des politiques et de la recherche. **Besoins d'énergie et disponibilité dans le logement.** Le Point en recherche. Série technique ; 04-116. Ottawa : La Division, 2004. Description 6 p. (CaI MH116 04H116f)

_____. **Charrette d'urbanisme du projet-pilote village eco-tech de la municipalité de Milton : faire des choix pour des collectivités durables.** Le Point en recherche. Série socio-économique 04-011. Ottawa : Société canadienne d'hypothèques et de logement, Division des politiques et de la recherche, 2004. Description 8 p. (CaI MH113 04H011f)

_____. **Charrette sur la conception de logements intégrés, écologiques et abordables destinés à Calgary.** Le Point en recherche. Série technique ; 04-102. Ottawa : Division des politiques et de la recherche, Société canadienne d'hypothèques et de logement, 2004. Description 6 p. (CaI MH116 04H102f)

_____. **Des outils pour un urbanisme durable à long terme : les charrettes de conception citiesplus.** Le Point en recherche. Série socio-économique 04-003. Ottawa : Division des politiques et de la recherche, Société canadienne d'hypothèques et de logement, 2004. Description 8 p. (CaI MH113 04H003f)

_____. **Leçons tirées de l'utilisation de mesures d'appréciation du rendement pour la mise en oeuvre de collectivités durables.** Le Point en recherche. Série socio-économique 04-018. Ottawa : Division des politiques et de la recherche, Société canadienne d'hypothèques et de logement, 2004. Description 4 p. (CaI MH113 04H018f)

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- _____. **Mesures de réduction de la consommation énergétique misant sur des technologies innovatrices axées sur l'enveloppe des bâtiments.** Le Point en recherche. Série technique ; 04-110. Ottawa : Division des politiques et de la recherche, Société canadienne d'hypothèques et de logement, 2004. Description 4 p. (CaI MHI16 04HI10f)
- _____. **Planification et développement des collectivités durables : outils de participation et pratiques.** Le Point en recherche. Série socio-économique no 97. Rev. juillet 2004. Ottawa : Division des politiques et de la recherche, Société canadienne d'hypothèques et de logement, 2004. Description 4 p. (CaI MHI13 02H97af)
- _____. **UniverCity : évaluation de la demande des consommateurs à l'égard du développement durable.** Le Point en recherche. Série socio-économique 04-022. Ottawa : Division des politiques et de la recherche, Société canadienne d'hypothèques et de logement, 2004. Description 8 p. (CaI MHI13 04H022f)
- Solar Energy International. **Photovoltaics: Design and Installation Manual: Renewable Energy Education for a Sustainable Future.** Gabriola, B.C.: New Society Publishers, c2004. Description xviii, 317 p. (TKI087 P4837 2004)
- Sorensen, André; Marcotullio, Peter J.; and Grant, Jill, eds. **Towards Sustainable Cities: East Asian, North American and European Perspectives on Managing Urban Regions.** Urban Planning and Environment Series. Aldershot, Hants, England; Burlington, VT, USA: Ashgate, c2004. Description xv, 308 p. (HT24I T678 2004)
- Ukaga, Okechukwu and Maser, Chris. **Evaluating Sustainable Development: Giving People a Voice in Their Destiny.** Sterling, Va.: Stylus Publishing, 2004. Description xv, 203 p. (HC79.E5 U38 2004)
- Underwood, C. P. and Yik, Francis. **Modelling Methods for Energy in Buildings.** Oxford; Malden, MA: Blackwell Science, 2004. Description x, 295 p. (TH7226 U53 2004)
- Vivre en ville (Association) **Vers des collectivités viables : trousse d'action.** Direction du projet, Jérôme Vaillancourt ; coordination à la recherche et la rédaction, Michel Ouellet ; recherche et rédaction, Caroline Brodeur et al. Québec : Vivre en ville, 2004. Description 1 emboîtement (HT24I V46 2004)
- Nota Comprend 1 guide (3 v.), 2 vidéocassettes et 1 CD-ROM. VHS. Configuration requise: PC : processeur Pentium II ou plus récent; Macintosh : processeur Power PC 600 Mhz (Processeur G3).
- Westendorff, David G., ed. **From Unsustainable to Inclusive Cities.** Geneva: United Nations Research Institute for Social Development (UNRISD), 2004. Description xi, 256 p. (UN5 SD 04F67)

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Wheeler, Stephen Maxwell. **Planning for Sustainability: Creating Livable, Equitable, and Ecological Communities.** New York: Routledge, 2004. Description vi, 280 p. (HT166 W484 2004)

Wheeler, Stephen Maxwell and Beatley, Timothy, eds. **The Sustainable Urban Development Reader.** Routledge Urban Reader Series. London; New York: Routledge, 2004. Description xiii, 348 p. (HT166 S9135 2004)

Wrigley, Derek F. **Making Your Home Sustainable.** 2nd ed. Mawson, Australia: Derek Wrigley Design, 2004. Description 1 v. (various pagings) (TH7414 W74 2004)

Yudelson, Jerry. **The Insider's Guide to Marketing Green Buildings.** Portland, OR: Green Building Marketing, 2004. Description viii, 206 p. (HF5413 Y72 2004)

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Alsek Writing. **Pushing the Envelope: Making Yukon Homes Green.** Writing and research by Alsek Writing. Whitehorse: Yukon Development Corporation, c2003. Description 25 p. (Ca2 YU DC 03P72)

Andrén, Lars. **Solar Installations: Practical Applications for the Built Environment.** London: James & James, c2003. Description iv, 130 p. (TH7413 A4 2003)

Baouendi, Rym. **Development of a Prototype Tool for the Evaluation of the Sustainability of Canadian Houses.** Thesis (M.A.Sc.) --Concordia University, 2003. Ann Arbor, MI: UMI Dissertation Services, 2007. Description xii, 169 p. (TJ163.5.D86 B36 2003)

Bayswater Consulting Group. **Setting Priorities for More Sustainable Communities: A Guide.** Ottawa: Canada Mortgage and Housing Corporation, 2003. Description vi, 112 p. (Ca1 MH 03S26)

Summary Every day, municipal councils, businesses and individuals in Canadian cities, towns, and villages make a variety of conscious and implicit choices with environmental impacts, small or large. These include individual and community-scale purchases, construction and renovation, waste disposal, driving patterns, types of appliances and equipment used, etc. Over time, whole communities move either toward or away from becoming more "sustainable". That is, they determine whether they will pass on to future generations natural and built environments in equal or measurably better condition than the ones they inherited. To stay on track in shaping better environments, communities need to set explicit priorities based on combined consideration of evidence, values, and resources. Strategies to set priorities include: tackle the biggest problems first; align priorities with dominant community values; choose the most effective solutions; pick the lowest-cost solutions; find the quickest solutions. The most productive and successful priorities are likely to be those combining the above strategies in a single package. Setting day-to-day priorities is also much easier if communities are also guided by a shared vision of where they would like to be in

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five, ten, or twenty-five years. This Guide offers help with how to make the best case for "environmental" decisions when many other competing possibilities are tugging at policy-makers. It also suggests how to select which kinds of decisions are likely to pay off most for the environment, based on the best available evidence.

Beckerman, Wilfred. **A Poverty of Reason: Sustainable Development and Economic Growth.** Oakland, Calif.: Independent Institute, c2003. Description xiii, 96 p. (HC79.E5 B42 2003)

Contents Preface -- Introduction -- ch. 1. What is sustainable development supposed to mean? -- ch. 2. Finite resources and the prospects for economic growth -- ch. 3. Energy and biodiversity -- ch. 4. Climate change -- ch. 5. The precautionary principle -- ch. 6. Bureaucratic regulation and protectionism -- ch. 7. The "ethics" of sustainable development -- Notes -- References -- Index -- About the author.

Le Bois et la conception durable. Fiche technique sur la performance de la construction à ossature bois. Ottawa : Société canadienne d'hypothèques et de logement : Conseil canadien du bois : Association des produits forestiers du Canada ; Montréal : Forintek Canada Corp., c2003. Description 7 p. (CaI MH 03S72f)

Building Research Association of New Zealand. **Reducing Heat Loss: How to Stay Cosy When It's Cold Outside.** BRANZ Home Series. BRANZ Bulletin; 8. Wellington: Building Research Association of New Zealand, 2003. Description 5 p. (TH122.5 B05 no. 8)

Bulkeley, Harriet and Betsill, Michele Merrill. **Cities and Climate Change: Urban Sustainability and Global Environmental Governance.** Routledge Studies in Physical Geography and Environment; 4. New York: Routledge, 2003. Description xii, 237 p. (QC981.8.C5 B84 2003)

Campbell-Howe, R., ed. **Proceedings of the Solar 2003 Conference: Including Proceedings of 32nd ASES Annual Conference, Proceedings of 28th National Passive Solar Conference, Austin, Texas, June 21-26, 2003.** Boulder, Colo.: American Solar Energy Society, c2003. Description xvi, 984 p. (TJ810 A43 2003)

Canada. Division de l'énergie renouvelable et électrique. **Les systèmes photovoltaïques : guide de l'acheteur.** Ottawa : Ressources naturelles Canada, Division de l'énergie renouvelable et électrique, c2003. Description 47 p. (CaI MT265 03P37f)

Canada. Indian and Northern Affairs Canada. **Northern Land Use Guidelines. Applying Sustainable Development.** Ottawa: Indian and Northern Affairs Canada, 2003. Description vii, 20 p. (CaI IA 03N53)

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_____. **Northern Land Use Guidelines. Overview.** Ottawa: Indian and Northern Affairs Canada, 2003. Description vii, 10 p. (CaI IA 03N54)

Canada. Natural Resources Canada. **Purchasing Tool Kit: A Guide to Buying Energy Star Qualified Products.** Ottawa: Natural Resources Canada, c2003. Description 115 p. Accompanied by CD-ROM in pocket entitled: Simple savings calculator = Calculateur simple d'économies. (CaI MS 03P77)

Canada. Office of Energy Efficiency. **EnerGuide for Houses: Grants for Homeowners.** Ottawa: Office of Energy Efficiency, c2003. Description 15 p. (CaI MS300 03E53)

Canada. Renewable and Electrical Energy Division. **Photovoltaic Systems: A Buyer's Guide.** Ottawa: Natural Resources Canada, Renewable and Electrical Energy Division, c2003. Description 47 p. (CaI MT265 03P37)

Canada. Ressources naturelles Canada. **Trousse info-achats : guide d'achat des produits répondant aux exigences Energy Star.** Ottawa : Ressources naturelles Canada, c2003. Description 117 p. Acc. D'un CD-ROM dans une pochette intitulée: Simple savings calculator = Calculateur simple d'économies. (CaI MS 03P77f)

Canada Mortgage and Housing Corporation. **Practices for Sustainable Communities.** Rev. 2003. Ottawa: The Corporation, 2003. Description iv, 176 p. (CaI MH 03P67) Note: "Based on an original report prepared for CMHC by: Catherine Fletcher Marsden, Janet Smolders and Sonny Tomich of Dillon Consulting Limited".

Summary Practices for Sustainable Communities presents: --A framework to identify and organize the practices -- the tools, strategies and activities -- that lead to greater sustainability; and --Examples of sustainable community development practices. This book makes the idea of sustainable development a practical reality. It is a Canadian view of the challenges of sustainability, with made in Canada case studies and solutions. Included with the publication is SCIP, the Sustainable Community Indicators Program, developed by CMHC and Environment Canada. SCIP helps communities measure their progress in building and living sustainably. Communities can create a locale vision of sustainability and measure and monitor their progress in making that vision a reality.

Canada Mortgage and Housing Corporation. Policy and Research Division. **Case Studies of Major Home Energy Retrofits.** Research Highlights. Technical Series; 03-115. Ottawa: The Division, 2003. Description 4 p. (CaI MH116 03H115)

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- _____. **Integrated Community Solutions: Regina's Affordable, Sustainable Housing Design Charrette.** Research Highlights. Technical Series; 03-123. Ottawa: Policy and Research Division, Canada Mortgage and Housing Corporation, 2003. Description 4 p. (CaI MHI 16 03H123)
- _____. **Integrated Design Charrette for a Sustainable University Community.** Research Highlights. Technical Series; 03-110. Ottawa: Policy and Research Division, Canada Mortgage and Housing Corporation, 2003. Description 6 p. (CaI MHI 16 03H110)
- _____. **Seville Theatre Redevelopment Project: Integrated Design Process.** Research Highlights. Technical Series; 03-102. Ottawa: Policy and Research Division, Canada Mortgage and Housing Corporation, 2003. Description 12 p. (CaI MHI 16 03H102)
- Canadian Standards Association. **Energy Efficiency of Electric Storage Tank Water Heaters and Heat Pump Water Heaters.** CSA Standard C745-03. 3rd ed. Mississauga, Ont.: The Association, 2003. Description x, 27 p. (TA404.5 C35 no. C745-03).
- Chiras, Daniel D. and Wann, David. **Superbia!: 31 Ways to Create Sustainable Neighborhoods.** Wise Living Series. Gabriola, B.C.: New Society Publishers, c2003. Description x, 229 p. (HT352.U6 C49 2003)
- Church, Chris. **A Better Place to Live: A Guide for Community Groups to Local Action on Sustainable Development.** London: Community Development Foundation, 2003. Description viii, 56 p. (HN400.C6 C49 2003)
- Collins, Michael John ... et al. **Building Green in New Zealand: Wood --A Sustainable Construction Choice.** Forest Research Bulletin; no. 226. Rotorua, N.Z.: Forest Research, 2003. Description 68 p. (TH1101 B85 2003)
- Coutu, Ken. **Integrated Community Solutions: Regina's Affordable, Sustainable Housing Design Charrette: Final Report.** Prepared for Robert Bjerke, Community Services Department, City of Regina and Thomas Green, Policy and Research Division, Canada Mortgage and Housing Corporation. Ottawa: The Division, 2003. Description iii, 76 p. (CaI MHI 10 03I51)

Summary A design charrette sponsored by Canada Mortgage and Housing Corporation and hosted by the City of Regina took place on January 10, 2003. The purpose was to solicit ideas and explore the opportunities for a pilot project that would demonstrate affordable, sustainable housing development on a vacant school site located in Regina's inner city based on initial design and feasibility work for the site. Design charrettes are becoming more common in design practice and are an excellent way to bring a range of expertise and interests together to

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collaborate and create effective solutions to multifaceted projects. The Regina Affordable Sustainable Housing Charrette was very successful in presenting a vision and potential path towards creating healthy affordable housing and a community asset for the City of Regina. The project goal was to create design strategies that can reduce operating costs while providing comfortable housing that protects the health of the occupants and the environment. Thirty-five key individuals contributed their expertise and time over an intensive day of presentations and discussion. They included technical experts, representatives from the local neighbourhood, and participants from various partner organizations. The degree of enthusiasm and positive ideas as well as the degree of consensus achieved during the charrette reflect the shared realization of the participants for the extensive benefits that such a well-planned healthy housing project could bring to the housing occupants, as well as the surrounding neighbourhood.

Dean, Angela M. **Green by Design: Creating a Home for Sustainable Living.** Salt Lake City, Utah: Gibbs Smith, 2003. Description 134 p. (NA2542.36 D43 2003)

Dumont, Robert S. ... et al. **Case Studies of Major Home Energy Retrofits: Final Report.** Ottawa: Canada Mortgage and Housing Corporation, 2003. Description xiv, 40, 48 p. (Ca1 MH 03C17)

Summary To meet targets for greenhouse gas production in Canada, the residential sector will have to significantly reduce energy consumption in existing houses. A 1995 CMHC report suggested that houses built prior to 1989 will have to reduce energy consumption on average by about 40%. This is a big reduction, one that is rarely realized in programs funded by government or the utilities. The object of this CMHC PERD (Program for Energy Research and Development) research, is to see whether relatively normal houses can have their total energy usage reduced by 40%. Saskatchewan Research Council was hired to determine this. Five houses were selected and the energy retrofits were completed by December 2001. Monitoring through 2002 established that the 40% goal could be achieved, but by only one of the five houses. The other four houses had energy reductions of 24 to 31%. The report discusses which retrofits were particularly successful and why most houses failed to meet the 40% goal. The rate of return on the retrofit costs borne by the homeowners was about 9%.

Edwards, Brian, ed. **Green Buildings Pay.** 2nd ed. New York: Spon Press, c2003. Description xiii, 216 p. (NA2542.3 G72 2003)

Energy Solutions Centre (Yukon). **Yukon Green Building Design Competition: Final report on the Process.** Whitehorse: Yukon Development Corporation, 2003. Description 1 v. (various pagings) (Ca2 YU DC 03Y73)

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Enermodal Engineering Ltd. in association with Halsall Associates Limited and Greenwin Property Management. **Strategies for Reducing Building Energy Use via Innovative Building Envelope Technologies: Final Report.** Prepared for Housing Technology Group, Policy and Research Division, Canada Mortgage and Housing Corporation. Ottawa: The Division, 2003. Description ii, 25 p. (CaI MHI 10 03S76)

Summary A research project was undertaken to evaluate the opportunities to reduce, recover and generate energy at the building envelope in existing multi-unit residential buildings. The research was conducted by a multi-disciplinary team of engineers, architects, building envelope consultants and representatives of the property management sector. The project reviewed new and emerging building envelope technologies that could help to reduce energy consumption in existing buildings, primarily based on experiences in European apartment buildings. Building integrated photovoltaics, solar water heating, solar air heating, insulation and window retrofits and double façade technologies were included in the review. For the most part, it was found that the current economics and risk associated with many of the available technologies can undermine the attractiveness of such technologies for property owners and managers. Two technologies (solar air heating and enclosing balconies) were found to offer attractive energy savings especially if the technologies are incorporated into a larger renovation project and the benefits derived from offsetting future repair costs are considered.

Ewing, Rex A. **Power with Nature: Solar and Wind Energy Demystified.** Masonville, CO: PixyJack Press, 2003. Description 255 p. (TJ810 E95 2003)

Freeman, Claire and Thompson-Fawcett, Michelle, eds. **Living Space: Towards Sustainable Settlements in New Zealand.** Dunedin, N.Z.: University of Otago Press, 2003. Description 240 p. (HT243.N45 L58 2003)

Fusco Girard, Luigi ... et al., eds. **The Human Sustainable City: Challenges and Perspectives from the Habitat Agenda.** Burlington, VT: Ashgate, c2003. Description xiii, 573 p. (HT241 H85 2003)

The Green Building Bible. Llandysul (PO Box 32, Llandysul, Carmarthenshire SA44 5EZ): Green Building Press, 2003- (TH153 G73)

Grumman, David L., ed. **ASHRAE Greenguide.** Atlanta, GA: American Society of Heating, Refrigerating and Air-Conditioning Engineers, c2003. Description xx, 170 p. (NA2542.36 A08 2003) Note: "An ASHRAE publication addressing matters of interest to those involved in green or sustainable design of buildings".

Hallsmith, Gwendolyn. **The Key to Sustainable Cities: Meeting Human Needs, Transforming Community Systems.** Gabriola, B.C.: New Society Publishers, c2003. Description xii, 259 p. (HT166 H35 2003)

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Hasegawa, Takahiko. **Environmentally Sustainable Buildings: Challenges and Policies.** Paris: Organisation for Economic Co-operation and Development, c2003. Description 195 p. (ZZ EC 03E57)

_____. **Pour des bâtiments écologiquement viables : enjeux et politiques.** Paris : Organisation de coopération et de développement économiques, c2003. Description 221 p. (ZZ EC 03E57f)

Henderson, Shawna and Bell, Jeff. **Small-Scale Renewable Energy Systems, Grid-Connection and Net Metering: An Overview of the Canadian Experience in 2003.** Research undertaken by Abri Sustainable Design & Consulting. Ottawa: Canada Mortgage and Housing Corporation, 2003. Description vi, 8, 111 p. (CaI MH 03S57)

Summary This report documents the experience of small-scale grid-connected renewable energy power producers in Canada and provides an overview of the grid-connect and net metering policies of electric utilities across the country as of March 2003. It also provides background and resources for those who are interested in establishing their own grid-connected systems. For the purposes of this study, renewable energy systems were defined as: Photovoltaics (PV), Building Integrated Photovoltaics (BIPV), Wind and Microhydro. Also, hybrid systems (any combination of the latter four) were included. The system sizes were limited to what a homeowner or a small to medium size commercial venture might install cost-effectively.

Hestnes, Anne Grete; Hastings, Robert and Saxhof, Bjarne, eds. **Solar Energy Houses: Strategies, Technologies, Examples.** 2nd ed. London: James & James for International Energy Agency, c2003. Description vi, 202 p. (TH7414 S68 2003)

Hetzel, Jean. **Haute qualité environnementale du cadre bâti : enjeux et pratiques.** La Plaine Cedex : Association française de normalisation (AFNOR), c2003. Description vii, 292 p. (TA170 H47 2003)

Initiative R-2000 (Canada). **Guide du propriétaire d'une maison R-2000 : rentabilisez votre investissement.** Éd. rév. Ottawa : Initiative R-2000, Ressources naturelles Canada, c2003. Description 36 p. (CaI MS310 03R07f)

International Green Building Conference and Exposition (2003 : Pittsburgh, Penn.). **The Pittsburgh Papers: Best of the Greenbuild 2003.** Compiled by the editors of Environmental Building News. Brattleboro, VT: BuildingGreen Inc., c2003. Description 116 p. (NA2542.36 I59 2003)

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International Institute for Sustainable Development. **Advancing Sustainable Development in Canada: Policy Issues and Research Needs = Faire avancer le développement durable au Canada : enjeux de politiques publiques et besoins en recherche.** Written for the Policy Research Initiative by the International Institute for Sustainable Development = Rédigé pour le Projet de recherche sur les politiques par l'Institut international du développement durable. Ottawa: Policy Research Initiative = Projet de recherche sur les politiques, 2003. Description iv, 78, 82, iv p. (CaI PV35 03A27)

Kemp, William H. **The Renewable Energy Handbook for Homeowners: The Complete Step-by-Step Guide to Making (and Selling) Your Own Power From the Sun, Wind and Water.** Tamworth, Ont.: Aztext Press; Toronto: Distributed by Hushion House Pub., c2003. Description 317 p. (TJ808.3 K44 2003)

Kennedy, Joseph F.; Smith, Michael G. and Wanek, Catherine, eds. **The Art of Natural Building: Design, Construction, Resources.** Gabriola Island, B.C.: New Society Publishers, c2002. Description xii, 291 p. (NA2542.35 A77 2002)

Kursh, Steven Rubenstein. **Three Essays Exploring the Impact of Higher Energy Prices on Housing Markets.** Thesis (Ph.D.) --University of Pennsylvania, 1983. Ann Arbor, MI: UMI Dissertation Services, 2003. Description vi, 182 p. (HD7293 K86 1983)

Contents Exploring the relationship between the rebirth of cities and the journey-to-work: potential implications of higher energy costs on urban housing markets --Exploring the impact of higher energy prices on housing affordability --Exploring the potential implications of the federal Building Energy Performance Standards Program on housing markets.

Manufactured Housing Research Alliance. **Energy Star Labeled Manufactured Homes: Design, Manufacturing, Installation and Certification Procedures.** Excellence in Design, Manufacturing and Installation Series. 2nd ed. New York: Manufactured Housing Research Alliance, 2003. Description 34 p. (TH4819.P7 E53 2003)

Marbek Resource Consultants Ltd. and SGA Consulting. **Stand-Alone Wind Energy Systems : A Buyer's Guide.** Prepared for the Renewable and Electrical Energy Division. Ottawa: Natural Resources Canada, c2003. Description 47 p. (CaI MT265 03S71)

National Round Table on the Environment and the Economy (Canada) **Environment and Sustainable Development Indicators for Canada.** Ottawa: The Round Table, c2003. Description xxi, 54, 20 p. (CaI R27 03E57)

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_____. **Environmental Quality in Canadian Cities: The Federal Role.** Ottawa: National Round Table on the Environment and the Economy, c2003. Description xvii, 83 p. (CaI R27 03E56)

North American Green Roof Infrastructure Conference, Awards and Trade Show (1st : 2003 : Chicago, Ill.). **Greening Rooftops for Sustainable Communities:** the first North American Green Roof Infrastructure Conference, Awards and Trade Show, May 29-30, 2003, Chicago, Illinois. Toronto: Green Roofs for Healthy Cities, 2003. Description 1 CD-ROM (IBM PC or compatible Windows 3.1 or higher; Internet Explorer version 3.0 or greater; Acrobat Reader; Flash Player; CD-ROM drive.) (CD-ROM SB419.5 N67 2003)

Pahl, Greg. **Natural Home Heating: The Complete Guide to Renewable Energy Options.** White River Junction, Vt.: Chelsea Green Publishing Company, c2003. Description xix, 281 p. (TH7224 P34 2003)

Peck & Associates in association with EnerQuality Corporation & Pollution Probe. **Financial Measures to Reduce Green House Gases in the Housing Sector Through Energy Efficiency: A Survey.** Prepared for CMHC, NRCan and Environment Canada. Ottawa: Canada Mortgage and Housing Corporation, 2003. Description 36, 71 p. (CaI MH 03F35)

Summary The specific objectives of this project were to: Identify and describe a long list of existing financial incentives for homeowner energy efficiency improvements in Canada and the United States through a literature review and interviews with key informants; Develop seven case studies of the most promising financial incentive programs in order to obtain information on key design and critical success factors through additional key informant interviews; Establish a background context of information for use in the potential development of financial incentives for improving residential energy efficiency in Canada. This final report is structured as follows: Section 1 contains market and GHG emission related information for the residential sector and describes the public policy rationale for increasing public investments in residential energy efficiency. Section 2 contains a review of GHG emissions from residential housing and related transportation emissions as well as relevant Canadian policy developments. Section 3 reviews and defines different types of financial instruments with examples and information on the overall status of their application in Canada and the United States. Section 4 provides the rationale for selecting seven case studies for further study. Section 5 contains general findings on critical success factors, general market research and design criteria for future program development and consideration. Section 6 contains the conclusion and recommendations. The report provides seven detailed case studies and over sixty general case studies on a wide range of financial measures to improve residential energy efficiency. A number of key 'lessons learned' in terms of their design and implementation for maximum market penetration are provided. These lessons could form the basis of a national home energy efficiency retrofit strategy.

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Pelling, Mark. **The Vulnerability of Cities: Natural Disasters and Social Resilience.** London; Sterling, VA: Earthscan Publications, 2003. Description xi, 212 p. (HT243.D44 P45 2003)

Phillips, Christine. **Sustainable Place: A Place of Sustainable Development.** Chichester: Wiley-Academy, 2003. Description xiii, 218 p., 16 p. of plates (HD75.6 P495 2003)

POLLARA (Firm). **UniverCity: Assessing Consumer Demand for Sustainable Development in Greater Vancouver: A POLLARA Report.** Ottawa: Canada Mortgage & Housing Corporation, 2003. Description 56 p. (Ca1 MH 03U51)

Summary UniverCity is a new community that is being developed at Simon Fraser University (SFU) in Burnaby, B.C. It is intended to be a sustainable community that will eventually house 10,000 residents in 4,500 homes and contain approximately 250,000 ft² of commercial and office space. Simon Fraser UniverCity Community Corporation is a wholly owned subsidiary of SFU and is the land developer for this project. Canada Mortgage and Housing Corporation (CMHC) frequently works with local stakeholders and other public or private partners to encourage greater housing choice, improve affordability, or support housing innovation. To encourage market adoption of Healthy Housing™, and to encourage developers to "push the envelope" in terms of greater energy efficiency, improved indoor air quality, and water conservation, CMHC, Greater Vancouver Regional District (GVRD), Natural Resources Canada and UniverCity participated in an Integrated Design Charrette in September 2002. This charrette provided the opportunity for developers and their design teams, to explore ways of incorporating UniverCity's Green Building Guidelines into three development proposals. An online version of the Development Guidelines can be found at www.univercity.ca Experts with experience in the integrated design process acted as facilitators and provided support to the design teams. Resource people complemented the developers' teams, bringing expertise as quantity surveyors, landscape specialists, sustainability consultants, solar energy advisors, municipal planners and utility representatives. As the two-day charrette progressed, several participants noted a distinct lack of information on market demand for "greener," healthier and more sustainable housing. Since some "green" building design elements may incur additional up-front construction costs, it is critical to understand the level of consumer interest and willingness to pay for such features. As one of the sponsors for this event, CMHC agreed to conduct a study to quantify consumer demand for Healthy Housing in order to demystify and bring clarity to the local debate on "where homebuyers are at" in terms of sustainable development. This study was designed to identify the features that appeal to consumers and how much extra they would be willing to pay for these features.

Portney, Kent E. **Taking Sustainable Cities Seriously: Economic Development, the Environment, and Quality of life in American Cities.** American and Comparative Environmental Policy Series. Cambridge, Mass.: MIT Press, c2003. Description xiv, 284 p. (HT243.U6 P67 2003)

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R-2000 Initiative (Canada). **R-2000 Homeowner's Manual: Making the Most of Your Investment.** Rev. ed. Ottawa: R-2000 Initiative, Natural Resources Canada, c2003. Description 36 p. (CaI MS310 03R07)

Renewable Energy Deployment Initiative (Canada) **Report.** Ottawa: Natural Resources Canada = Ressources naturelles Canada, c2003- (CaI MT265 R20)

Roaf, Susan; Fuentes, Manuel; and Thomas, Stephanie. **Ecohouse 2: A Design Guide.** 2nd ed. Amsterdam; Boston: Architectural Press, 2003. Description viii, 413 p. (NA2542.35 R62 2003)

Roberts, Jennifer. **Good Green Homes.** Creating Better Homes for a Healthier Planet. Layton, Utah: Gibbs Smith, 2003. Description 160 p. (NA2542.35 R63 2003)

Salomon, Thierry and Bedel, Stéphane. **The Energy Saving House.** Machynlleth, Powys: Centre for Alternative Technology, 2003. Description 147 p. (TJ163.5.D86 S24 2003)

Santamouris, Matheos, ed. **Solar Thermal Technologies for Buildings: The State of the Art.** Buildings, Energy, and Solar Technology Series. London: James & James, c2003. Description xiii, 240 p. (TJ810 S7 2003)

Société canadienne d'hypothèques et de logement. **Pratiques pour des collectivités durables.** Rév. 2003. Ottawa : La Société, 2003. Description vi, 203 p. (CaI MH 03P67f)

Nota "D'après un rapport original préparé pour la SCHL par les personnes suivantes: Catherine Fletcher Marsden, Janet Smolders et Sonny Tomich de Dillon Consulting Limited."

Résumé "Pratiques pour des collectivités durables" présente: --Un cadre qui définit et organise les pratiques (les outils, des stratégies et les activités) qui conduisent à une durabilité accrue. --Des exemples de pratiques de développement de collectivités durables. Ce livre fait du développement durable une réalité quotidienne. Il jette un regard canadien sur les défis que pose la durabilité et propose des solutions et des études de cas provenant du Canada. "Pratiques pour des collectivités durables" est fourni avec le PIDD – le Programme d'indicateurs du développement durable élaboré par la SCHL et Environnement Canada. Le PIDD permet aux collectivités de mesurer les progrès réalisés dans la construction de bâtiments et l'implantation de modes de vie qui respectent les principes du développement durable. À l'aide du PIDD, les collectivités peuvent créer une vision locale de la durabilité puis mesurer et contrôler les progrès accomplis dans leur démarche pour faire de cette vision une réalité.

Société canadienne d'hypothèques et de logement. Division des politiques et de la recherche. **Charrette de conception intégrée visant la collectivité de l'Univercity.** Le Point en recherche. Série technique ; 03-110. Ottawa : La Division, 2003. Description 6 p. (CaI MH116 03H110f)

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_____. **Études de cas d'économies énergétiques importantes dans les maisons.** Le Point en recherche. Série technique ; 03-115. Ottawa : Division des politiques et de la recherche, Société canadienne d'hypothèques et de logement, 2003. Description 4 p. (CaI MH116 03H115f)

_____. **Processus de conception intégré au projet de redéveloppement du Théâtre Séville.** Le Point en recherche. Série technique ; 03-102. Ottawa : Division des politiques et de la recherche, Société canadienne d'hypothèques et de logement, 2003. Description 12 p. (CaI MH116 03H102f)

_____. **Solutions pour une collectivité intégrée : charrette de conception sur le logement abordable et durable.** Le Point en recherche. Série technique ; 03-123. Ottawa : Division des politiques et de la recherche, Société canadienne d'hypothèques et de logement, 2003. Description 4 p. (CaI MH116 03H123f)

Sustainable Design and Wood. **A Wood-Frame Building Performance Fact Sheet.** Rev. Ottawa: Canada Mortgage and Housing Corporation; Canadian Wood Council; Forest Products Association of Canada; Montreal: Forintek Canada Corp., c2003. Description 7 p. (CaI MH 03S72)

Suzuki, David and Dressel, Holly Jewell. **Good News for a Change: How Everday People Are Helping the Planet.** Vancouver: Greystone Books, 2003. Description 399 p. (GF75 S993 2003)

Swanepoel, Lourette; Campbell, Elisa, and Moffatt, Sebastian. **Tools for Planning for Long-Term Urban Sustainability: The Citiesplus Design Charrettes.** A Citiesplus publication. Produced by the Sheltair Group Inc. Ottawa: Canada Mortgage and Housing Corporation, c2003. Description vii, 65 p. (CaI MH 03T56)

Summary This document addresses the concept of planning for long-term urban sustainability, and focuses on one important tool that was successfully used in preparing the CitiesPLUS 100-year plan for urban sustainability in Greater Vancouver: the design charrette. The first section in this publication elaborates on the key concepts and approaches underlying long-term planning, while the second section provides a case study of some of the results of applying the charrette tool during the CitiesPLUS project.

Table ronde nationale sur l'environnement et l'économie (Canada). **La Qualité de l'environnement dans les villes canadiennes : le rôle du gouvernement fédéral.** Ottawa : La Table ronde, c2003. Description xviii, 92 p. (CaI R27 03E56f)

Thomas, Randall, ed. **Sustainable Urban Design: An Environmental Approach.** London: Spon, 2003. Description xi, 212 p. (HT241 S89 2003)

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Turner, Ruth. **The Which? Guide to the Energy-Saving Home.** London: Which? Ltd., 2003. Description 221 p. (TJ163.5.D86 T84 2003)

University of British Columbia. James Taylor Chair in Landscape and Liveable Environments. **The Headwaters Project: A Sustainable Community Development in Surrey, B.C.** Prepared for ACT Program managed by Canada Mortgage and Housing Corporation (CMHC) ... et al. Vancouver: James Taylor Chair in Landscape and Liveable Environments, 2003. Description 79 p. (HT169.C32 S915 2003)

Urban Land Institute. **Sustainable Development: Selected References.** ULI Infopacket Series; no. 387. Washington, D.C.: ULI, 2003. Description 1 v. (various pagings) (HC79.E5 S88)

Victor, Ruth and Mann, Bill. **Town of Milton Eco-tech Village Pilot Project Urban Design Charrette: Making Choices Toward Sustainability: Research Report.** Ottawa: Canada Mortgage and Housing Corporation, 2003. Description 107 p. (Ca1 MH 03T55)

Summary The purpose of this project was to create a compelling and sustainable vision for an urban village that serves as a model for growth in the Town of Milton. CMHC provided financial support and participated in an urban design charrette led by the Town of Milton, Ontario to create visual and narrative images of the concepts and potential of the Eco-Tech Village Pilot Project. This design charrette was a link between the initial visioning exercises held during 2002 and the creation of development options for the site later in 2003 and 2004.

Weiss, Werner, ed. **Solar Heating Systems for Houses: A Design Handbook for Solar Combisystems.** London: James & James, c2003. Description xii, 313 p. (TH7414 S69 2003)

Williamson, Terry J.; Radford, Antony; and Bennetts, Helen. **Understanding Sustainable Architecture.** New York: Spon Press, 2003. Description x, 160 p. (NA2542.36 W55 2003)

Wilson, John. **Natural Living.** S.l.: World Peace Communications, c2003. Description 146 p. (TH4860 W546 2003)

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Adams, David and Watkins, Craig. **Greenfields, Brownfields, and Housing Development.** Real Estate Issues Series. Oxford: Blackwell Science, 2002. Description xiv, 314 p. (HD7333.A3 A3 2002)

Allen, Adriana. **Sustainable Urbanisation: Bridging the Green and Brown Agendas.** Directed & written by Adriana Allen, Nicholas You; managed & researched by Sonja Meijer; researched & written by Adrian Atkinson ... et al. London: Development Planning Unit, University College London, 2002. Description xiii, 262 p. (HT361 S97 2002)

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Association des gestionnaires de parcs immobiliers en milieu institutionnel. **Guide pratique pour la réalisation de projets par l'utilisation d'entreprises de services éconergétiques (ESE)**. Saint-Laurent, Québec : L'Association, 2002. Description 1 v. (pagination multiple) (TJ163.5.B84 G79 2002)

Athienitis, A. K. and Santamouris, M. **Thermal Analysis and Design of Passive Solar Buildings**. London: James & James, c2002. Description viii, 288 p. (TH7413 A83 2002)

Bach, Bob et Lamb, Marjorie. **Rattrapage éconergétique d'une ville : guide proposant aux municipalités des moyens de mettre en oeuvre un programme de rattrapage des bâtiments**. Ottawa : Société canadienne d'hypothèques et de logement, 2002. Description iv, 46 p. (Ca1 MH 02R21f)

Résumé L'objectif principal de ce projet était d'aider les municipalités de l'Amérique du Nord à accroître l'efficacité énergétique des immeubles et à réduire les émissions de gaz à effet de serre. Fondé sur le fructueux Better Buildings Partnership Program, le projet a produit ce manuel utile pour la conception et la mise en oeuvre de programmes municipaux d'amélioration des immeubles en matière de consommation de l'eau et de l'énergie. Ce type d'amélioration peut réduire les émissions de gaz à effet de serre en abaissant la consommation d'énergie. Si elle est effectuée sur une large échelle, l'amélioration éconergétique des immeubles peut accroître la durabilité des centres urbains en diminuant la pollution de l'air à l'échelle locale et en réduisant la consommation de ressources naturelles. Le rattrapage éconergétique des bâtiments devrait suivre un processus comportant les étapes suivantes : -- Vérification du rendement énergétique : examen d'un bâtiment et de la façon dont il utilise l'énergie, d'où la détermination des mesures pertinentes à prendre; -- Mise en oeuvre : mise en oeuvre des mesures, dont l'ingénierie, la gestion de projet, la sous-traitance et la mise en service; -- Suivi : contrôle et suivi des économies d'énergie pour s'assurer qu'elles se réalisent comme prévu et qu'elles perdurent. Ce processus et les étapes sur lequel il repose sont exposés en détail dans le présent manuel.

Bach, Bob and Lamb, Marjorie. **Retrofitting a City: A Guide for Municipalities to Implement a Building Retrofit Program**. Ottawa: Canada Mortgage and Housing Corporation, 2002. Description iv, 40 p. (Ca1 MH 02R21)

Summary The primary goal of this project was to help municipalities across North America improve energy efficiency in buildings and reduce their greenhouse gas emissions. Based on Toronto's successful Better Buildings Partnership Program the project produced this useable manual for designing and implementing municipal building retrofit programs to improve water and energy efficiency. Building retrofits can reduce greenhouse gas emissions by lowering energy consumption. Undertaken on a wide scale, retrofitting buildings can enhance the sustainability of urban centres by diminishing air pollution locally and slowing the rate of consumption of natural resources. Building energy retrofits should follow a process which includes the following steps: -- Audit: a study of the building and the

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way it uses energy which leads to a definition of appropriate measures; -- Implement: the implementation of the measures including engineering, project management, subcontracting, and commissioning; -- Monitor: the monitoring and tracking of energy savings to be sure they are achieved as expected, and they are sustained. This process, and the steps on which it is based, are described in detail throughout the manual.

Bertrand, Annie. **Notre habitat écologique : détails pratiques d'une expérience réussie.** Isoire, France : Éditions du Dauphin, c2002. Description 191 p. (TH4860 B47 2002)

Birkeland, Janis. **Design for Sustainability: A Sourcebook of Integrated, Eco-logical Solutions.** London; Sterling, VA: Earthscan Publications Ltd, 2002. Description xiv, 274 p. (GE350 B57 2002)

Brebbia, C. A.; Martin-Duque, J. F.; and Wadhwa, L. C., eds. **The Sustainable City II: Urban Regeneration and Sustainability.** International Series on Advances in Architecture; v. 14. Second International Conference on Urban Regeneration and Sustainability, Segovia, Spain, 2002. Southampton, UK: WIT Press, c2002. Description xxxi, 1034 p. (HT170 I38 2002)

Bromley, Bob ... et al. **Healthy Housing in the North: Towards a Northern Healthy House Demonstration Project.** Ottawa: Canada Mortgage and Housing Corporation, 2002. Description iii, 76 p. (Ca1 MH 02H23)

Summary This study is a review of the principles and technical information that can influence the realization of healthy and more sustainable housing in the North. The objective of this study is to begin addressing and enhancing the ecological sustainability, social appropriateness, and total (real) economic aspects of northern housing. The approach is to develop the concept of the Healthy House in a northern context. People who design and construct housing in the North need to become more conscious of their impact on the environment, social structures and energy use. High environmental and dollar costs of fossil fuel energy in the North demand reconsideration of conventional building design, materials and technical systems. The need for repairing and reinforcing the social fabric calls for appropriate environmental and cultural design to create healthy and locally supported, self-sufficient northern communities. This study reviews and examines influences, aspirations, limitations and potential technical options for increasing sustainability in northern housing. The study is divided into two parts. Part One is an overview of the northern context, ecological sustainability, social appropriateness, and total (real) economic aspects of northern housing. Part Two is a review of technical options and information resources. The intent of this study is to encourage the inclusion of environmentally responsible Healthy House concepts, systems and materials in the design, construction, operation, and final disposal of housing. The study is intended for the use of decision-makers who can advance this goal and may include: homebuilders and buyers; community planners, architects, and engineers; regulators and administrators; and policy makers. Northern training institutions could also use the study to supply people with the knowledge and skills to create northern healthy housing solutions. Ultimately, this study and its guidelines are intended to contribute to northern housing that is

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more ecologically sustainable and locally and socially appropriate during construction, in operation and at the end of service.

Brown, Katrina; Tompkins, Emma L.; and Adger, W. Neil. **Making Waves: Integrating Coastal Conservation and Development.** London; Sterling, VA: Earthscan, 2002. Description xii, 164 p. (HT391 B767 2002)

Brownhill, Deborah and Rao, Susheel. **A Sustainability Checklist for Developments: A Common Framework for Developers and Local Authorities.** London: Construction Research Communications Ltd. by permission of Building Research Establishment Ltd., 2002. Description vi, 88 (UKI EN90 02S71)

Canada Mortgage and Housing Corporation. **Energy Efficiency and Alternative Energy for Northern Homes Report.** Ottawa: The Corporation, 2002. Description 1 v. (various pagings) (CaI MH 02E52)

Canada Mortgage and Housing Corporation. Research Division. **Ardencraig: Documentation of a Vancouver Triplex and Infill Project with Sustainability Features.** Research Highlights. Technical Series; 02-111. Ottawa: The Division, Canada Mortgage and Housing Corporation, 2002. Description 4 p. (CaI MH116 02H111)

_____. **Community Energy Management: Foundation Paper.** Research Highlights. Technical Series; 02-112. Ottawa: Research Division, Canada Mortgage and Housing Corporation, 2003. Description 5 p. (CaI MH116 02H112)

_____. **Energy Use in Straw Bale Houses.** Research Highlights. Technical Series; 02-115. Ottawa: Research Division, Canada Mortgage and Housing Corporation, 2002. Description 4 p. (CaI MH116 02H115)

_____. **Final Assessment of Conservation Co-op's Greywater System.** Research Highlights. Technical Series; 02-100. Ottawa: Research Division, Canada Mortgage and Housing Corporation, 2002. Description 6 p. (CaI MH116 02H100)

_____. **Healthy High-Rise: A Guide to Innovation in the Design and Construction of High-Rise Residential Buildings.** Research Highlights. Technical Series; 02-101. Ottawa: Research Division, Canada Mortgage and Housing Corporation, 2002. Description 6 p. (CaI MH116 02H101)

_____. **Healthy Housing in the North: Towards a Northern Healthy House Demonstration Project.** Research Highlights. Technical Series; 02-126. Ottawa: Research Division, Canada Mortgage and Housing Corporation, 2002. Description 4 p. (CaI MH116 02H126)

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- _____. **Monitored Performance of an Innovative Multi-unit Residential Building.** Research Highlights. Technical Series; 02-135. Ottawa: Research Division, Canada Mortgage and Housing Corporation, 2002. Description 4 p. (CaI MHI16 02HI35)
- _____. **Multi-residential High Efficiency Clothes Washer Pilot Project.** Research Highlights. Technical Series; 02-137. Ottawa: Research Division, Canada Mortgage and Housing Corporation, 2002. Description 4 p. (CaI MHI16 02HI37)
- _____. **Retrofitting a City: A Guide for Municipalities to Implement a Building Retrofit Program.** Research Highlights. Socio-economic Series; 105. Ottawa: Research Division, Canada Mortgage and Housing Corporation, 2002. Description 4 p. (CaI MHI13 02HI05)
- _____. **Sustainable Community Design Demonstration in Okotoks, Alberta: Testing Consumer Receptivity.** Research Highlights. Socio-economic Series; 111. Ottawa: Research Division, Canada Mortgage and Housing Corporation, 2002. (CaI MHI13 02HI11)
- _____. **Sustainable Community Planning and Development: Design Charrette Planning Guide.** Research Highlights. Socio-economic Series; 103. Ottawa: Research Division, Canada Mortgage and Housing Corporation, 2002. Description 4 p. (CaI MHI13 02HI03)
- _____. **Sustainable Community Planning and Development: Participation Tools and Practices.** Research Highlights. Socio-economic Series; issue 97. Ottawa: Research Division, Canada Mortgage and Housing Corporation, 2002. Description 4 p. (CaI MHI13 02H97)
- _____. **Transforming Your Practice: Integrated Design Charrettes for Sustainable Building.** Research Highlights. Technical Series; 02-102. Ottawa: Research Division, Canada Mortgage and Housing Corporation, 2002. Description 4 p. (CaI MHI16 02HI02)
- Canadian Wood Council. **Green by Design: Renewable, Durable, Sustainable Wood.** Ottawa: Canadian Wood Council: Forest Products Association of Canada, 2002? Description 20 p. (TH1101 G73)
- Chiras, Daniel D. **The Solar House: Passive Solar Heating and Cooling.** White River Junction, VT: Chelsea Green Pub., 2002. Description x, 274 p. (TH7414 C475 2002)
- CMHC International. **Tips on Selling in the U.S. Green Housing market.** Ottawa: CMHC International, 2002. Description 36 p. (CaI MH56 02T37)

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Summary Do you have a housing system or building product that reduces environmental impacts or contributes to occupant health and safety? There may be a market for you in the United States. Housing markets in the United States are increasingly adopting a build green strategy to give consumers what they want. Canada Mortgage and Housing Corporation prepared this booklet to help you tap into those markets. The booklet provides a definition of green building, outlines basic steps to take to learn about the U.S. green housing market, and includes a listing of green building programs. It covers distributors and retailers, directories and product certification, conferences and events, key contacts and other marketing considerations.

Coleman, Debra Rucker. **Sunplans: Passive Solar House Plans for the 21st Century.** Citronelle, AL: Sun Plans Inc., c2002. Description 64 p. (NA7117.S65 C64 2002)

Connell, John and Lea, John P. **Urbanization in the Island Pacific: Towards Sustainable Development.** Routledge Pacific Rim Geographies Series. London; New York: Routledge, 2002. Description xiv, 240 p. (HT384.P16 C66 2002)

Curwell, S. R. ... et al. **Hazardous Building Materials: A Guide to the Selection of Environmentally Responsible Alternatives.** 2nd ed. London: Spon Press, 2002. Description 196 p. (TA403.6 H39 2002)

Day, Christopher. **Spirit & Place: Healing Our Environment: Healing Environment.** Oxford: Architectural Press, 2002. Description xiv, 253 p., 16 p. of plates (NA2542.35 D39 2002)

Déoux, Suzanne et Déoux, Pierre. **Le guide de l'habitat sain : habitat qualité santé pour bâtir une santé durable.** Andorra : Medieco éditions, c2002. Description 407 p. (RA770 D46 2002)

Enermodal Engineering Ltd. **Monitored Performance of an Innovative Multi-unit Residential Building: Final Report.** Ottawa: Canada Mortgage and Housing Corporation, 2002. Description xi, 96, 27 p. (Ca1 MH 02M55)

Summary A research project was undertaken to investigate a wide variety of aspects in an innovative condominium building in Dundas, Ontario. The 48 unit, 6 storey building was designed to use 35% less energy than a similar building designed to just meet the Model National Energy Code of Canada for Buildings. To better understand the operation of the building a comprehensive monitoring and evaluation program was undertaken. The monitoring program consisted of one-time measurements of envelope airtightness, indoor air quality, ventilation system performance and air movement. A PC-based data acquisition system was installed. Performance monitoring included the heating systems, building envelope, and ventilation systems. Monitoring was undertaken to understand long-term system performance, indoor air quality and overall energy performance. Short-term testing was also undertaken to investigate building air tightness and

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indoor air quality issues. A quantitative analysis of the performance of these areas is presented. The benefits and shortcomings in each area are examined.

Ewing, Rex A. and Ewing, LaVonne. **Logs, Wind and Sun: Handcraft Your Own Log Home... Then Power It with Nature.** Masonville, Colo.: PixyJack Press, 2002. Description 304 p. (TH4840 E93 2002)

Forschungsgesellschaft Landschaftsentwicklung--Landschaftsbau. **Guideline for the Planning, Execution and Upkeep of Green-Roof Sites.** Bonn: Forschungsgesellschaft Landschaftsentwicklung Landschaftsbau, 2002. Description 95 p. (SB419.5 G84 2002)

Contents Methods to be employed when investigating vegetation substrates and aggregate-type drainage materials used at roof-greening sites --Procedure for investigating resistance to root penetration at green-roof sites.

Green, Morgan. **First Nations Building Environmentally Sustainable Housing: Final Report.** Ottawa: Canada Mortgage and Housing Corporation, c2002. Description 62 p. (Ca1 MH 02F35)

Summary This publication focuses on proven alternative construction methods, materials and techniques to achieve Healthy Housing and environmentally sustainable community development and economic development. It outlines and explains new and efficient: Construction methods and materials; Cutting-edge technologies for electrical co-generation; Biological sewage and waste water treatment and purification systems; Alternative methods for heat generation; Innovative transportation systems for use in remote/fly-in communities. The publication outlines the importance of planning to create an integrated approach to Healthy Housing and environmentally sustainable community development. It illustrates and explains some examples of Healthy Housing systems. It provides the principles that CMHC uses to guide and develop Healthy Housing, as well as the principles Onkwehonwene Anishnabek Sustainable Integrated Systems (OASIS) uses to achieve an integrated approach to environmentally sustainable community and economic development in First Nations. It provides updates on: The Eagle Lake Healthy House and micro-infrastructure; The Mohawk community of Tyendinaga, planned sustainable Healthy Housing subdivision; The Mohawk Community of Kahnawake, straw bale construction method and their planned sustainable community; Micro-infrastructures and self-contained utility development. In addition, it uses as examples: The Pikangikum First Nation proposed 16-unit Healthy House project; and The Sheshegwaning First Nation Environmental Management Strategy.

Green, Morgan. **Les Premières nations construisent des logements respectueux de l'environnement : rapport final.** Ottawa : Société canadienne d'hypothèques et de logement, c2002. Description 62 p. (Ca1 MH 02F35f)

Résumé Cette publication décrit des méthodes, des techniques et des matériaux novateurs qui représentent des solutions de rechange pour la construction de maisons saines et le développement économique et communautaire respectueux

de l'environnement. Ce guide décrit de nouveaux concepts efficaces concernant : les méthodes et matériaux de construction; les technologies de pointe en cogénération électrique; les systèmes de traitement et de purification biologiques des eaux usées; les installations de chauffage non traditionnelles; les modes de transports novateurs pour les collectivités isolées/desservies par voie aérienne. Ce guide souligne l'importance de la planification dans l'élaboration d'une approche intégrée pour la construction de maisons saines et l'atteinte d'un développement communautaire durable. Le guide présente des exemples de maisons saines. Il énonce les principes adoptés par la SCHL pour orienter et encourager la construction de maisons saines de même que ceux adoptés par OASIS (Onkwehonwene Anishnabek Sustainable Integrated Systems) dans l'élaboration d'une démarche intégrée pour un développement économique et communautaire respectueux de l'environnement parmi les Premières nations. Le guide présente des mises à jour sur des projets comme : la micro-infrastructure et la Maison saine d'Eagle Lake; le lostissement de maison saine durable de la collectivité mohawk de Tyendinaga; la méthode de construction avec des ballots de paille et la planification communautaire durable de la collectivité mohawk de Kahnawake; les micro-infrastructures et le développement de services d'infrastructure autonomes. De plus, le guide utilise les exemples suivants : la proposition d'un projet de seize maisons saines de la Première nation de Pikangikum; la stratégie de gestion environnementale de la Première nation de Sheshegwaning.

Houser, Kathryn and Myers, Michael. **GreenBuilt Tours: How to Organize a Successful Tour of Sustainable Architecture.** Austin, Texas: Sustainable Living Alliance, 2002. Description 64 p. + CD-ROM (NA2542.36 H68)

IndEco Strategic Consulting Inc. **Transforming your Practice: Integrated Design Charrettes for Sustainable Buildings: Toronto Charrette Results.** Prepared for Canada Mortgage and Housing Corporation. Toronto: IndEco, 2002. Description iv, 45, 45 p. (HD320.T6 T72 2002)

Summary This charrette took place in Toronto, at the City of Toronto's Metro Hall, November 7th and 8th, 2001. The objective of the Toronto Charrette event was to use the integrated design process (IDP) to push the boundaries of building performance towards more sustainable practices. The sessions were intended to take a varied complement of professionals through an integrated design process in the context of a new project, so that they would "learn by doing" and be able to use IDP within their own practice. Four partners supported Canada Mortgage and Housing Corporation in this event: -- Enbridge Consumers Gas, -- City of Toronto's Better Buildings Partnership, -- Natural Resources Canada's Office of Energy Efficiency, and -- Canadian Energy Efficiency Alliance. The goals of the partners were to: -- Establish a forum where a multi-disciplinary group of design professionals could work together on a sustainable design project, -- Gain insights into sustainable building practices, and -- Learn how to advance building performance, starting from design conception to understanding of operations issues, building on each others' unique perspectives and expertise. This document discusses the integrated design process and reports on the results of the charrette.

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International Green Building Conference and Exposition (2002 : Austin, Texas).
The Austin Papers: Best of the 2002 International Green Building Conference. Compiled by the editors of Environmental Building News. Brattleboro, VT: BuildingGreen, Inc., 2002. Description 109 p. (NA2542.36 I59 2002)

Jadoul, Françoise. **La terre est notre maison : construire, rénover, habiter en respectant l'homme et l'environnement.** Bruxelles : Éditions Luc Pire, c2002. Description 208 p. (TH4812 J32 2002)

Jordan, Paul. **Residential Development in Coastal Communities: Addressing Climate Change Through Sustainable Coastal Planning: Case Study Analysis.** Prepared for Canada Mortgage and Housing Corporation. Ottawa: The Corporation, 2002. Description ii, 38 p. (Ca1 MH 02R23)

Summary The Beaubassin coastal area of southeastern New Brunswick has a long coastal development history. It has become one of the premier places to live and play in New Brunswick. In recent years, a number of storm surges have impacted dramatically on people's coastal homes, cottages and properties. Scientists have determined that sea-level rise is occurring due to climate change and the impacts are being felt all along the coasts of not only New Brunswick but all of Canada. This project looks at the issue of sea-level rise and coastal residential development. The study reviews residential development patterns and explores unsustainable land use practices of coastal communities. It looks at ways in which property owners are currently adapting to sea-level rise, storm surges and coastal flooding. The project recommends ways in which both communities and property owners can adapt to sea-level rise and storm surges in a sustainable way.

Kaan, H. F. ... et al. **Photovoltaic Power Systems in the Built Environment.** Utrecht: NOVEM, 2002? Description 1 computer laser optical disc (CD-ROM TK1087 P48)

Kadulski, Richard. **Integrated Design Charrette for a Sustainable Univercity Community: Charrette Results,** Burnaby, BC, September 6-10, 2002. Prepared for Canada Mortgage and Housing Corporation. Ottawa: The Corporation, 2002. Description 43 leaves (Ca1 MH 02I52)

Summary In order to support the development teams in the design of a new, more sustainable residential development at Simon Fraser University, known as the UniverCity Community, an integrated design charrette was initiated in September 2002. The charrette took place over two days at Simon Fraser University in Burnaby on September 9 and 10, 2002. The intention of the Charrette was to use the integrated design process (IDP) to push the boundaries of building performance towards more sustainable practices. The objective of the Charrette was to provide participants with the tools and information required to make it easier to implement the Green Building Guidelines established for the UniverCity Community. The sessions were intended to take development teams working on the first stage of the UniverCity Highlands project through an integrated design

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process. Experts with experience in the integrated design process acted as facilitators and provided support to the design teams. Resource persons were selected to provide specific areas of expertise that would complement the composition of the design teams and enable the integrated design process in each team to become more specific and less theoretical. The charrette helped development teams attain meaningful progress towards the UniverCity development's sustainability goals. This report describes the integrated design process, the work of the charrette teams, the break out sessions, and the conclusions reached.

Kasteren, Joost van ... et al. **Duurzaam huisvesten : een leidraad voor strategisch denken = Buildings that Last: Guidelines for Strategic Thinking.** Rotterdam: NAI, 2002. Description 174 p. (NA2542.36 D88 2002)

Keenan, Andrea and Georges, Danielle, eds. **Green Building: Project Planning & Cost Estimating: A Practical Guide for Constructing Sustainable Buildings, Cost Data for Green Materials, Components & Systems, Special Project Requirements, Financial Analysis & Incentives.** Kingston, Mass.: R.S. Means, c2002. Description xxiv, 520 p. (TH4315 G73 2002)

Kibert, Charles J.; Sendzimir, Jan; and Guy, G. Bradley, eds. **Construction Ecology: Nature as the Basis for Green Buildings.** London: Spon Press, 2002. Description xxiv, 305 p. (TH146 C66 2002)

MacDonald, Mary. **Agendas for Sustainability: Environment and Development into the Twenty-First Century.** Taylor & Francis e-Library ed. Routledge/SEI Global Environment and Development Series. London; New York: Routledge, 2002. Description xvi, 120 p. Electronic reproduction. Boulder, Colo.: NetLibrary, 2002. (Electronic File NetLibrary)

Manasc, Vivian and Mahaffy, Cheryl. **Agora Borealis: Engaging in Sustainable Architecture.** Edmonton: Partners in Design, 2002. Description 167 p. (NA2542.36 M36 2002)

Moffatt, Sebastian. **Workshop Proceedings: A Follow-up Workshop to the Sustainable Buildings 2000 Conference, Winslerhoff Estate, Holland, October 26, 27, 2000.** Proceedings prepared by Sebastian Moffatt. Ottawa: Canada Mortgage and Housing Corporation, 2002. Description 62 p. (Ca1 MH 02W56)

Summary This project's objective was to conduct and report upon a workshop entitled 'Sustainable Integration of Infrastructure and Buildings in Maastricht, The Netherlands. The project developed a report which includes the proceedings of a two day discussion and design exercise where European and Canadian experts explored the potential of green buildings to perform as community infrastructure. The report also includes a brief analysis of where Canadian design expertise in this field might find a market niche in European design markets.

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- Murdoch, Jonathan and Abram, Simone. **Rationalities of Planning: Development Versus Environment in Planning for Housing.** Aldershot, Hampshire, England; Burlington, VT: Ashgate, c2002. Description x, 163 p. (HD7333.A3 M835 2002)
- Oberlander, Cornelia Hahn; Whitelaw, Elisabeth; and Matsuzaki, Eva. **Introductory Manual for Greening Roofs for Public Works and Government Services Canada.** Gatineau: Public Works and Government Services Canada, Technology Directorate, 2002. Description 32 p. (Ca I PW27 02155)
- Oikos (Villeurbanne, France). **Les Clés de la maison écologique.** Mens, France : Terre vivante, c2002. Description 157 p. (TH4860 C56 2002)
- Organisation for Economic Co-operation and Development. Territorial Development Service. **Canberra: A Sustainable Future.** Paris: Organisation for Economic Co-operation and Development, c2002. Description 236 p. (ZZ EC 02C17)
- Owens, Susan E. and Cowell, Richard. **Land and Limits: Interpreting Sustainability in the Planning Process.** Routledge Research Global Environmental Change Series. London; New York: Routledge, 2002. Description ix, 244 p. (HD596 O938 2002)
- Pasqualetti, Martin J.; Gipe, Paul; and Righter, Robert W., eds. **Wind Power in View: Energy Landscapes in a Crowded World.** Sustainable World Series. San Diego: Academic Press, c2002. Description xi, 234 p. (TJ820 W5767 2002).
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- Pearl, Daniel and Olivier, Bernard. **Integrated Design Process (IDP) Description and Evaluation Final Report: Seville Theater Redevelopment Project, 2153-2197 Sainte-Catherine Street West, Montreal.** Montréal: L'OEUF (Pearl Poddubiuk architectes), 2002. Description 86, 65 p. (NA6840.C32 M56 2002)

Summary This report describes the results of an integrated design process carried out for the Seville Theatre Redevelopment Project in Montreal. The purpose of the charrette was to validate the economic potential in creating and building an innovative concept that is predominantly environmentally sound. This charrette distinguished itself from previous ones by its inclusion of a wider range of concerns beyond energy efficiency: urban integration, commercial operation requirements and the questioning of the program itself, recycling of existing buildings and heritage issues, embodied energy and greenhouse gas emissions as well as urban ecology. With respect to building energy performance, the discussion was similarly widened to include a number of technologies which have not yet been widely applied in the Canadian context yet, such as underground earth pipes and

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double-skin ventilated walls/facades. This final report provides the context for the charrette, describes the integrated design process that took place, and outlines results and comments from the post-charrette evaluation. Appendices include pre- and post-charrette designs, and participant papers and reports.

Peck, Steven W. and Tomalty, Ray. **Theory to Practice: Lessons Learned from the Use of Performance Assessment Measures to Implement Sustainable Communities: Final Report.** Ottawa: Canada Mortgage and Housing Corporation, 2002. Description 80 p. (Ca I MH 02T36)

Summary This report provides a review of the lessons learned from practitioners engaged in the development and use of performance assessment measures (PAMs) for sustainable community development through the development of case studies. A PAM involves the use of an indicator and target for achieving a certain desired future state of affairs with respect to promoting the features of sustainable community development. The process of developing and utilizing PAMs is fundamentally important in moving from broad sustainable community visions, goals and objectives to the implementation of specific measures that yield progress. PAMs are a tool for operationalizing sustainable development in a manner that reflects local circumstances. PAMs are used for a wide variety of purposes including public education, internal program and policy review and development, staff and political communications, and relations with the development community, to name a few. The establishment of PAMs within an overall sustainable community development and reporting process can be challenging and the report points to a number of methods of establishing an effective program.

Peuser, Felix A.; Remmers, Karl-Heinz; and Schnauss, Martin. **Solar Thermal Systems: Successful Planning and Construction.** Berlin: Solarpraxis, 2002. Description 12, 364 p. (TKI056 P4812 2002)

Portland (Or.). Office of Sustainable Development. **Greening Portland's Affordable Housing: A Resource Guide to Improving Environmental Performance, Tenant Health and Long-Term Durability in Affordable Housing.** Portland, OR: Office of Sustainable Development: Portland Development Commission, 2002. Description 97 p. (US4 OR PTH86 02G66)

Rakodi, Carole; Nunan, Fiona; and McCallum, Douglas. **Sustainable Urbanisation: Achieving Agenda 21.** Nairobi, Kenya: UN-HABITAT; London, UK: DFID, 2002. Description 32 p. (UN2 C75 02S77)

Register, Richard. **Ecocities: Building Cities in Balance with Nature.** Berkeley, Calif.: Berkeley Hills Books: Distributed by Publishers Group West, c2002. Description 290 p. (HT241 R44 2002)

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SCHL International. **Conseils pour vendre dans le marché de la construction écologique aux États-Unis.** Ottawa : SCHL International, 2002. Description 36 p. (CaI MH56 02T37f)

Résumé Fabriquez-vous un système d'habitation ou un produit de construction qui réduit les incidences environnementales ou contribue à la santé et à la sécurité des occupants? Peut-être y a-t-il un marché pour vos produits aux États-Unis. Dans les marchés de l'habitation américains, on adopte de plus en plus une stratégie de construction écologique pour répondre aux attentes des consommateurs. La Société canadienne d'hypothèques et de logement a préparé la présente brochure pour vous aider à percer ces marchés. La brochure offre une définition de la construction écologique, décrit la marche à suivre pour en apprendre davantage sur le marché de la construction écologique aux États-Unis et inclut la liste des programmes de construction écologique. Elle traite également des distributeurs et des détaillants, des répertoires et de l'homologation des produits, des conférences et des activités, des personnes-ressources clés et d'autres questions touchant le marketing.

Seavey, William L. **The People's Guide to Basic Solar Power.** Grover Beach, CA: William L. Seavey, c2002. Description 18 p. (TJ810 S37 2002)

Sikora, Jeannie Leggett. **Profit from Building Green: Award Winning Tips to Build Energy Efficient Homes.** Washington, D.C.: BuilderBooks, National Association of Home Builders, c2002. Description xiii, 93 p. (TH4812 S54 2002)

Société canadienne d'hypothèques et de logement. Division de la recherche. **Ardenraig : documentation d'un projet de reconstruction d'un triplex et d'insertion à Vancouver comportant des caractéristiques d'aménagement durable.** Le Point en recherche. Série technique ; 02-111. Ottawa : La Division, 2002. Description 6 p. (CaI MH116 02H111f)

_____. **La Consommation d'énergie dans les maisons en ballots de paille.** Le Point en recherche. Série technique ; 02-115. Ottawa : Division de la recherche, Société canadienne d'hypothèques et de logement, 2002. Description 4 p. (CaI MH116 02H115f)

_____. **Évaluation définitive du système de réutilisation des eaux ménagères de la Conservation Co-op.** Le Point en recherche. Série technique ; 02-100. Ottawa : Division de la recherche, Société canadienne d'hypothèques et de logement, 2002. Description 6 p. (CaI MH116 02H100f)

_____. **Gestion communautaire de l'énergie : document de base.** Le Point en recherche. Série technique ; 02-112. Ottawa : Division de la recherche, Société canadienne d'hypothèques et de logement, 2002. Description 6 p. (CaI MH116 02H112f)

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- _____. **Guide de planification des charrettes de conception en matière de planification et d'aménagement de collectivités durables.** Le Point en recherche. Série socio-économique 103. Ottawa : Division de la recherche, Société canadienne d'hypothèques et de logement, 2002. Description 6 p. (CaI MH113 02H103f)
- _____. **La Maison saine en région nordique : vers un projet de démonstration de maison saine dans le nord.** Le Point en recherche. Série technique ; 02-126. Ottawa : Division de la recherche, Société canadienne d'hypothèques et de logement, 2002. Description 4 p. (CaI MH116 02H126f)
- _____. **Planification et développement des collectivités durables : outils de participation et pratiques.** Le Point en recherche. Série socio-économique no 97. Ottawa : Division de la recherche, Société canadienne d'hypothèques et de logement, 2002. Description 4 p. (CaI MH113 02H97f)
- _____. **Projet d'aménagement d'une collectivité durable à Okotoks (Alberta) : enquête sur l'opinion des consommateurs.** Le Point en recherche. Série socio-économique 111. Ottawa : Division de la recherche, Société canadienne d'hypothèques et de logement, 2002. Description 6 p. (CaI MH113 02H111f)
- _____. **Projet pilote sur les lessiveuses à haute efficacité dans les collectifs d'habitation.** Le Point en recherche. Série technique ; 02-137. Ottawa : Division de la recherche, Société canadienne d'hypothèques et de logement, 2002. Description 4 p. (CaI MH116 02H137f)
- _____. **Rattrapage éconergétique d'une ville : guide proposant aux municipalités des moyens de mettre en oeuvre un programme de rattrapage des bâtiments.** Le Point en recherche. Série socio-économique no 105. Ottawa : Division de la recherche, Société canadienne d'hypothèques et de logement, 2002. Description 4 p. (CaI MH113 02H105f)
- _____. **Tenue en service d'un collectif d'habitation novateur.** Le Point en recherche. Série technique ; 02-135. Ottawa : Division de la recherche, Société canadienne d'hypothèques et de logement, 2002. Description 4 p. (CaI MH116 02H135f)
- _____. **Les Tours d'habitation saines : guide pour la conception et la construction innovatrices d'immeubles résidentiels de grande hauteur.** Le Point en recherche. Série technique ; 02-101. Ottawa : Division de la recherche, Société canadienne d'hypothèques et de logement, 2002. Description 6 p. (CaI MH116 02H101f)

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_____. **Transformez vos méthodes : charrettes sur la conception intégrée de bâtiments durables.** Le Point en recherche. Série technique ; 02-102. Ottawa : Division de la recherche, Société canadienne d'hypothèques et de logement, 2002. Description 6 p. (Ca1 MH116 02H102f)

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Sustainable Buildings Industry Council. **Green Building Guidelines: Meeting the Demand for Low-Energy, Resource-Efficient Homes.** Washington, D.C.: Sustainable Buildings Industry Council, 2002? Description x, 135 p. (TH4812 G73)

White, Nick, ed. **Sustainable Housing schemes in the UK: A Guide with Details of Access.** Edited by Nick White from the Hockerton Housing Project. Hockerton, Southwell, Notts: Hockerton Housing Project, 2002. Description 50 p. (NA2542.36 S875 2002)

Wilhide, Elizabeth. **Eco: An Essential Sourcebook for Environmentally Friendly Design and Decoration.** London: Quadrille, 2002. Description 184 p. (NA7117.5 W54 2002)

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- Arendt, Randall. **Growing Greener Ordinance Language: Visually Enhanced Zoning and Subdivision Models.** Prepared by Randall Arendt; with Michael G. Clarke ... et al. United States: Natural Lands Trust: Distributed by Island Press, c2001. Description 1 computer optical disc : sd., col. ; 4 3/4 in. (CD-ROM HT167 A8319 2001)
- Baskaran, Appupillai, ed. **International Conference on Building Envelope Systems and Technologies: ICBEST 2001.** Ottawa: National Research Council Canada, Institute for Research in Construction, 2001. Description 2 v. (Ca1 RC51 01151)
- Battle, Guy and McCarthy, Christopher. **Sustainable Ecosystems and the Built Environment.** Chichester: Wiley-Academy, 2001. Description 128 p. (NA2542.36 B38 2001)
- Bopp, Michael and Judie. **Recreating the World: A Practical Guide to Building Sustainable Communities.** Calgary: Four Worlds Press, 2001. Description xiv, 286 p. (HN49.C6 B67 2001)
- Brown, G. Z. and DeKay, Mark. **Sun, Wind & Light: Architectural Design Strategies.** 2nd ed. New York: Wiley, c2001. Description xix, 382 p. (NA2542.3 B76 2001)
- Burton, Tony ... et al. **Wind Energy Handbook.** Chichester; New York: J. Wiley, c2001. Description xxiv, 617 p. (TJ820 W56 2001)
- Callard, Sarah and Millis, Diane. **Green Living: Eco-friendly Homes, Natural Gardening, Organic Food, Energy Saving, Recycling.** London: Andre Deutsch, c2001. Description 192 p. (TH4860 C34 2001)
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- Canada. **Information for Decision Making in Sustainable Development = Information pour la prise de décisions en matière de développement durable.** Sustainable Development in Canada Monograph Series; monograph no. 16 = Collection monographies sur le développement durable au Canada monographie no 16. A Canadian contribution to the dialogue at the Ninth Session of the United Nations Commission on Sustainable Development, April 16 to 27, 2001. Ottawa: Natural Resources Canada = Ressources naturelles Canada, 2001. Description vi, 30, 30, vi p. (CaI EP4 01N16)
- Canada. **Sustainable Transportation: The Canadian Context = Transport durable, le contexte canadien.** Sustainable Development in Canada Monograph Series; monograph no. 15 = Collection monographies sur le développement durable au Canada monographie no 15. A Canadian contribution to the dialogue at the Ninth Session of the United Nations Commission on Sustainable Development, April 16 to 27, 2001. Ottawa: Transport Canada = Transports Canada, 2001. Description vi, 24, 24, vi p. (CaI EP4 01N15)
- Canada. Natural Resources Canada. **Residential Solar Pool Heating Systems: A Buyer's Guide.** Ottawa: Natural Resources Canada, c2001. Description 29 p. (CaI MS 01R27)
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- Canada Mortgage and Housing Corporation. **Your Next Move: Choosing a Neighbourhood with Sustainable Features.** Ottawa: The Corporation, 2001. Description 8 p.
- Canada Mortgage and Housing Corporation. Research Division. **Analysis of the Annual Energy and Water Consumption of Apartment Buildings in the CMHC HiSTAR Database.** Research highlights. Technical Series; 01-142. Ottawa: The Division, 2001. Description 4 p. (CaI MH116 01H142)
- _____. **The BREEAM Green Leaf Environmental Assessment Protocol for Multi-residential Buildings.** Research Highlights. Technical Series; 01-119. Ottawa: Research Division, Canada Mortgage and Housing Corporation, 2001. Description 6 p. (CaI MH116 01H119)
- _____. **Domestic Cold Water Booster Pump Control Monitoring Pilot Program.** Research Highlights. Technical Series; 01-108. Ottawa: Research Division, Canada Mortgage and Housing Corporation, 2003. Description 4 p. (CaI MH116 01H108)

_____. **EcoPerth: A Small Rural Community Takes Action on Climate Change.** Research Highlights. Socio-economic Series; issue 82. Ottawa: Research Division, Canada Mortgage and Housing Corporation, 2001. Description 5 p. (CaI MH113 01H82)

Summary By communicating the experience of Perth, Ontario, this project shows how a small rural town can respond to the issues of climate change. The planning and implementation of many initiatives of EcoPerth, a community-based project, are described. The initiatives fall into four categories: The Green Team (planting trees, naturalizing the land and promoting local food), the Building Team (use less energy at home, work and play), the Transportation Team (finding innovative ways to simply get around) and the Communication Team (Getting the word out and moving from awareness to action).

_____. **Energy Use Patterns in Off-Grid Houses.** Research Highlights. Technical Series; 01-103. Ottawa: Research Division, Canada Mortgage and Housing Corporation, 2001. Description 23 p. (CaI MH116 01H103)

_____. **The Headwaters Project: East Clayton Neighbourhood Concept Plan.** Research Highlights. Socio-economic Series; issue 78. Ottawa: Research Division, Canada Mortgage and Housing Corporation, 2001. Description 8 p. (CaI MH113 01H78)

Summary The Headwaters Project is a demonstration of sustainable development principles and performance standards in the community of East Clayton, Surrey, B.C. Its purpose is to provide a replicable model that can be used to develop more sustainable communities throughout British Columbia's Lower Mainland Region and potentially beyond. This research highlight describes the Neighbourhood Concept Plan (NCP) and the planning process. It also examines some anticipated environmental and economic benefits of the NCP, including greenhouse gases from urban travel, impacts on local streams and hydrology, and infrastructure, land and building costs.

_____. **Implementing Sustainable Community Development: Charting a Federal Role for the 21st Century.** Research Highlights. Socio-economic Series; issue 74. Ottawa: The Division, 2001. Description 8 p. (CaI MH113 01H74)

_____. **Shared Servicing for Rural Cohousing: A Sustainable Approach to Rural Habitation.** Research Highlights. Technical Series; 01-135. Ottawa: Research Division, Canada Mortgage and Housing Corporation, 2001. Description 2 p. (CaI MH116 01H135)

_____. **Southeast False Creek Design Charrette: Exploring High Density, Sustainable Urban Development.** Research Highlights. Socio-economic Series; issue 81. Ottawa: Research Division, Canada Mortgage and Housing Corporation, 2001. Description 6 p. (CaI MH113 01H81)

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Carley, Michael; Jenkins, Paul; and Smith, Harry, eds. **Urban Development and Civil Society: The Role of Communities in Sustainable Cities.** Sterling, VA: Earthscan Publications, 2001. Description xiv, 230 p. (HT166 U7315 2002)

Carpenter, T. G., ed. **Environment, Construction and Sustainable Development.** Chichester, West Sussex, England; New York: Wiley, c2001. Description 2 v. (xv, 739 p.) (TD195.C54 E54 2001)

Contents v. 1. The Environmental impact of construction -- v. 2. Sustainable civil engineering.

Crofton, Fiona S. **Outils pratiques pour la participation à la planification et au développement de collectivités durables : rapport final. Série sur la maison et les collectivités saines.** Élaboré pour la Division de la recherche, Société canadienne d'hypothèques et de logement. Ottawa : La Division, 2001. Description iv, 131 p. (Ca1 MH110 01572f)

Résumé Ce manuel vise à aider ceux qui cherchent à faire participer d'autres intervenants à la planification et à l'aménagement de collectivités durables à franchir les diverses étapes de la planification participative de collectivités durables de façon harmonieuse et efficace. Les principes, les outils, les méthodes et les directives contenues dans le manuel proviennent de toute une gamme de domaines d'expertise et de l'apport de praticiens expérimentés. Après une brève introduction le manuel est présenté en quatre sections principales. 1) "L'initiation", se concentre sur le contexte de participation à la planification de collectivités durables et porte une attention particulière aux principes clés de la participation, aux niveaux de participation, ainsi qu'aux inconvénients et aux avantages de faire participer plusieurs intervenants à la planification de collectivités durables. 2) "Préparation", expose les étapes d'une planification, d'une mise en oeuvre et d'un suivi efficaces. Une série de conseils détachables et des listes de vérification se trouvent en annexe. 3) "Participation", présente les outils essentiels et une "trousse à outils" de courts feuillets exposant brièvement cinq types généraux d'activités de participation, une boîte à outils de plus de 150 différents outils et méthodes utiles à diverses activités et une série de cartes de scénarios qui illustrent les façons dont on peut ordonner divers outils et les manières dont les intervenants peuvent participer tout au long d'un processus de planification particulier. Des exemples d'outils et des ressources pour cette section sont donnés en annexe. 4) "Continuation", aborde des façons d'assurer une participation continue à la planification et parle de l'évolution des rôles des planificateurs et des citoyens dans le processus. En somme, cet ouvrage vise à : -- fournir aux utilisateurs un cadre pour comprendre les processus concernant participation, des conseils pour planifier des programmes efficaces et continus de planification participative de collectivités durables et des outils pour entreprendre de tels programmes; -- faciliter le virage de la planification des collectivités d'une situation où les planificateurs disent qu'ils résoudront tout et feront tout le travail pour la collectivité à un contexte où l'on s'entendra pour travailler et apprendre ensemble en vue de trouver des solutions novatrices et d'atteindre des résultats avantageux pour tous.

2001

Crofton, Fiona S. **La planification et le développement des collectivités durables : guide de planification de charrettes de conception : rapport final. Série sur la maison et les collectivités saines.**

Préparé pour Service de l'urbanisme, Ville de Vancouver et Douglas Pollard, Division de la recherche, Société canadienne d'hypothèques et de logement. Ottawa : La Division, 2001. Description 73, 44 p. (Ca1 MH110 01S73f)

Résumé Les charrettes de conception sont de plus en plus prisées pour amener des personnes possédant une expertise et des intérêts divers à créer ensemble des concepts de rechange innovateurs qui traduisent bien les objectifs multiples et les intérêts communs. Elles donnent corps aux idées et aux principes directeurs et peuvent être employées pour évaluer et peaufiner les politiques et les orientations de planification et d'aménagement. Dans l'ensemble, les charrettes de conception constituent un excellent moyen pour obtenir les propositions les plus créatives et aborder de front les questions les plus difficiles à très brève échéance. Le manuel dont il est question ici est censé servir de guide pour les personnes qui souhaitent accueillir ou amorcer une charrette de conception sur la planification des collectivités durables. Le guide s'applique explicitement au domaine de l'aménagement urbain, mais peut également convenir à d'autres contextes de planification. Le premier chapitre commence par introduire les concepts et les éléments de développement durables et des collectivités durables, ainsi que le rôle imparté aux concepteurs. On examine ensuite plus en détail les charrettes de conception et activités semblables en fonction de leurs buts, de leur utilité et de leur contribution à l'élaboration de politiques et à la planification des collectivités. Le chapitre fournit des informations fondamentales sur la planification durable, ainsi que des conseils permettant aux utilisateurs d'utiliser à bon escient les charrettes de conception dans leur collectivité. La partie, "C'est un départ", donne un aperçu des enjeux et des étapes clés de l'organisation d'une charrette de conception ou si l'on participe à sa mise sur pied. Cette section examine le contexte de prise de décision, les alliés et les ressources, les façons de susciter le soutien du plan et d'en faire la promotion ainsi que la marche à suivre pour obtenir les approbations officielles. Le chapitre intitulé "Évaluation de l'état de préparation" vous aidera à décider si vous êtes prêt ou non à poursuivre, et vous indiquera la suite en fonction de vos réponses. Planification de la charrette : La partie intitulée "Retrouvons nos manches" met l'accent sur la multitude de tâches à accomplir avant la charrette. Elle comprend des sections sur les intervenants des collectivités et les communications, les consultants et les animateurs, les réunions de planification et autres options, les problèmes de conception, dont les discussions détaillées portant sur l'élaboration de l'énoncé de conception, la formation de l'équipe de conception ainsi que le choix des participants, le temps accordé et le calendrier, le choix de l'emplacement et des équipements, le matériel de soutien et tout élément additionnel de logistique. Des exemples de calendriers, de produits et de listes sont fournis. Les sections finales sont axées sur le déroulement et la gestion de la charrette ainsi que sur la documentation de soutien. Dans le dernier chapitre on traite de trucs et de conseils pour gérer les produits de la charrette, en plus des communications et des comptes rendus des exposés.

2001

Crofton, Fiona S. **Sustainable Community Planning and Development: Design Charrette Planning Guide: Final Report.** Prepared for Ian Smith, Planning Department, City of Vancouver and Douglas Pollard, Research Division, Canada Mortgage & Housing Corporation. Ottawa: The Division, 2001. Description vi, 76, 47 p. (CaI MH110 01S73)

Summary Design charrettes are becoming increasingly popular as a way to bring a range of expertise and interests together to collaborate on creating innovative design solutions and embody multiple objectives and mutual interests. They give visual form to ideas and policies and can be used to test and refine planning and development policies and directions. Overall, they are a means to obtain the most creative proposals for addressing the most difficult problems in the least amount of time. This manual is intended as a guide for those who would like to host or otherwise initiate a design charrette process for sustainable community planning. It is directed particularly at the urban planning context but has application to other planning contexts as well. The opening chapter begins with an introduction to the concepts and elements of sustainable development and 'sustainable community', and the role of design. Design charrettes and charrette-like events are then explored in more detail in terms of their purposes, usefulness and contribution to policy development and community planning. The chapter is intended to provide foundational information regarding sustainability planning, and guidance for deciding how a design charrette can be useful in your local community. The next chapter outlines key issues and steps involved in confirming a 'go ahead' for hosting or otherwise becoming involved with a charrette. This section examines the decision-making context, allies and resources, ways of building support and promoting the plan, and getting formal approvals. "Readiness Assessments" help you determine whether or not you are ready to proceed and what to do next in accordance with your answers. Chapter 3, Pre-Charrette Planning: Roll up Your Sleeves, is focused on the host of tasks to be completed in advance of a charrette. It includes sections on the stakeholder community and communications; consultants and facilitators; advance meetings and options; design issues including detailed discussion on the development of the design brief; design team formation and participant selection; time and timing; venue and facilities; support materials; and additional logistics. Sample schedules, products and lists are provided. The final chapters focus on the choreography, management and documentation of the charrette itself. Guidance and coaching hints for handling all the products of the charrette along with post-charrette communications and presentations is contained in the final chapter.

Crofton, Fiona S. **Sustainable Community Planning and Development: Participation Tools & Practices: Final Report.** Prepared for Research Division, Canada Mortgage & Housing Corporation. Ottawa: The Division, 2001. Description iv, 107, 7, 20 p. (CaI MH110 01S72)

Summary This manual is intended to help those who are seeking to involve others in sustainable community planning and development move through the various stages of participatory sustainable community planning smoothly and effectively. Principles, tools, methods and guidelines included in the manual are drawn from a wide range of expertise areas and input from experienced practitioners. Following a brief introduction providing reasons for the manual, a description of the intended

audience, an overview of contents and guidance for use, the manual is presented in four main sections. The first section, "Initiation", focuses on participation in the sustainable community planning context and includes special attention to key participation principles, levels of participation, and the issues and benefits of multi-stakeholder participation in sustainable community planning. The second section, "Preparation", outlines in detail ten important steps for effective planning, implementation and follow-up. A series of tear-out tips and checklists for this section are provided in an appendix. Section III, "Participation", presents essential tools and a 'tool kit' for participation in sustainable community planning. The tool kit includes short sheets outlining five general types of participation activity; a toolbox of more than 150 individual tools and methods useful for various activities; and a series of scenario maps which illustrate the ways various tools can be sequenced and how stakeholders can be involved throughout a particular planning process. Tool examples and resources for this section are included in the appendices. The final wrap-up section of the manual, "Continuation", addresses ways for ensuring ongoing participation in planning, and speaks to the changing roles of planners and citizens in the process. In sum, the aims of this book are:-- To provide users with a framework for developing an understanding of participation processes and issues; guidance for planning effective and continuous participatory sustainable community planning programs; and tools for undertaking such programs;-- To help shift community planning from one where planners say, "We'll figure it out and do it for you" to one where it is agreed that "We'll work and learn together" to find creative solutions and achieve mutually beneficial outcomes.

Cunningham, Neil R. **Rethinking the Urban Epidermis: A Study of the Viability of Extensive Green Roof Systems in the Manitoba Capital with an Emphasis on Regional Case Studies and Stormwater Management.** Thesis (M.L.A.) --University of Manitoba, 2001. Ann Arbor, MI: UMI Dissertation Services, 2007. Description ix, 270 p. (SB419.5 C86 2001)

ECD Energy and Environment Canada Ltd. **BREEAM Green Leaf Eco-Rating Program: CMHC Multi-residential Building Assessment Pilot: Final Report.** Toronto: ECD Energy and Environment Canada Ltd, 2001? Description 55 leaves (TJ163.245 B07)

Elpel, Thomas J. **Living Homes: Thomas J. Elpel's Field Guide to Integrated Design & Construction.** 4th ed. Pony, Mont.: HOPS Press, 2001. Description 217 p. (TH4815 E47 2001)

Feltmate, Blair W.; Schofield, Brian A.; and Yachnin, Ron W. **Sustainable Development, Value Creation and the Capital Markets.** Detailed Findings; 324-01. Ottawa: Conference Board of Canada, c2001. Description ii, 21 p. (HC79.E5 F45 2001)

Gaiam Real Goods Solar Living Sourcebook. "The complete guide to renewable energy technologies and sustainable living." Hopland, Calif.: Gaiam Real Goods; White River Junction, Vt.: Distributed by Chelsea Green Pub. Co., c2001- (TJ163.2 R42)

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Gauzin-Müller, Dominique. **L'architecture écologique.** Paris : Le Moniteur, c2001. Description 287 p. (NA2542.35 G38 2001)

Glass, Jacqueline. **Ecoconcrete: The Contribution of Cement and Concrete to a More Sustainable Built Environment.** Produced by Jacqueline Glass. Crowthorne, Berkshire: British Cement Association, 2001. Description 21 p. (TA681 G56 2001)

Gordon, Jeffrey N, ed. **Solar Energy: The State of the Art: ISES Position Papers.** London: James & James, 2001. Description xviii, 706 (TJ810.7 S64 2001)

Green, Morgan. **Bâtissons ensemble : meilleures pratiques autochtones d'établissement de maisons saines et de collectivités durables.** Document produit pour la Société canadienne d'hypothèques et de logement. Ottawa : La Société, c2001. Description iv, 52 p. (Ca1 MH 01B71f)

Résumé Cette publication porte sur les démarches, les méthodes et les matériaux de construction écologiques éprouvés permettant l'établissement de maisons saines et de collectivités durables. Ce guide expose et explique les éléments nouveaux et efficaces suivants :- Méthodes et matériaux de construction -- Technologies de fine pointe en matière de systèmes de cogénération électrique -- Systèmes de traitement naturel ou biologique des eaux usées et résiduaires --Systèmes de chauffage de rechange -- Systèmes de transports novateurs qui pourraient réduire certains des problèmes posés par la fourniture de produits et de matériaux de construction aux communautés éloignées ou accessibles par voie aérienne seulement. Mais surtout, ce guide souligne l'importance que revêt la planification pour créer une méthode intégrée favorisant à la fois la production de maisons saines et le développement communautaire et économique. Ce guide illustre et explique quelques exemples de maisons saines. Il expose les normes qu'utilise la SCHL dans la création de maisons saines et l'aménagement de communautés. Ce guide utilise les exemples suivants: - La Maison saine de Toronto. -La maison saine nordique de la Première nation d'Eagle Lake. -La maison saine de la Première nation de Roseau River. -La maison R-2000 des Mohawks de la baie de Quinte. -Le projet de maison saine et la stratégie de planification durable de la communauté des Mohawks de Kahnawake. -Le module de micro-infrastructures EcoNomad.

Green, Morgan. **Building Communities: First Nations Best Practices for Healthy Housing and Sustainable Community Development.** Prepared for Canada Mortgage and Housing Corporation. Ottawa: The Corporation, c2001. Description iv, 52 p. (Ca1 MH 01B71)

Summary This publication focuses on proven alternative construction methods, materials and approaches to achieve sustainable Healthy Housing and community development. "Building Communities" outlines and explains new and efficient: --Construction methods and materials --Cutting-edge technologies in electrical co-generation systems.--Natural, or biological, sewage and waste water treatment systems--Alternative heat generation systems--Innovative transportation systems

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that could reduce some of the problems providing construction products and materials to remote and fly-in communities. "Building Communities" outlines the importance of planning to create an integrated approach to Healthy Housing and community and economic development. It illustrates and explains some examples of Healthy Housing systems. It gives the principles that CMHC uses for Healthy Housing and Community development. It uses as examples: CMHC's Healthy House in Toronto; The Eagle Lake First Nation Northern Healthy House; The Roseau River First Nation Healthy House; The Mohawks of the Bay of Quinte R-2000 Homes; The Mohawk Community of Kahnawake proposed Healthy House and the community's long-term sustainable development planning strategy; The EcoNomad™ self-contained utilities unit.

Guy, Simon; Marvin, Simon; and Moss, Timothy, eds. **Urban Infrastructure in Transition: Networks, Buildings, Plans.** London; Sterling, VA: Earthscan Publication, c2001. Description x, 211 p. (HT169.E8 U69 2001)

Hill, Duncan. **Case Study of a Successful Innovative Multi-unit Residential Building: A Compendium of Research of the Conservation Co-op Building.** Ottawa: Research Division, Canada Mortgage and Housing Corporation, 2001. Description 1 v. (various pagings) (Ca1 MH110 01C17)

Summary In 1995, a multi-unit residential building, the Conservation Co-op, was constructed that embodied as many environmentally sound concepts and technologies as was possible within the confines of an extremely tight budget. The objective of the development team was to provide affordable housing with minimal environmental impact, enhanced durability and superior occupant health and comfort. After five full years of occupancy, CMHC initiated a review of the performance of the building, particularly with respect to energy and water consumption, indoor air quality and the operational experience with many of the "green" innovations included in the building. The review revealed that the enhanced insulation levels, high efficiency space and domestic hot water heating appliances, low E windows, and heat recovery ventilation were economically sound choices. It also illustrated the costs associated with continuous ventilation strategies and the need for more efficient fan-motor set technologies and distribution systems. Many of the "green" features met, or exceeded expectations while others failed altogether. Overall, the building is a successful project as it managed to incorporate many environmentally sound design and construction practices and its experiences are readily available to others considering similar projects. This compendium contains the research projects conducted to assess the performance of the Conservation Co-op and the degree to which the original goals of the project were met. The research reports contained herein document annual operating energy and water use, embodied energy, and water reclamation efforts. The compendium is prefaced with a summary paper that documents all of the innovative aspects of the building and provides an overview of the projects successes and where improvements could be made. Further information is also available on the CMHC web site www.cmhc-schl.gc.ca/research/highrise under the title Building Innovation.

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- Hockerton Housing Project. **The Sustainable Community: A Practical Guide.** Written by and based on experiences of the members of the Hockerton Housing Project. Southwell, Notts.: Hockerton Housing Project, 2001. Description 50 p. (NA2542.36 S874 2001)
- Hoiting, Harry ... et al. **Zon en architectuur : voorbeelden en ontwerprichtlijnen voor architecten = Sun and Architecture: Examples and Design Guidelines for Architects.** 2. Druk. Utrecht: Novem, 2001. Description 144 p. (NA2542.S6 Z66 2001)
- Imhoff, Dan. **Building with Vision: Optimizing and Finding Alternatives to Wood.** Wood Reduction Trilogy; v. 2. Writer, Dan Imhoff; editor, Ann Edminster. Healdsburg, Calif.: Watershed Media, c2001. Description 136 p. (TA403.6 I44 2001)
- International Energy Agency. **Toward a Sustainable Energy Future.** Paris: The Agency, 2001. Description 254 p. (ZZ ED120 01T57)
- Jefferson, Colin; Rowe, Janet; and Brebbia, C. A., eds. **The Sustainable Street: The Environmental, Human and Economic Aspects of Street Design and Management.** International Series on Advances in Architecture. Southampton; Boston: WIT Press, c2001. Description 262 p. (HE333 S87 2001)
- Kahnawake (Québec). Environment Office and the Housing Dept. **The Kanata 2000 Sustainable Housing Project, Kahnawake, Mohawk Territory.** Kahnawake, Quebec: Kahnawake Environment Office : Kahnawake Housing Dept., 2001. Description 1 videocassette (ca. 26 min.) (Audio Visual E98.D9 K26)
- Khan, Namir and Vanderburg, Willem H. **Healthy Cities: An Annotated Bibliography.** With the collaboration of Lynn Macfie ... et al. Lanham, Md.: Scarecrow Press, 2001. Description x, 217 p. (Reference Z7164.U7 K44 2001)
- Komp, Richard J. **Practical Photovoltaics: Electricity from Solar Cells.** 3rd ed. Rev. Ann Arbor: Aatec Publications, 2001. Description xvii, 197 p. (TK2960 K65 2001)
- Lafferty, William M., ed. **Sustainable Communities in Europe.** London; Sterling, VA: Earthscan, 2001. Description xxi, 314 p. (HC79.E5 S875 2001)
- Lalonde, Alain and Pride, Andrew. **Domestic Cold Water Booster Pump Control Monitoring Pilot Program = Le programme pilote de contrôle pour pompe relais à eau froide domestique.** Ottawa: Canada Mortgage and Housing Corporation = Société canadienne d'hypothèques et de logement, 2001. Description 1 computer laser optical disc = disque de l'ordinateur (CD-ROM Ca1 MH 01D51)

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Summary This pilot study, in partnership with the City of Toronto, Minto, and CMHC assessed the performance of two different booster pump control systems in 7 multi-unit residential buildings. Booster pump performance was measured in terms of electrical energy and water savings. The study assessed the impact of booster pump savings on buildings retrofitted with water efficient fixtures to ensure that only the technology application is measured without the influence of other concurrent changes. By utilizing 7 buildings with different characteristics, (size, # units, occupancy type), the work also attempted to define what type of building profile will most benefit from utilizing this control system. The final report findings indicate that greatest impact is felt with respect to energy savings. Water savings are best achieved through a leak detection and appliance retrofit program.

Résumé Cette étude pilote, réalisée en collaboration avec la ville de Toronto, Minto et la SCHL, a permis d'évaluer le rendement de deux dispositifs de commande pour pompe relais dans sept collectifs d'habitation. Le rendement des pompes relais était mesuré d'après les économies réalisées en termes de consommation d'énergie et d'eau. L'étude a évalué l'incidence de ces économies sur les immeubles munis de nouveaux accessoires de plomberie efficaces afin de vérifier que seulement l'application technologique est mesurée sans influence d'autres facteurs de changement concurrents. Par l'étude de sept immeubles possédant des caractéristiques différentes (taille, nombre de logements, type d'occupation), cette démarche a permis également de définir quelles sont les caractéristiques qui font qu'un immeuble va tirer le meilleur parti de ce type de systèmes de commande. Les constatations du rapport final indiquent que l'incidence la plus importante est ressentie relativement aux économies d'énergie. Les économies de consommation d'eau se réalisent mieux par la détection des fuites et un programme de mise à niveau des appareils.

Layard, Antonia; Davoudi, Simin; and Batty, Susan, eds. **Planning for a Sustainable Future**. London: Spon Press, 2001. Description xii, 325 p. (HC79.E5 P525 2001)

Long, Derek. **A Toolkit of Sustainability Indicators**. 2d ed. Liverpool: European Institute for Urban Affairs, Liverpool John Moores University, 2001. Description 94 p. (HD7288.77 L66 2001)

Maiellaro, Nicola, ed. **Towards Sustainable Building**. The GeoJournal Library; v. 61. Boston: Kluwer Academic Publishers, c2001. Description xv, 250 p. (NA2542.36 T68 2001)

Note: Contains the extended versions of selected papers presented at the first Mediterranean Conference "Sharing Knowledge on Sustainable Building" held at the Polytechnic of Bari in Dec. 1999.

Martin, Larry R. G. **Residential Greenways in Transition: Four Decades of Experience in Waterloo**. Ottawa: Canada Mortgage and Housing Corporation, 2001. Description 57 p. (Ca1 MH 01R23)

Summary This research describes Waterloo's Beechwood greenway system during its four decades of change in conjunction with municipal policies for urban

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residential development. It examines the types of greenway issues and conflicts that have occurred and reviews means for resolving them. It documents and assesses major stakeholders' satisfaction with greenway planning objectives and outcomes. Finally, it assesses the current and potential contributions of greenways in achieving measures of urban sustainability. This report makes Waterloo's experience available to other municipalities wanting to initiate greenway programs or wanting to improve the role of existing greenway programs within the planning mandate.

Moore, Suzi and Trulsson, Nora Burba. **Living Homes: Sustainable Architecture and Design**. San Francisco: Chronicle Books, c2001. Description 204 p. (NA2542.36 M66 2001)

OM Solar --The Orange Mode. Shizuoka, Japan: OM Environmental Planning, 2001. Description 68 p. (TH7414 O04 2001)

O'Meara, Molly. **City Limits: Putting the Brakes on Sprawl**. Worldwatch Paper; 156. Washington, D.C.: Worldwatch Institute, c2001. Description 85 p. (HT371 O44 2001)

Contents Introduction -- How motor vehicles take over cities -- The costs of sprawl -- Three cities that chose livability over sprawl -- Linking transportation and land use policies -- Erasing the incentives to sprawl -- Restructuring government institutions -- Creating constituencies for change -- Appendix -- Notes

Phillips, Dan. **Une maison saine & naturelle : énergies, matériaux, décoration**. Paris : Dessain et Tolra, c2001. Description 192 p. (NA7117.5 P4713 2001)

Pierce, John T. and Dale, Ann, eds. **Communities, Development, and Sustainability Across Canada**. Vancouver: UBC Press, c1999. Description xvi, 302 p. Electronic reproduction. Boulder, Colo.: NetLibrary, 2001. (Electronic File NetLibrary)

Québec (Province). **L'Habitat au Québec : rapport du Québec 1996-2001** présenté à l'occasion de la session extraordinaire de l'Assemblée générale des Nations Unies consacrée à l'examen et à l'évaluation d'ensemble de la mise en oeuvre du Programme pour l'habitat (Istanbul + 5). Québec : Société d'habitation du Québec : Ministère des relations internationales, 2001. Description 80 p. (Ca2 PQ AM200 01H16)

Quebec (Province). **Habitat in Québec**. A report by Québec for the period 1996-2001, presented at the Special Session of the United Nations General Assembly for an overall review and appraisal of the implementation of the Habitat Agenda (Istanbul + 5). Québec: Société d'habitation du Québec; Ministère des relations internationales, 2001. Description 80 p. (Ca2 PQ AM200 01H16e)

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Riley, Dohn and McLaughlin, Mark. **Turning the Corner: Energy Solutions for the 21st Century.** Tahoe City, CA: Alternative Energy Institute, Inc., c2001. Description viii, 385 p. (TJ808 R54 2001)

Rocky Mountain Institute. **Green Developments.** Version 2.0. Snowmass, Colo.: The Institute, 2001. Description 1 computer laser optical disk (System requirements: Microsoft windows 98/NT/ME/2000 or Apple MacOS 8.1 or later; Pentium or PowerPC processor (300 MHz or faster recommended); CD-ROM drive (4x or faster); 48 MB free RAM; Monitor set to display at least High Color/Thousands of Colors.) (CD-ROM HD255 G73 2001)

Santamouris, Matheos, ed. **Energy and Climate in the Urban Built Environment.** London: James & James, c2001. Description viii, 402 p. + 1 computer optical disc (4¾ in.) (NA2542.35 E54 2001)

Scheer, Hermann. **A Solar Manifesto.** 2nd ed. London: James & James, 2001. Description vi, 258 p. (TJ810 S33 2001)

Sheltair Group, Société Logique Inc., Paul Kernan. **Healthy High-Rise: A Guide to Innovation in the Design and Construction of High-Rise Residential Buildings.** Ottawa: Canada Mortgage and Housing Corporation, c2001. Description i, 126, 6 p. (Ca1 MH 01H23)

Summary This document is designed to reflect the innovation that can lead to the design and construction of better performing buildings. It provides: -- an overview of many of the problems affecting high-rise buildings which result from conventional practices; -- insight into an improved understanding of the building science principles; and -- design considerations for improved building performance in a variety of areas. The document is intended to present alternative ways of thinking about design principles for high-rise buildings, to provide some different approaches to design and construction, commissioning and operations and maintenance. In many cases, it presents the need for a more holistic and integrated approach to the design and construction of a high-rise residential building. Issues related to retrofit opportunities and regional differences are also discussed when they apply. Opportunities are also discussed for improving the integration of high-rise residential buildings with the surrounding urban infrastructure, including on-site systems for energy and water supply, transportation and waste management. Finally each section includes "Sources of Information" to recent research and development studies. The guide is designed for architects and other building design professionals.

Sheltair Group; Société Logique Inc.; et Paul Kernan. **Tours d'habitation saines : guide de conception des tours d'habitation saines.** Ottawa : Société canadienne d'hypothèques et de logement, c2001. Description i, 143, 6 p. (Ca1 MH 01H23f)

Résumé Le présent document propose des innovations susceptibles de mener à la conception et à la construction de bâtiments performants. Le guide : -- aborde de nombreux problèmes des tours d'habitation découlant des pratiques

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traditionnelles; -- permet de mieux comprendre les principes fondamentaux de la science du bâtiment; et -- présente des critères de conception pouvant améliorer le rendement des bâtiments dans différents domaines. Le document présente d'autres façons d'aborder les principes de conception des tours d'habitation ainsi que différentes méthodes de conception, de construction, de mise en service, d'exploitation et d'entretien. Dans bien des cas, le document souligne l'absence de méthodes globales et intégrées pour la conception et la construction des tours d'habitation. Les enjeux relatifs aux occasions de rattrapage et aux différences régionales sont aussi traités, le cas échéant. On aborde également la question d'une meilleure intégration des tours d'habitation au tissu urbain. On parlera notamment des installations sur place d'alimentation en eau et en énergie, des moyens de transport et de la gestion des déchets. Enfin, chaque section contient des références portant sur des études et des recherches récentes. Le guide sera destiné aux architectes et à d'autres professionnels de la conception en bâtiment.

Shorrock, L. D. ... et al. **Carbon Emission Reductions from Energy Efficiency Improvements to the UK Housing Stock**. London: BRE Bookshop by permission of Building Research Establishment, 2001. Description vi, 51, 14 p. (UK1 EN90 01C12)

Sikora, Jeannie Leggett. **EnergyValue Housing Award Guide: How to Build and Profit with Energy Efficiency in New Home Construction**. Upper Marlboro, Md.: NAHB Research Center, 2001? Description iv, 83 p. (TJ163.5.D86 S54)

Singh, R. B., ed. **Urban Sustainability in the Context of Global Change: Towards Promoting Healthy and Green Cities**. Enfield, N.H.: Science Publishers, c2001. Description x, 282 p. (HT241 U728 2001)

Société canadienne d'hypothèques et de logement. **Lors de votre prochain déménagement : choisissez un quartier comportant des caractéristiques durables**. Ottawa : La Société, 2001. Description 8 p.

Société canadienne d'hypothèques et de logement. Division de la recherche. **Analyse de la consommation annuelle d'eau et d'énergie des immeubles d'appartements faisant partie de la base de données HiSTAR de la SCHL**. Le Point en recherche. Série technique ; 01-142. Ottawa : La Division, 2001. Description 4 p. (Ca1 MH116 01H142f)

_____. **Charette de conception pour Southeast False Creek : explorer l'aménagement urbain durable et à haute densité**. Le Point en recherche. Série socio-économique no 81. Ottawa : Division de la recherche, Société canadienne d'hypothèques et de logement, 2001. Description 8 p. (Ca1 MH113 01H81f)

_____. **Consommation d'énergie dans les maisons hors réseau.** Le Point en recherche. Série technique ; 01-103. Ottawa : Division de la recherche, Société canadienne d'hypothèques et de logement, 2001. Description 23 p. (Ca1 MH116 01H103f)

Résumé Dans la foulée des mesures visant à réduire les gaz à effet de serre, un entrepreneur a fait enquête auprès de 12 ménages canadiens dont la maison est indépendante du réseau d'électricité depuis au moins deux ans, en mettant l'accent sur les sources d'énergie renouvelable, comme l'énergie solaire, l'énergie éolienne, les microcentrales et les minicentrales hydroélectriques. L'entrepreneur a fait le compte rendu de la consommation d'énergie et des styles de vie permettant de respecter les limites d'une production électrique hors réseau. L'objectif était de fournir des exemples de pratiques pouvant s'appliquer aux logements ordinaires. Le travail sur le terrain est terminé et le rapport est maintenant diffusé, sur le site Web de la SCHL, sous forme d'un numéro du Point en recherche. L'étude n'a pas permis de constater les mesures d'économies d'énergie constantes qui seraient particulièrement adaptées aux maisons ordinaires. Toutefois, le rapport est utile pour illustrer une variété de méthodes utilisées dans les maisons hors réseau et la variété d'études de consommation d'énergie dans le domaine du logement.

_____. **Développement de collectivités durables : élaboration du rôle du gouvernement fédéral pour le 21^e siècle.** Le Point en recherche. Série socio-économique no 74. Ottawa : Division de la recherche, Société canadienne d'hypothèques et de logement, 2001. Description 8 p. (Ca1 MH113 01H74f)

_____. **EcoPerth : une petite collectivité rurale réagit contre le changement climatique.** Le Point en recherche. Série socio-économique no 82. Ottawa : Division de la recherche, Société canadienne d'hypothèques et de logement, 2001. Description 6 p. (Ca1 MH113 01H82f)

Résumé: En diffusant l'expérience de la collectivité de Perth (Ontario), ce projet démontre comment une petite ville rurale peut répondre aux problèmes posés par les changements climatiques. On y décrit la planification et la mise en place de nombreuses initiatives d'EcoPerth, un projet communautaire. Les initiatives entrent dans quatre catégories : l'équipe verte (plantation d'arbres, retour à l'état naturel d'un terrain et promotion d'aliments locaux), l'équipe bâtiment (réduction de l'énergie consommée à la maison au travail et dans les loisirs), l'équipe transport (mode de transport novateur pour les simples allées et venues) et l'équipe communication (prise de parole et passage de la sensibilisation à l'action).

_____. **Pilote de contrôle pour pompe relais à eau froide domestique.** Le Point en recherche. Série technique ; 01-108. Ottawa : Société canadienne d'hypothèques et de logement, Division de la recherche, 2001. Description 4 p. (Ca1 MH116 01H108f)

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_____. **Le Projet headwaters : plan conceptuel du quartier d'East Clayton. Le point en recherche et développement.** Série socio-économique no 78. Ottawa : Division de la recherche, Société canadienne d'hypothèques et de logement, 2001. Description 8 p. (Ca1 MH113 01H78f)

Résumé: Le projet Headwaters vise à démontrer les principes et les normes de rendement en matière de développement durable dans la communauté de East Clayton, Surrey (C.-B.). Il s'agit d'en arriver à un modèle reproductible qui pourrait servir à aménager davantage de collectivités durables dans l'ensemble de la vallée du bas Fraser de la C.-B. et éventuellement au-delà. Ce numéro du Point en recherche décrit le plan conceptuel du quartier (PCQ) et le processus de planification. On y examine également certains des avantages environnementaux que devrait apporter le PCQ, notamment sur les émissions de gaz à effet de serre provenant du transport urbain, sur l'incidence sur les cours d'eau et l'hydrologie de la région et sur le plan des coûts d'infrastructure, de terrain et de construction.

_____. **Le protocole d'évaluation environnementale BREEAM Green Leaf pour les immeubles collectifs.** Le Point en recherche. Série technique ; 01-119. Ottawa : Division de la recherche, Société canadienne d'hypothèques et de logement, 2001. Description 6 p. (Ca1 MH116 01H119f)

_____. **Viabilisation collective pour les habitations communautaires en milieu rural : une solution écologique pour l'habitat rural.** Le Point en recherche. Série technique ; 01-135. Ottawa : Division de la recherche, Société canadienne d'hypothèques et de logement, 2001. Description 4 p. (Ca1 MH116 01H135f)

Sustainable Cities Programme. **Sustainable Cities Programme, 1990-2000: A Decade of United Nations Support for Broad-Based Participatory Management of Urban Development.** Nairobi: United Nations Human Settlements Programme: United Nations Environment Programme, c2001. Description 47 p. (UN2 C75 01S71)

Swedish National Committee on Agenda 21 and Habitat. **Swedish National Report to the United Nations General Assembly Special Session on the Review and Appraisal of the Habitat Agenda, June 6-8, 2001.** Stockholm; New York: The Committee, 2001. Description 69 p. (SW1 EM50 01S85)

Thomas, Randall, ed. **Photovoltaics and Architecture.** New York: Spon Press, 2001. Description xi, 155 p. (TK1087 P483 2001)

Urban Ecology Design Collaborative; Chesterman Property Group Inc.; and Wave Design + Media Inc. **Ardencraig: Documentation of a Vancouver Triplex and Infill Project with Sustainability Features.** Produced for Canada Mortgage and Housing Corporation, External Research Program. Ottawa: The Corporation, 2001. Description 61 p. (Ca1 MH 01A62)

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Summary Arden Craig is a heritage-style redevelopment project, that was completed in September 2000 by Chesterman Property Group Inc. in Vancouver. Chesterman converted an existing single family residence built in 1910 into four strata-titled townhouse units; three in the converted home and a new coach house in-fill residence on the rear yard. The property is located at 355 West 11th Avenue in the City Hall area of Vancouver. The vision was to identify and prioritize a wide range of resource conservation, energy conservation and healthy building measures for inclusion in the project. These are design and construction methods that will minimize the impact of the project on the environment, and are generally referred to as "green building" or "sustainable building" approaches. The project is a market experiment and an example of producing high-quality housing through remodeling and infill (adding floor space to an existing property) in an environmentally sustainable way. This report describes the story of Arden Craig from concept to completion, and details many of the specific decisions made about sustainability features. It also reports on a small market survey done during the marketing and post sales stages of the project.

Utley, J. L.; Shorrocks, L. D.; and Brown, J. H. F. **Domestic Energy Fact File: England, Scotland, Wales and Northern Ireland.** Garston, Watford: Construction Research Communications for Building Research Establishment, 2001. Description xvi, 84 p. (UK1 EN90 01D52)

Van der Waals, Jochem. **CO₂-Reduction in Housing: Experiences in Building and Urban Environment Projects in the Netherlands.** Amsterdam: Rozenberg, c2001. Description 285 p. (TJ163.5.D86 V36 2001)

Veritec Consulting Inc. et Minto Developments Inc. **Le Programme pilote de contrôle pour pompe relais à eau froide domestique : rapport final.** S.l.: Veritec Consulting Inc., 2001. Description 75 feuilles (TD388.5 D6513 2001)

Wrench, Tony. **Building a Low Impact Roundhouse.** East Moen, Hampshire, England: Permanent Publications; White River Junction, VT: US distributors, Chelsea Green Publishing Co., 2001, c2000. Description 104, 5 p. (TH4840 W74 2001)

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American Council for an Energy-Efficient Economy. **2000 ACEEE Summer Study on Energy Efficiency in Buildings: Proceedings.** Washington, D.C.: American Council for an Energy-Efficient Economy, c2000. Description 10 v. (TJ163.5.B84 A02 2000)

Contents 1. Residential buildings : technologies, design, and performance analysis --3. Commercial buildings : technologies, design, and performance analysis --4. Commercial buildings : program design, implementation, and evaluation --5. Deregulation of the utility industry and role of energy services companies (ESCOs) --6. Market transformation --7. Information and electronic technologies --8. Consumer behavior and non-energy effects --9. Energy and environmental policy --10. Building industry trends --Index. Subject and author index.

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- Anderson, Jane and Howard, Nigel. **The Green Guide to Housing Specification: An Environmental Profiling System for Building Materials and Components.** Building Research Establishment Report; BR 390. Garston, Watford: BRE Bookshop by permission of Building Research Establishment Ltd., 2000. Description vi, 40 p. (UK I EN90 00G63)
- Bailly, Antoine S. ... et al. **Socially Sustainable Cities: Principles and Practices.** London: Economica; Washington, DC: Dist. by Brookings Institution Press, 2000. Description ix, 162 p. (HT151 S64 2000)
- Barton, Hugh, ed. with Gilchrist, Alison ... et al. **Sustainable Communities: The Potential for Eco-neighbourhoods.** London: Earthscan, c2000. Description xix, 305 p. (HT241 S88 2000)
- Beatley, Timothy. **Green Urbanism: Learning from European Cities.** Washington, DC: Island Press, c2000. Description xv, 491 p. (HT243.E85 B437 2000)
- Behling, Sophia and Behling, Stefan in collaboration with Bruno Schindler. **Solar Power: The Evolution of Sustainable Architecture.** New York, NY: Prestel, 2000. Description 240 p. (NA2542.S6 B432 2000)
- Berge, Bjørn. **The Ecology of Building Materials.** Translated by Filip Henley, with Howard Liddell. Oxford; Boston: Architectural Press, c2000. Description xix, 453 p. (TA403.6 B456612 2000)
- Boonstra, Chiel; Rovers, Ronald; and Pauwels, Susanne, eds. **Proceedings, International Conference Sustainable Building 2000, 22-25 October 2000, Maastricht, The Netherlands.** Netherlands: Aeneas, c2000. Description 757 p. (NA2542.36 I58 2000)
- Brooks, Connie. **Power Where You Need It: The Promise of Photovoltaics.** Albuquerque, N.M.: Sandia National Laboratories, Photovoltaic Systems Assistance Center, 2000. Description 50 p. (TK1087 B76 2000)
- Busby, Peter, ed. **Sustainable Design Fundamentals for Buildings: SDCB 101, Sustainable Design for Canadian Buildings.** 2001 ed. Toronto: Architectural Institute of British Columbia ... et al. in association with the Royal Architectural Institute of Canada, 2001. Description I v. (various pagings) (TH880 S98 2001)
- Campbell-Howe, R., ed. **Proceedings of the Solar 2000 Conference: Including Proceedings of the ASES Annual Conference, Proceedings of the 25th National Passive Solar Conference, Madison, Wisconsin, June 16-21, 2000.** Boulder, Colo.: American Solar Energy Society, c2000. Description xiv, 798 p. (TJ810 A43 2000)

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Canada. **The Contribution of Earth Sciences to Sustainable Land and Resource Management = Contribution des sciences de la terre à la gestion durable des ressources et des terres.** Sustainable Development in Canada Monograph Series; monograph no. 12 = Collection monographies sur le développement durable au Canada monographie no 12. Ottawa: Government of = Gouvernement du Canada, 2000. Description vi, 20, 20, vi p. (CaI EP4 00N12)

Note: "A Canadian contribution to the land use dialogue at the eighth session of the United Nations Commission on Sustainable Development, April 24 to May 5, 2000". "Une contribution canadienne au dialogue sur l'utilisation des terres qui se tiendra durant la huitième session de la Commission du développement durable des Nations Unies, du 24 avril au 5 mai 2000".

Canada. **Learning from Nature: Canada --The Ecosystem Approach and Integrated Land Management = Leçons de la nature : l'approche écosystémique et la gestion intégrée des terres au Canada.** Sustainable Development in Canada Monograph Series; monograph no. 13 = Collection monographies sur le développement durable au Canada monographie no 13. Ottawa: Government of = Gouvernement du Canada, 2000. Description vi, 34, 34, vi p. (CaI EP4 00N13)

Note: "A Canadian contribution to the land use dialogue at the eighth session of the United Nations Commission on Sustainable Development, April 24 to May 5, 2000". "Une contribution canadienne au dialogue sur l'utilisation des terres qui se tiendra durant la huitième session de la Commission du développement durable des Nations Unies, du 24 avril au 5 mai 2000".

Canada. Natural Resources Canada. **Solar Water Heating Systems: A Buyer's Guide.** Prepared with the assistance of Michael Noble. Ottawa: Natural Resources Canada, c2000. Description 19 p. (CaI MS 00S58)

Canada. Office de l'efficacité énergétique. **Emprisonnons la chaleur.** Éd. rév. Ottawa : Ressources naturelles Canada, Office de l'efficacité énergétique, c2000. (CaI MS300 00K23f)

Canada. Office of Energy Efficiency. **Keeping the Heat In.** Rev. Ed. Ottawa: Natural Resources Canada, Office of Energy Efficiency c2000. (CaI MS300 00K23)

Canada. Office of Energy Efficiency = Canada. Office de l'efficacité énergétique. **1995 Home Energy Retrofit Survey: Statistical Report.** National Energy Use Database = **Enquête sur l'amélioration éconergétique résidentielle 1995 : rapport statistique.** La base de données nationale sur la consommation d'énergie. Ottawa: Natural Resources Canada, Office of Energy Efficiency = Ressources naturelles Canada, Office de l'efficacité énergétique, 2000. Description ix, 48, 27, 27, 49, ix p. (CaI MS300 00N33)

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Canada. Office of Energy Efficiency = Canada. Office de l'efficacité énergétique. **1997 Survey of Household Energy Use: Summary Report = Enquête 1997 sur l'utilisation de l'énergie par les ménages : rapport sommaire.** Ottawa: Natural Resources Canada, Office of Energy Efficiency = Ressources naturelles Canada, Office de l'efficacité énergétique, c2000. Description viii, 40, 3, 3, 40, viii p. (CaI MS300 00N35)

Canada. Public Works and Government Services Canada. **The Environmentally Responsible Construction and Renovation Handbook.** 2nd ed. Gatineau, Québec: Public Works and Government Services Canada, 2000. Description 1 v. (various pagings) (CaI PW 00E56)

Canada. Ressources naturelles. **Les chauffe-eau solaires : guide de l'acheteur.** Préparé pour Ressources naturelles Canada avec l'aide de Michael Noble. Ottawa : Ressources naturelles Canada, c2000. Description 19 p. (CaI MS 00S58f)

Canada Mortgage and Housing Corporation. **Before You Start an Energy Efficient Retrofit --Mechanical systems.** About Your House; CE 28i. Ottawa: The Corporation, c2000. Description 6 p. (CaI MH7 00P28i)

_____. **Before You Start an Energy Efficient Retrofit --The Building Envelope.** About Your House; CE 28j. Ottawa: Canada Mortgage and Housing Corporation, c2000. Description 6 p. (CaI MH7 00P28j)

_____. **Eagle Lake Healthy House.** About Your House. North series; 5. Ottawa: Canada Mortgage and Housing Corporation, c2000. Description 8 p. (CaI MH7.1 00N05)

_____. **Practices for Sustainable Communities.** Ottawa: Canada Mortgage and Housing Corporation, c2000. Description iv, 176 p. + CD-ROM (CaI MH 00P67)

Note: "Based on an original report prepared for CMHC by: Catherine Fletcher Marsden, Janet Smolders and Sonny Tomich of Dillon Consulting Limited".

Summary "Practices for Sustainable Communities" presents: --A framework to identify and organize the practices -- the tools, strategies and activities -- that lead to greater sustainability; and --Examples of sustainable community development practices. This book makes the idea of sustainable development a practical reality. It is a Canadian view of the challenges of sustainability, with made in Canada case studies and solutions. Included with the publication is SCIP, the Sustainable Community Indicators Program, developed by CMHC and Environment Canada. SCIP helps communities measure their progress in building and living sustainably. Communities can create a locale vision of sustainability and measure and monitor their progress in making that vision a reality.

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Canada Mortgage and Housing Corporation. British Columbia and Yukon Business Centre. **Home 2000: Building Your Home for Life: An Affordable, Healthy Home that Adapts to Your Changing Lifestyle.** Vancouver: The Centre, 2000. 27 p. (CaI MH690 00H57)

Canada Mortgage and Housing Corporation. Research Division. **Compendium of Research on the Conservation Co-op Building.** Research Highlights. Technical Series; 00-140. Ottawa: The Division, Canada Mortgage and Housing Corporation, 2000. Description 5 p. (CaI MH116 00H140)

_____. **Corridor Air Ventilation System Energy Use in Multi-unit Residential Buildings.** Research Highlights. Technical Series; 00-104. Ottawa: Research Division, Canada Mortgage and Housing Corporation, 2000. Description 4 p. (CaI MH116 00H104)

_____. **The Renovation of an Apartment Building with Solid Masonry Walls.** Research Highlights. Technical Series; 00-134. Ottawa: Research Division, Canada Mortgage and Housing Corporation, 2000. Description 4 p. (CaI MH116 00H134)

_____. **Review of OHC Building Energy and Water Audits.** Research Highlights. Technical Series; 00-110. Ottawa: Research Division, Canada Mortgage and Housing Corporation, 2000. Description 4 p. (CaI MH116 00H110)

Chiras, Daniel D. **The Natural House: A Complete Guide to Healthy, Energy-Efficient, Environmental Homes.** White River Junction, Vt.: Chelsea Green Pub., c2000. Description x, 468 p. (TH4815 C485 2000)

Corbett, Judy and Corbett, Michael N. **Designing Sustainable Communities: Learning from Village Homes.** Washington, D.C.: Island Press, 2000. Description xv, 235 p. (HT169.55 C67 2000)

Daigle, Jean-Marc and Havinga, Donna J. **Residential Landscapes: Comparison of Maintenance Costs, Time and Resources.** Prepared by Ecological Outlook for Canada Mortgage and Housing Corporation. Ottawa: The Corporation, 2000. Description ix, xii, 91, [19] p. (CaI MH 00R24)

Summary Many homeowners have in recent years become increasingly aware of the potential impacts landscape maintenance can have on the environment. Consequently, many are now looking for ways to maintain attractive and functional residential landscapes while reducing the potential for landscape options. However, assertions about the time and cost savings and environmental benefits of the low-maintenance alternatives have not been substantiated with observed data collected from Canadian homes. The purpose of this report is to begin the process of filling the gap, by comparing various cost, material and time inputs associated with the maintenance of seven residential landscape types, both conventional and

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alternative. As well, the report includes an overview of the potential environmental impacts and benefits related to these seven landscape types and their maintenance. Conventional landscape types reviewed in this study include: conventional lawns; ornamental trees and shrubs; and ornamental flowerbeds. Alternative landscapes in this study include: xeriscapes; woodland shade gardens; wildflower meadows; and low-maintenance lawns.

Earth Pledge Foundation. **Sustainable Architecture White Papers**. Earth Pledge Foundation Series on Sustainable Development. New York: The Foundation, 2000. Description xii, 324 p. (NA2542.36 S87 2000)

Edwards, Brian and Turrent, David, eds. **Sustainable Housing: Principles & Practice**. London; New York: E & FN Spon, 2000. Description x, 144 p. (HD7333.A3 S98 2000)

Edwards, Geoffrey J.; Macrae, K. Morgan; and Schorr, Stacey. **Overcoming Barriers to Implementation of District Energy Projects**. CERl Study no. 95. Calgary, Alta.: Canadian Energy Research Institute, c2000. Description 2 v. (HD9502.A2 E39 2000)

Elizabeth, Lynne and Adams, Cassandra, eds. **Alternative Construction: Contemporary Natural Building Methods**. New York: Wiley, 2000. Description xxiii, 392 p. (TH146 A48 2000)

Franklin Associates. **Plastics Energy and Greenhouse Gas Savings Using Housewrap Applied to the Exterior of Single Family Residential Housing in the U.S. and Canada: A Case Study: Final Report**. Prepared for American Plastics Council and Environment and Plastics Industry Council of the Canadian Plastics Industry Association. Arlington, Va.: American Plastics Council, 2000. Description iv, 23 leaves (TH1719 P6 2000)

Gerbasi, Dino. **The Energy Performance of the NOVTEC Advanced House**. Thesis (M.A.Sc.) --Concordia University, 2000. Ann Arbor, MI: UMI Dissertation Services, 2007. Description x, 106, 4, 8 p. (TJ163.5.D86 G46 2000)

Hall, Peter Geoffrey and Pfeiffer, Ulrich. **Urban Future 21: A Global Agenda for Twenty-first Century Cities**. London; New York: E & FN Spon, 2000. Description xvi, 363 p. (HT151 H27 2000)

Hastings, S. Robert and Mørck, Ove, eds. **Solar Air Systems: A Design Handbook**. London: James & James, c2000. Description v, 286 p. (TH7413 S59 2000)

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Holland, Mark et Crofton, Fiona S. **Charrette de conception pour le secteur Southeast False Creek : explorant un développement urbain durable et de haute densité : rapport final.** Série sur la maison et les collectivités saines. Préparé pour la Société canadienne d'hypothèques et de logement. Dianne Perrier, éditeur. Ottawa : La Société, c2000. Description xiv, 114 p. (CaI MH 00S52f)

Résumé Le projet de planification durable pour le quartier Southeast False Creek (SEFC) constitue une initiative visant à redévelopper environ 32 hectares de terrain industriel sur le front d'eau de False Creek, dans le centre-ville de Vancouver, un quartier résidentiel pouvant accueillir de 8 000 à 10 000 personnes. Le SEFC est conçu conformément aux principes de développement durable en tenant compte de l'échelle, de l'emplacement, du contexte, des possibilités et des contraintes du site. Ce rapport présente le sommaire des résultats d'une charrette de conception, qui a été en partie financée par la SCHL en partenariat avec la ville de Vancouver, et qui s'est déroulée en octobre 1998 dans le but d'explorer les incidences des directives de développement durables et d'autres politiques de développement proposées pour le projet SEFC, surtout en ce qui concerne le développement d'environ 19 hectares de terrain détenu par la ville à l'intérieur du secteur étudié. Un des principes de base de la planification du projet SEFC prévoit que ce modèle devrait pouvoir être appliqué à tout projet de développement urbain de haute densité. Ce rapport comprend un bref histoire de l'élaboration des directives, les raisons de la tenue d'une charrette, un synopsis des recherches de la SCHL qui ont été utilisés et une critique de l'efficacité et de la valeur de la charrette. Le rapport comprend aussi des dessins de conception de la zone à aménager que la ville a commandés avant et après la charrette, les dessins réalisés pendant la charrette même et des recommandations concernant la tenue de charrette dans d'autres collectivités.

Holland, Mark and Crofton, Fiona S. **Southeast False Creek Design Charrette: Exploring High Density, Sustainable Urban Development: Final Report.** Healthy Housing and Communities Series. Dianne Perrier, editor. Ottawa: Canada Mortgage and Housing Corporation, c2000. Description xiv, 103 p. (CaI MH 00S52)

Summary The Southeast False Creek (SEFC) sustainable neighbourhood planning project is an initiative to redevelop approximately 32 hectares (79 acres) of industrial land on the False Creek waterfront, in the downtown of Vancouver, as a residential neighbourhood for between 8,000 and 10,000 people. SEFC is being designed to embody the principles of sustainable development in a manner appropriate to the scale, location, context, opportunities and constraints of the site. This report summarizes the results of a design charrette partially funded by CMHC, in partnership with the City of Vancouver, held in October 1998, to explore the implications of sustainable guidelines and separate policies proposed for the SEFC, particularly about 19 hectares (47 acres) of city-owned land within the 32 hectare study area. A core principle in the planning of the SEFC is that it should be a transferable model of high-density sustainable urban development. This report includes a brief history of the guideline development, the reasons for holding a charrette, a synopsis of CMHC research that was used, a critique of the

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effectiveness and value of the charrette. The report also includes drawings done at the charrette itself.

Honachefsky, William B. **Ecologically Based Municipal Land Use Planning**. Boca Raton, Fla.: Lewis Publishers, c2000. Description 256 p. (HT167 H67 2000)

IBI Group. **Émissions de gaz à effet de serre attribuables aux déplacements urbains : outil d'évaluation de la durabilité des quartiers**. Série sur la maison et les collectivités saines. Préparé pour la Société canadienne d'hypothèques et de logement et Ressources naturelles Canada. Ottawa : La Société, 2000. Description xi, 56, 10 p. + CD-ROM (CaI MH 00G63f)

Résumé Cette étude a pour objet d'élaborer un outil pour calculer les émissions de gaz à effet de serre attribuables aux déplacements urbains des personnes (voitures et transport en commun) en tenant compte des variables touchant l'aménagement des quartiers, variables de configuration, comme la densité et l'utilisation du sol, et des variables touchant la démographie et l'emplacement. Le rapport de recherche comprend un outil logiciel pouvant servir à évaluer les propositions d'aménagement des quartiers du point de vue de l'émission des gaz à effet de serre attribuables aux déplacements urbains. Dans l'étude, le logiciel permet de comparer les émissions produites par neuf configurations hypothétiques de quartiers, chacune comportant des caractéristiques de conception et des variables d'emplacement différentes. Selon les résultats de l'évaluation des neuf scénarios, il semble que la macrostructure urbaine est soit plus importante que la "micro"-configuration du quartier pour réduire les émissions de gaz à effet de serre résultant des déplacements en voiture et en transport en commun par les résidents des quartiers. Cela signifie que l'aménagement intercalaire est plus efficace que l'aménagement sur un terrain en friche pour modérer la croissance des émissions des gaz, même si, dans ce dernier cas, il s'agirait d'une conception non traditionnelle plutôt que d'une configuration typique de banlieue. Toutefois, la conception du quartier est également un facteur déterminant des émissions de gaz à effet de serre et, à ce titre, peut contribuer à améliorer la durabilité des quartiers dans les secteurs périphériques des zones urbaines. La feuille de calcul produite dans le cadre de cette étude offre aux urbanistes et aux promoteurs un instrument utile pour comparer les émissions de gaz à effet de serre selon différents scénarios urbains. On peut en effet comparer les répercussions, tant à l'échelle locale qu'à plus grande échelle, de la construction intercalaire comparativement à l'aménagement sur un terrain en friche.

IBI Group. **Greenhouse Gas Emissions From Urban Travel: Tool for Evaluating Neighbourhood Sustainability**. Healthy Housing and Communities Series. Prepared for Canada Mortgage and Housing Corporation and Natural Resources Canada. Ottawa: The Corporation, 2000. Description ix, 51, 9 p. + CD-ROM (CaI MH 00G63)

Summary The purpose of this study is to develop a tool that calculates greenhouse gas (GHG) emissions from personal urban transportation (i.e. cars and public transit) given variations in neighbourhood planning and design variables such

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as density and land use mix, as well as demographic and locational variables. The research report includes a software tool that can be used to evaluate neighbourhood development proposals for GHG emissions from urban travel. In the study, the software is used to compare the GHGs from urban travel to nine neighbourhood scenarios, each with different design features and locational variables. The results of the evaluation of the nine neighbourhood scenarios using the model developed in this study suggest that the "macro" urban structure is more important than the "micro" neighbourhood design in reducing GHG emissions from auto and transit travel by neighbourhood residents. That is, infill development is more effective than greenfield development in moderating the growth of GHG emissions, even if the new greenfield neighbourhood is neo-traditional rather than typical suburban in design. However, neighbourhood design is also a significant determinant of GHG emissions and can go a long way in improving the sustainability of neighbourhoods in the outer regions of urban areas. The spreadsheet tool produced by this study provides a useful instrument for planners and developers in comparing the GHG emissions of different neighbourhood scenarios. It enables them to compare the implications of both local neighbourhood design and the broader-scale urban structure considerations of infill versus greenfield development.

Jenks, Michael and Burgess, Rod, eds. **Compact Cities: Sustainable Urban Forms for Developing Countries.** London; New York: E. & F.N. Spon, c2000. Description xi, 356 p. (HT169.5.C64 2000)

Johnston, David Robert. **Building Green in a Black and White World: A Guide to Selling the Homes your Customers Want.** Washington, D.C.: Home Builder Press, c2000. Description xvi, 176 p. (TH4812 J64 2000)

Karg, Rick and Krigger, John T. **Specification of Energy-Efficient Installation and Maintenance Practices for Residential HVAC Systems.** Boston, Mass.: Consortium for Energy Efficiency, 2000. Description 62 p. (TH7015 K27 2000)

Littlefair, P. J. ... et al. **Environmental Site Layout Planning: Solar Access, Microclimate and Passive Cooling in Urban Areas.** London: Construction Research Ltd. by permission of Building Research Establishment Ltd., 2000. Description viii, 151 p. (UK1 EN90 00E57)

Marbek Resource Consultants Ltd. and SGA Consulting. **Stand-Alone Wind Energy Systems: A Buyer's Guide.** Prepared for the Renewable and Electrical Energy Division. Ottawa: Natural Resources Canada, c2000. Description 47 p. (Ca1 MT265 00S71)

Marbek Resource Consultants Ltd. et SGA Consulting. **Les systèmes éoliens autonomes : guide de l'acheteur.** Rédigé à l'intention de la Division de l'énergie renouvelable et électrique. Ottawa : Ressources naturelles Canada, c2000. Description 53 p. (Ca1 MT265 00S71f)

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Mendler, Sandra and Odell, William. **The HOK Guidebook to Sustainable Design.** New York: Wiley, c2000. Description xvii, 412 p. (NA2542.35 M445 2000)

Nationaal Dubo Centrum. **Duurzaam bouwen : een kwestie van willen en weten.** Rotterdam: Nationaal Dubo Centrum, 2000. Description 124 p. (NA2542.36 D87 2000)

Note Text in Dutch. Translated into English under the title : Sustainable Building: Frameworks for the Future.

_____. **Sustainable Building: Frameworks for the Future.** Rotterdam: Nationaal Dubo Centrum, 2000. Description 116 p. (NA2542.36 D8712 2000)

Newman, John. **Energy Labels & Standards.** Energy Efficiency Policy Profiles Series. Paris: International Energy Agency, c2000. Description 195 p. (ZZ ED120 00E54)

Nikken Sekkei, Kabushiki Kaisha. **Sustainable Architecture in Japan: The Green Buildings of Nikken Sekkei.** Introduction by Eiji Maki and William A. McDonough; edited by Anna Ray-Jones. Chichester, West Sussex; New York: Wiley-Academy, 2000. Description 190 p. (NA1559.N56 A4 2000)

Nova Scotia Home Builders' Association. **F.I.R.S.T. House for the Millenium: Final Project Report.** Affordability and Choice Today Program. Halifax: The Association, 2000? Description 1 v. (loose-leaf) (TH4860 F05)

Pearson, David. **The Gaia Natural House Book: Creating a Healthy and Ecologically Sound Home.** Rev. Ed. London: Gaia, 2000. Description 304 p. (TH6057.A6 P4 2000)

Peck, Steven W. ... et al. **Implementing Sustainable Community Development: Charting a Federal Role for the 21st Century: Final Draft Report.** Prepared for Canada Mortgage and Housing Corporation and Natural Resources Canada; prepared by P&A, Peck & Associates. Ottawa: The Corporation, 2000. Description 164 p. (Ca1 MH 00157)

Summary This research was undertaken to accelerate the implementation of sustainable communities in Canada and was designed to answer the following key questions: - What are the essential features of sustainable community development? -Why is sustainable community development so important to the future economic, social and environmental health and well being of Canadians? -What is the current status of sustainable community development in the US, Europe, Australia, New Zealand and Canada, and more importantly, what are federal governments doing to support these innovative developments? -What are the primary barriers to sustainable community development in Canada? -What

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types of policy and program measures could the federal government implement in partnership with municipal governments and others to effectively stimulate the implementation of sustainable communities in Canada? This report is written primarily for federal policy makers who are interested in promoting sustainable development and reducing greenhouse gases at the community level. However, it also provides resources for other practitioners - innovative developers, development consultants, planners and municipal, regional and provincial policy makers - who are also interested in implementing sustainable communities. Information on "good practices", examples of the major features of sustainable communities and possible questions for assessing development proposals are provided. Five detailed case studies on successful and unsuccessful sustainable communities and included lessons learned with practical advice on marketing and financing are provided. Pictures and graphics illustrating the major features of sustainable communities are used throughout the report.

Porter, Douglas R. **The Practice of Sustainable Development.** Douglas R. Porter, principal author and editor; primary authors, Rutherford H. Platt ... et al. Washington, D.C.: Urban Land Institute, c2000. Description xii, 162 p. (HCI I0.E5 P67 2000)

Quadrangle Architects Limited ... et al. **Le Logement collectif et la collectivité durable.** Série sur le logement abordable et le financement de l'habitation. Préparé pour Division de la recherche, Société canadienne d'hypothèques et de logement, Ressources naturelles Canada, la Municipalité régionale d'Ottawa-Carleton. Ottawa : La Division, c2000. Description iv, 53 p. (CaI MH9 00M73f)

Résumé Pour concevoir et aménager des collectivités durables, les spécialistes du secteur de l'habitation doivent se familiariser avec les caractéristiques de la durabilité et leur attrait potentiel pour le consommateur. Ce rapport présente les facteurs qui font que le logement à densité moyenne est écologique et attirant pour certains segments du marché. On y trouve un compte rendu détaillé sur les exigences des consommateurs en matière de logement à densité moyenne et des exemples, nouveaux et anciens, de la manière dont ces exigences peuvent être satisfaites. On y expose clairement quels ménages sont susceptibles de choisir un logement à densité moyenne et la manière de les attirer par des caractéristiques particulières et des tactiques de marketing. Les nombreuses illustrations servent à mieux faire comprendre ces caractéristiques et à les relier aux besoins exprimés par les consommateurs. Cette étude permettra de constituer une banque d'idées précieuse pour les promoteurs et les urbanistes désireux de densifier l'utilisation du sol en milieu urbain. Le riche contenu du rapport permettra aux promoteurs et aux municipalités de promouvoir activement le logement à densité moyenne afin d'influencer les préférences des consommateurs et la demande sur le marché. On y trouve les règles de base pour satisfaire les demandes des consommateurs et une variété de modèles pour ce faire. On favorisera ainsi une meilleure acceptation du logement à densité moyenne et, par conséquent, les collectivités durables.

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Quadrangle Architects Ltd. ... et al. **Multiple Housing for Community Sustainability.** Housing Affordability and Finance Series. Prepared for Research Division, Canada Mortgage and Housing Corporation and Natural Resources Canada, Regional Municipality of Ottawa-Carleton. Ottawa: The Division, c2000. Description iv, 53 p. (Ca1 MH9 00M73)

Summary To design and build sustainable communities, professionals in the housing industry need to be familiar with the features of sustainability and their potential appeal to the consumer. This report focuses on the factors that make medium density housing sustainable and appealing in certain segments of the market. It provides a detailed account of consumer requirements for medium density housing and gives examples, both existing and new, of how these can be satisfied. It describes clearly which households are likely to choose medium density forms and how to appeal to them with specific features and marketing tactics. A wealth of illustrations make these features clear and connects them to expressed consumer expectations. This study will become a valuable reference of ideas for developers or planners that seek to intensify land use in cities. The rich material in the report enables developers and municipalities to base the case for medium density housing firmly in consumer preferences and market demand. It gives the ground rules for satisfying consumer expectations and a range of models with which to do it. It promotes greater acceptance of medium density housing and that enables communities to become more sustainable.

Québec (Province). Agence de l'efficacité énergétique. **Efficacité énergétique : 101 trucs et conseils.** Québec : Agence de l'efficacité énergétique : Protégez-Vous, 2000. Description 48 p. (Ca2 PQ NR65 00E22)

Rao, Susheel ... et al. **Ecohomes: The Environmental Rating for Homes.** Watford, England: Published by Construction Research Communications Ltd. by permission of Building Research Establishment, 2000. Description iv, 20 p. (UK1 EN90 00E12)

Ravetz, Joe. **City-Region 2020: Integrated Planning for a Sustainable Environment.** Prepared by Joe Ravetz with the Sustainable City-Region Working Group; chaired by Peter Roberts. London: Earthscan, 2000. Description 307 p. (HT169.G7 R32 2000)

Summary "Drawing from the most comprehensive and detailed case study project ever undertaken on sustainable development at the city and regional scale, this publication translates principles into practice for the sprawling post-industrial conurbation of Greater Manchester. It sets a standard for the integrated strategic management of cities and regions, with methods and tools such as sustainability indicators and appraisals that can be applied anywhere in the western world."--BOOK JACKET.

Roo, Gert de and Miller, Donald, eds. **Compact Cities and Sustainable Urban Development: A Critical Assessment of Policies and Plans from an International Perspective.** Urban Planning and Environment. Aldershot, Hampshire, England; Burlington, VT: Ashgate, c2000. Description vii, 286 p. (HT166.C618 2000)

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Sénécal, Gilles et Saint-Laurent, Diane. **Les espaces dégradés : contraintes et conquêtes.** Sous la direction de Gilles Sénécal et Diane Saint-Laurent. Sainte-Foy : Presses de l'Université du Québec, 2000. Description xx, 272 p. (HTI69.C32 Q443 2000)

Serageldin, Ismail ... et al, eds. **Organizing Knowledge for Environmentally and Socially Sustainable Development: Proceedings** of a concurrent meeting of the fifth annual World Bank Conference on Environmentally and Socially Sustainable Development, partnerships for global ecosystem management, science, economics and law: cosponsored by UNESCO and the World Bank and held at the World Bank, Washington, D.C., October 9-10, 1997. Washington, DC: World Bank, c1998. Description vi, 92 p. : 28 cm. Electronic reproduction. Boulder, Colo. : NetLibrary, 2000. (Electronic File NetLibrary)

Société canadienne d'hypothèques et de logement. **Avant d'améliorer l'efficacité énergétique de votre maison --installations mécaniques.** Votre maison ; CF 28i. Ottawa : La Société, c2000. Description 6 p. (CaI MH7 00P28if)

_____. **Avant d'améliorer l'efficacité énergétique de votre maison --l'enveloppe du bâtiment.** Votre maison ; CF 28jf. Ottawa : Société canadienne d'hypothèques et de logement, c2000. Description 6 p. (CaI MH7 00P28jf)

_____. **La Maison saine d'Eagle Lake.** Votre maison. Dossier du nord ; no 5. Ottawa : Société canadienne d'hypothèques et de logement, c2000. Description 8 p. (CaI MH7.I 00N05f)

_____. **Pratiques pour des collectivités durables.** Ottawa : Société canadienne d'hypothèques et de logement, c2000. Description vi, 203 p. + CD-ROM (CaI MH 00P67f)

Nota: "D'après un rapport original préparé pour la SCHL par les personnes suivantes : Catherine Fletcher Marsden, Janet Smolders et Sonny Tomich de Dillon Consulting Limited."

Résumé "Pratiques pour des collectivités durables" présente: --Un cadre qui définit et organise les pratiques (les outils, des stratégies et les activités) qui conduisent à une durabilité accrue. --Des exemples de pratiques de développement de collectivités durables. Ce livre fait du développement durable une réalité quotidienne. Il jette un regard canadien sur les défis que pose la durabilité et propose des solutions et des études de cas provenant du Canada. "Pratiques pour des collectivités durables" est fourni avec le PIDD – le Programme d'indicateurs du développement durable élaboré par la SCHL et Environnement Canada. Le PIDD permet aux collectivités de mesurer les progrès réalisés dans la construction de bâtiments et l'implantation de modes de vie qui respectent les principes du développement durable. À l'aide du PIDD, les collectivités peuvent créer une vision locale de la durabilité puis mesurer et contrôler les progrès accomplis dans leur démarche pour faire de cette vision une réalité.

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Société canadienne d'hypothèques et de logement. Centre d'activités de la Colombie-Britannique et du Yukon. **L'Habitation 2000 : se construire un chez-soi pour la vie : une habitation abordable et saine qui évolue au gré de vos besoins.** Vancouver : Le Centre, 2000. Description 27 p. (CaI MH690 00H57f)

Société canadienne d'hypothèques et de logement. Division de la recherche. **Compendium de la recherche sur l'immeuble de la Conservation Co-op.** Le Point en recherche. Série technique ; 00-140. Ottawa : La Division, 2000. Description 6 p. (CaI MH116 00H140f)

_____. **Consommation d'énergie des systèmes d'alimentation en air des corridors dans les immeubles d'appartements.** Le Point en recherche. Série technique ; 00-104. Ottawa : Division de la recherche, Société canadienne d'hypothèques et de logement, 2000. Description 4 p. (CaI MH116 00H104f)

_____. **Examen de la consommation d'énergie et d'eau dans les bâtiments de la Société de logement de l'Ontario.** Le Point en recherche. Série technique ; 00-110. Ottawa : Division de la recherche, Société canadienne d'hypothèques et de logement, 2000. Description 4 p. (CaI MH116 00H110f)

_____. **Rénovation d'un immeuble d'appartements avec murs en maçonnerie massive.** Le Point en recherche. Série technique ; 00-134. Ottawa : Division de la recherche, Société canadienne d'hypothèques et de logement, 2000. Description 4 p. (CaI MH116 00H134f)

SOLTEK Solar Energy Ltd. **Canadian Solar Energy Catalogue.** Victoria, B.C.: SOLTEK Solar Energy Ltd, 2000- (TJ809 C36)

Soprema (Firm). **Sopranature Green Roof System: Specifications.** Québec: Soprema, 2000? Description 1 v. (loose-leaf) (SB419.5 S66)

Soprema (Firme). **Système de végétalisation de toitures sopranature : manuel technique.** Québec : Soprema, 2000? Description 1 v. (feuilles multiples) (SB419.5 S6613)

Statens råd för byggnadsforskning (Sweden). **Green Building Challenge 2000.** General Information Material; G 13:200. Stockholm: Swedish Council for Building Research, 2000. Description 96 p. (SW5 BR45 00G13)

Stoecklein, Albrecht and Bassett, Mark. **ALF3: The Annual Loss Factor Method: A Design Tool for Energy-Efficient Houses.** 3rd ed. Wellington: Building Research Association of New Zealand, 2000. Description 1 v. (loose-leaf) + CD-ROM (TJ163.5.D86 S76 2000)

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Thompson, J. William and Sorvig, Kim. **Sustainable Landscape Construction: A Guide to Green Building Outdoors.** Washington, D.C.: Island Press, c2000. Description xxi, 348 p. (TH380 T46 2000)

Torrie Smith Associates, Inc. **Gestion communautaire de l'énergie : document de base.** Série sur la maison et les collectivités saines. Préparé pour David D'Amour (SCHL), Coprésident, Sous-comité de la planification communautaire de l'énergie, Table des municipalités, Processus de changement climatique national. Ottawa : Société canadienne d'hypothèques et de logement, c2000. Description v, 37 p. (CaI MH 00C51f)

Résumé Après le sommet de Kyoto sur le changement climatique, le gouvernement fédéral a établi quinze tables rondes sur des problèmes ou secteurs particuliers pour examiner les coûts et impacts de la mise en oeuvre des objectifs du Canada en matière de réduction des gaz à effet de serre. La SCHL est un membre de la table ronde des municipalités et sert de coprésident du sous-comité sur la planification de l'énergie en milieu urbain (qui relève de la table ronde des municipalités). La SCHL a récemment financé l'élaboration d'un document de base sur la planification de l'énergie en milieu urbain. Le présent document explore le potentiel de planification communautaire de l'énergie (PCE) de serre au Canada. L'exposé commence par définir la gestion communautaire de l'énergie (GCE) et son rôle par rapport aux grands objectifs communautaires comme la réduction des dépenses du secteur public, la création d'emploi et l'amélioration de la qualité de vie. Cet exposé se situe dans le contexte du niveau et de la structure de la consommation énergétique dans les localités canadiennes, surtout celles qui sont assujetties à l'influence des initiatives de GCE. Deux aspects de cette dernière font l'objet d'un examen détaillé : la relation entre l'utilisation des terrains et la consommation énergétique, et le potentiel que présentent les systèmes d'énergie à distance dans les localités canadiennes.

Torrie Smith Associates, Inc. **Community Energy Management: Foundation Paper.** Healthy Housing and Communities Series. Prepared for David D'Amour (CMHC), Co-chairman, Community Energy Planning Subcommittee, Municipalities Table, National Climate Change Process. Ottawa: Canada Mortgage and Housing Corporation, c2000. Description v, 33 p. (CaI MH 00C51)

Summary Following the Kyoto summit on climate change, the federal government established 15 "issue/sector tables" to examine the costs and impacts of implementing Canada's greenhouse gas reduction targets. CMHC is a member of the "Municipalities Table" and co-chairs the subcommittee on "Community Energy Planning" (reporting to the Municipalities Table). CMHC recently funded the development of this Foundation Paper on Community Energy Planning. This paper explores the potential for community energy planning to contribute to the reduction of greenhouse gas emissions in Canada. The discussion begins by defining Community Energy Management (CEM) and its role in achieving larger community goals such as reducing public sector expenditures, job creation and improving the quality of life. This discussion is in the context of the level and pattern of energy use in Canadian communities, particularly the portion that is subject to the

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influence of CEM initiatives. Two aspects of CEM are examined in some detail: the relationship between land use and energy use; and the potential for district energy systems in Canadian communities.

Van Hal, Anke; De Vries, Ger; and Brouwers, Joost. **Kiezen voor verandering : duurzaam bouwen in Nederland = Opting for Change: Sustainable Building in the Netherlands.** Best, The Netherlands: AEnas, c2000. Description 135 p. (NA2542.36 V36 2000)

Walters, G. A.; Kempson, I.; and Shorrocks, L. D. **Domestic Energy Fact File.** London: Construction Research Communications Ltd. for Building Research Establishment, 2000. Description 4 v. (UKI EN90 00D52)

Contents v. 1. Local authority homes --v. 2 Owner occupied homes --v. 3 Private rented homes --v. 4 Registered social landlord (RSL) homes.

Weinberg, Adam S.; Pellow, David N.; and Schnaiberg, Allan. **Urban Recycling and the Search for Sustainable Community Development.** Princeton, N.J.: Princeton University Press, c2000. (HN49.C6 W437 2000)

Williams, Katie; Burton, Elizabeth; and Jenks, Michael, eds. **Achieving Sustainable Urban Form.** London; New York: E & FN Spon, 2000. Description xii, 388 p. (HT371 A25 2000)

Wines, James. **Green Architecture.** Köln; New York: Taschen, c2000. Description 240 p. (NA2542.35 W56 2000)

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American Society of Heating, Refrigerating and Air-Conditioning Engineers. **Energy Standard for Buildings Except Low-rise Residential Buildings.** ASHRAE/IESNA standard; 90.1-1999. Jointly sponsored by Illuminating Engineering Society of North America. Atlanta, Ga.: American Society of Heating, Refrigerating and Air-Conditioning Engineers, 1999. Description 160 p. (TJ163.5.B84 E578 1999)

Arendt, Randall. **Growing Greener: Putting Conservation into Local Plans and Ordinances.** With site plans and perspective sketches by Holly Harper, Stephen Kuter, and Diane Rosencrance. Washington, D.C.: Island Press, c1999. (HT167 A832 1999)

Bell, Simon and Morse, Stephen. **Sustainability Indicators: Measuring the Immeasurable?** London: Earthscan, 1999. Description xv, 175 p. (GE140 B44 1999)

Best, Don. **Innovative Energy-Efficient Houses.** Arlington, MA: Cutter Information Corp., c1999. Description 74 p. (TJ163.5.D86 B47 1999)

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Campbell-Howe, R. and Wilkins-Crowder, B., eds. **Proceedings of the Solar 99 Conference: Including Proceedings of the ASES Annual Conference, Proceedings of 24th National Passive Solar Conference, Portland, Maine, June 12-16, 1999.** Boulder, Colo.: American Solar Energy Society, c1999. Description xiii, 766 p. (TJ810 A43 1999)

Canada. Office de l'efficacité énergétique. **Guide d'interprétation du Règlement sur l'efficacité énergétique du Canada.** Rév. mai 1999. Ottawa : Office de l'efficacité énergétique, c1999. Description ii, 54 p. (CaI MS300 99G71f)

Canada. Office of Energy Efficiency. **Guide to Canada's Energy Efficiency Regulations.** Rev. May 1999. Ottawa: The Office, c1999. Description ii, 54 p. (CaI MS300 99G71)

Canada Mortgage and Housing Corporation. Research Division. **Greenhouse Gas Emissions From Urban Travel: Tool for Evaluating Neighbourhood Sustainability.** Research Highlights. Socio-economic Series; issue 50. Rev. II. Ottawa: The Division, 1999. Description 4 p. (CaI MHI13 99H50)

_____. **Residential Building Energy Estimation Method Based on the Application of Artificial Intelligence.** Research Highlights. Technical Series; 99-120. Ottawa: Research Division, Canada Mortgage and Housing Corporation, 1999. Description 4 p. (CaI MHI16 99H120)

Condon, Patrick M. and Proft, Joanne, comps and eds. **Sustainable Urban Landscapes: The Brentwood Design Charrette.** Based on work presented at a design charrette held in Burnaby, B.C., August 22-25, 1997. Vancouver: University of British Columbia, James Taylor Chair in Landscape and Liveable Environments, c1999. Description 99 p. (4 double) (HTI69.C32 B878 1999)

Cullbridge Marketing and Communications and GLPI (Firm). **Developing Consumer Information on Sustainable Community Planning.** Healthy Housing and Communities Series. Prepared for Canada Mortgage and Housing Corporation. Ottawa: The Corporation, c1999. Description iii, 20, 14 p. (CaI MH 99D21)

Summary This report presents key considerations for the development, marketing and distribution of consumer-oriented information materials focusing on those community planning elements over which consumers have direct influence. This study was commissioned to determine a strategy for developing, marketing and distributing proposed products in this area, but the lessons learned from the research can be useful to other housing stakeholders. The information and conclusions are based on research consisting of: -a literature review and six in-depth interviews to provide insight into key concerns and decisions for the study; -a full-day brainstorming session with housing researchers to determine priority topic areas, goals, target audiences and five product concepts to be tested;

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-12 consumer focus groups held across Canada; and -30 in-depth interviews with potential clients/partners. The study found: - Awareness of sustainable community planning issues is low among consumers. The environmental dimension of community planning is not clear to them. Neither are the benefits of sustainable communities. At the same time, many consumers find sustainable community planning to be an intriguing concept. Of the various sustainable community topics, sustainable landscaping sparks consumer interest the most. Consumers appear to be the least receptive to compact communities. - Information on this topic should focus on those aspects that make communities great places to live. Great livability should be the one overriding impression that consumers are left with regarding these communities. Specifically, information materials should stress the human dimension of sustainable communities and the potential personal benefits that resonate most strongly with consumers: community interaction and dialogue with neighbours, access, convenience, safety, affordability, recreational opportunities, etc. -Finally, the information materials should also highlight the notion of options (and longevity) within the community, that is, that a variety of housing choices are available to accommodate the needs of a range of lifestyles and life cycles.

Cullbridge Marketing and Communications et GLPI (Firme). **Élaboration d'une base de renseignements sur la planification de collectivités durables à l'intention des consommateurs.** Série sur la maison et les collectivités saines. Préparé pour la Société canadienne d'hypothèques et de logement, Ottawa : La Société, c1999. Description iii, 24, 14 p. (Ca1 MH 99D21f)

Résumé Notre rapport présente des considérations clés relatives à l'élaboration à la commercialisation et à la distribution de matériel d'information des consommateurs axé sur les aspects de la planification de collectivités que les consommateurs influencent directement. Il s'agit d'une étude commandée afin d'établir une stratégie d'élaboration, de commercialisation et de diffusion des produits proposés dans ce domaine, mais les leçons tirées de la recherche peuvent également s'avérer utiles pour les autres intervenants du domaine du logement. Les données et les conclusions présentées sont fondées sur ce qui suit: - un examen de la documentation et six entrevues en profondeur afin d'éclairer les préoccupations et les orientations principales de l'étude; -les résultats de la participation de spécialistes de recherche en logement à une séance de remue-méninges d'une journée complète afin de déterminer les priorités, les buts, les publics cibles et cinq concepts de produits devant être mis à l'épreuve; - l'organisation de douze groupes d'entretien en profondeur de consommateurs d'un bout à l'autre du Canada; -trente entrevues en profondeur menées auprès de clients et de partenaires en puissance. Les principales constatations de l'étude sont les suivantes: -Les consommateurs sont peu sensibilisés aux questions de planification de collectivités durables. Ils ne sont pas conscients de la dimension écologique de la planification de collectivités ni des avantages personnels associés aux collectivités durables. En même temps, beaucoup de consommateurs sont intrigués par le concept de la planification de collectivités durables. L'aménagement paysager est celui des divers aspects des collectivités durables qui suscite le plus d'intérêt auprès des consommateurs. De tous les concepts examinés, c'est celui des collectivités groupées qui leur plaît le moins. L'information pertinente devrait être axée sur les aspects qui font en sorte que les collectivités sont des endroits

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de vivre merveilleux. Il faut chercher à impressionner surtout les consommateurs par le degré supérieur d'habitabilité de ces collectivités. De façon plus particulière, le matériel d'information doit mettre en valeur la dimension humaine des collectivités durables et les avantages personnels possibles qui sont les plus susceptibles de toucher les consommateurs, comme l'interaction communautaire et le dialogue avec les voisins, l'accès, la commodité, la sécurité, l'abordabilité et les possibilités de loisirs. -En dernier lieu, le matériel d'information doit également mettre en valeur la notion d'options (et de longévité) à l'intérieur de la collectivité, en ce sens qu'il existe une gamme d'options pour répondre aux besoins d'une gamme de styles et de cycles de vie.

Cutter Information Corp. **Energy-Efficient Windows: Research, Ideas, and Product Reviews.** 2nd ed. Arlington, Mass.: Cutter Information Corp., c1999. Description 153 p. (TH2275 N57 1999)

Diamond, Richard C.; Feustel, Helmut E.; and Matson, Nance. **Energy-Efficient Ventilation for Apartment Buildings.** Rebuild America Guide Series. Washington: U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy, Office of Building Technology, State and Community Programs, 1999. Description x, 101 p. (USI EM30 99E52)

Dumont, Robert; Snodgrass, Larry; and Makohon, Jerry. **The Renovation of an Apartment Building with Solid Masonry Walls.** Prepared for High-Rise Innovation Center, Technical Policy and Research Division, Canada Mortgage and Housing Corporation. Ottawa: The Division, 1999. Description 1 v. (various pagings) (Ca1 MH65 99R21)

Summary A 90 year old building with solid clay brick walls has been gutted and renovated into a multi-family residential building for low income persons. The renovation involved the addition of thermal insulation to the inside of the building envelope, the application of stucco to the exterior of three of the four sides of the building, restoration of the front masonry facade, installation of a mechanical ventilation system with ventilation in each room, and a combination hydronic baseboard/radiant floor heating system. This renovation was of particular interest as it represented a unique opportunity to evaluate the impact of insulating formerly un-insulated solid masonry walls - a subject of much interest and controversy with the building rehabilitation industry. The project also demonstrated how the most current understanding of building envelope durability, heating and ventilation systems and indoor air quality could be implemented within an otherwise unremarkable renovation project. The building envelope was monitored for thermal and moisture performance. Energy, water use and indoor air quality were also monitored in the renovated building. Based on 15 months of measured readings of wood moisture pins placed in the walls and attic of the retrofitted building, the rehabilitation has been successful in reducing wall heat flow by conduction while maintaining safe moisture content levels in the wood members. The indoor air quality in the building was greatly improved through the use of mechanical ventilation system with ventilation provided to each room in each apartment.

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European Commission. Directorate-General for Energy . . . et al. **A Green Vitruvius: Principles and Practice of Sustainable Architectural Design.** London: James & James, 1999. Description 145 p. (NA2542.36 G74 1999)

Frechette, Leon A. **Build Smarter with Alternative Materials.** Carlsbad, Calif.: Craftsman Book Company, c1999. Description 333 p. (TA403.6 F73 1999)

Frey, Hildebrand. **Designing the City: Towards a More Sustainable Urban Form.** London; New York: E & FN Spon, 1999. Description vii, 148 p. (HT166 F73 1999)

Gipe, Paul. **Wind Energy Basics: A Guide to Small and Micro Wind Systems.** Real Goods Solar Living Book. White River Junction, VT: Chelsea Green Pub. Co., c1999. Description xi, 122 p. (TJ820 G565 1999)

Girardet, Herbert. **Creating Sustainable Cities.** Schumacher Briefing; no. 2. Totnes, Devon: Published by Green Books for The Schumacher Society, 1999. Description 77 p. (HT241 G54 1999)

Contents 1. Urban sustainability : a contradiction in terms? -- 2. Urbanisation and its impacts -- 3. Cities as superorganisms -- 4. Cities and their ecological footprint -- 5. The metabolism of cities -- 6. From urban sprawl to convivial cities -- 7. Prospects for urban farming -- 8. Smart cities and urban best practice -- 10. Principles and policies -- 10. A culture of sustainability.

Hastings, S. Robert, ed. **Solar Air Systems: Built Examples.** London: James & James, c1999. Description vi, 218 p. (TH7413 S593 1999)

Inoguchi, Takashi; Newman, Edward; and Paoletto, Glen, eds. **Cities and the Environment: New Approaches for Eco-societies.** Tokyo; New York: United Nations University Press, c1999. Description xxiii, 337 p. (HT241 C56 1999)

Kajl, Stanislaw et Roberge, Marc-Antoine. **Méthode d'estimation énergétique des bâtiments d'habitation basée sur l'application de l'intelligence artificielle : rapport final.** Présenté à Sandra Marshall, Société canadienne d'hypothèques et de logement. Ottawa : Division de la recherche, Société canadienne d'hypothèques et de logement, 1999. Description 78 p. (Ca1 MH110 99M22)

Résumé Ce projet avait pour objet de mettre au point une méthode rapide d'estimation de la consommation d'énergie dans les tours d'habitation, au moyen de l'intelligence artificielle. La méthode donne de multiples résultats tels que la consommation totale d'énergie, la charge au kw, la consommation d'énergie pour le chauffage et le refroidissement, et tient compte de variables telles que l'orientation des appartements, l'emploi du temps des occupants et l'interaction

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entre le CVC et les systèmes de l'enveloppe. Les travaux se sont déroulés comme suit: -Création des bases de données classifiant les paramètres des simulations énergétiques, la modélisation et la validation des résultats au moyen du DOE-2. -Application de réseaux neuronaux à la formation et à la validation des résultats. -Élaboration de la simulation pour les tours d'habitation. -Validation du programme de simulation. À ce stade, le programme a été mis au point pour des conditions climatiques similaires à celles d'Ottawa, mais il sera élargi plus tard. Il a été testé pour vérifier son exactitude au regard d'une tour d'habitation ayant déjà fait l'objet de contrôles à Ottawa. Il fournit la consommation énergétique totale de l'immeuble, de même que la consommation par les appartements, les couloirs et le stationnement, avec la charge au kw. L'entrée des données et les interfaces des résultats peuvent être modifiés. Le programme a été élaboré dans un environnement MatLab; pour une application plus large, il faudrait le traduire en langage C++.

Leitmann, Joseph. **Sustaining Cities: Environmental Planning and Management in Urban Design.** New York: McGraw-Hill, c1999. Description xx, 412 p. (HT165.5 L45 1999)

Littlefair, P. J. **Solar Shading of Buildings.** Watford: Construction Research Communications Ltd. by permission of Building Research Establishment Ltd., 1999. Description 30 p. (UK1 EN90 99S57)

Loois, Geerling and Hemert, Bernard van, eds. **Stand-Alone Photovoltaic Applications: Lessons Learned.** London: James & James, c1999. Description vii, 69 p. (TK1087 S73 1999)

McKenzie-Mohr, Doug and Smith, William. **Fostering Sustainable Behavior: An Introduction to Community-Based Social Marketing.** Education for Sustainability. Gabriola Island, B.C.: New Society Pub., c1999. Description xiii, 160 p. (HF5414 M39 1999)

McKirdy, Alexandra R., ed. **The Canadian Renewable Energy Guide.** 2nd ed. Burnstown, Ont.: General Store Publishing House for Solar Energy Society of Canada, c1999. Description xiii, 228 p. (TJ807.9.C3 C35 1999)

Miller, Donald and Roo, Gert de, eds. **Integrating City Planning and Environmental Improvement: Practicable Strategies for Sustainable Urban Development.** Aldershot, Hants, England; Brookfield, Vt., USA : Ashgate, c1999. Description viii, 369 p. (HT241 I557 1999)

O'Meara, Molly. **Reinventing Cities for People and the Planet.** Worldwatch Paper; 147. Washington, D.C.: Worldwatch Institute, 1999. Description 94 p. (HT241 O43 1999)

Organisation for Economic Co-operation and Development. **Urban Policy in Germany: Towards Sustainable Urban Development.** Paris: The Organisation, c1999. Description 96 p. (ZZ EC 99U66)

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Patel, Mukund R. **Wind and Solar Power Systems**. Boca Raton: CRC Press, c1999. Description 351 p. (TK1541 P38 1999)

Perlin, John. **From Space to Earth: The Story of Solar Electricity**. Ann Arbor, MI: Aatec Publications, c1999. Description xvi, 224 p. (TK1087 P47 1999)

Phillips, Bert. **Corridor Air Ventilation System Energy Use in Multi-unit Residential Buildings: Final Report**. Prepared for Research Division, Canada Mortgage and Housing Corporation. Ottawa: The Division, 1999. (Ca1 MHI10 99C51)

Summary CMHC funded this study to expand knowledge about the energy impact of operating ventilation systems that pressurize corridors in multi-unit residential buildings (MURBs). In the winter of 1997/98, a field test protocol to assess the impact of the corridor ventilation system operation was developed and tested on a MURB. Building energy use was monitored with the corridor ventilation system operating one winter night and off the following night. This process was repeated over a range of temperatures. The tests provided real data on the energy impact of operating corridor ventilation systems. Monitoring data were compared with predictions from a computer model. The computer model proved not to be a useful tool for assessing the impacts of corridor ventilation on infiltration or building energy use. In the winter of 1998/99, the field protocol was tested on another four buildings to assess its applicability to buildings with different energy systems. Data analysis focused on time periods between midnight and early morning, when the impacts of solar gains and day-to-day variation in DHW loads and occupant activities (cooking, cleaning, clothes drying, weekends, holidays, etc.) were assumed to be minimized. Linear regression was applied to each data set (i.e., the fans-on data and the fans-off data) to mathematically define the relationships between outdoor temperature and energy use in each building. The field protocol was relatively straightforward and inexpensive to apply and could be done without use of expensive or high-tech monitoring equipment. The data analysis, done in a spreadsheet computer program, showed very good correlation between outdoor temperature and whole-building energy use and distinct relationships for the "fan on" and "fan off" operating condition. Observations made on the five study buildings were sufficiently similar to allow for general conclusions to be drawn about the impact of operating corridor ventilation systems on building energy use and whole-building air change rates. The observed increase in whole building energy use when the corridor ventilation systems were operated in the study buildings ranged from 60 to 90% of energy that would be required to condition the corridor ventilation system air flow. This energy increase was much bigger than expected, based on a fundamental analysis of the buildings. This leads to the conclusion that operating corridor ventilation systems does not appreciably increase indoor-to-outdoor pressure differentials across suite walls so does not displace significant amounts of infiltration. Turning the corridor ventilation system off did not result in complaints about air quality during cold weather, but did when temperatures were above freezing. As such, turning corridor ventilation systems off may be an effective strategy for reducing energy consumption and peak energy demand during very cold weather.

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- Pierce, John T. and Dale, Ann, eds. **Communities, Development, and Sustainability Across Canada.** Sustainability and the Environment Series. Vancouver: UBC Press, c1999. Description xvi, 302 p. (Electronic File NetLibrary)
- Potts, Michael. **The New Independent Home: People and Houses that Harvest the Sun.** Rev. and expanded ed. White River Junction, Vt.: Chelsea Green Publishing, 1999. Description xxii, 392 p. (TJ163.5.D86 P63 1999)
- Proceedings: International Conference on Heating Policy and Practices and Housing Energy Efficiency in Northern China.** S.l.: s.n., 1999. Description 1 v. (various pagings) (TH7205 I57 1999)
- Ross, Michael and Royer, Jimmy, eds. **Photovoltaics in Cold Climates.** London: James & James, 1999. Description viii, 151 p. (TK1087 P485 1999)
- Rudlin, David and Falk, Nicholas. **Building the 21st Century Home: The Sustainable Urban Neighbourhood.** Oxford; Boston: Architectural Press, 1999. Description xvi, 271 p. (HT169.G7 R82 1999)
- Satterthwaite, David, ed. **The Earthscan Reader in Sustainable Cities.** London: Earthscan Publications Ltd., 1999. Description xvii, 478 p. (TD195.E25 E28 1999)
- Sénécal, Gilles et Saint-Laurent, Diane. **Le programme Éco-quartier de la ville de Montréal : une innovation en évolution.** Études et documents ; 71. Par Gilles Sénécal et Diane Saint-Laurent avec la collaboration d'Anne-Marie Charlebois et de Daniel Léonard. Montréal : INRS-Urbanisation, 1999. Description vi, 76 p. (HT243.C22 M67 1999)
- _____. **Le Programme Éco-quartier de la ville de Montréal : une innovation en évolution : rapport final.** Par Gilles Sénécal et Diane Saint-Laurent avec la collaboration d'Anne-Marie Charlebois et de Daniel Léonard. Ottawa : Société canadienne d'hypothèques et de logement, 1999. Description 18, 62 p. (Ca1 MH 99P62)

Résumé Le programme Éco-quartier a été lancé par la Ville de Montréal pour engager les citoyens dans les initiatives environnementales locales. Ce rapport a pour objet d'évaluer le programme pour que les lecteurs de Montréal et de toutes les municipalités du Canada puisse en tirer des leçons. Ce programme novateur répond aux besoins locaux en matière d'écologie, plus précisément la collecte des matières recyclables et "l'écologisation" de la ville. Il n'a cependant pas fait la lutte aux grands problèmes environnementaux comme la pollution atmosphérique; il a plutôt mis l'accent sur les questions qui touchent les citoyens à l'échelle locale. Son mandat, et sa portée, étaient donc assez limités. En ce qui a trait à "l'écologisation" des activités municipales, on a privilégié une approche horticole plutôt qu'écologique, c'est-à-dire l'embellissement au lieu de la biodiversification. Les interviews ont révélé que la participation des citoyens aux activités a été faible au

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chapitre de la conception et de l'entretien des emplacements plantés, mais que ces initiatives leur plaisent et qu'elles ont une vocation sociale. Pour améliorer le programme, les organisateurs devraient faire participer les résidents à toutes les phases des projets, privilégier l'utilisation des espaces publics par rapport aux terrains privés et miser davantage sur les partenariats. Ils devraient aussi élargir le programme pour s'attaquer à d'autres problèmes environnementaux de nature locale.

Société canadienne d'hypothèques et de logement. Division de la recherche.

Émissions de gaz à effet de serre du transport urbain : instrument d'évaluation de la durabilité des quartiers. Le Point en recherche. Série socio-économique no 50. Rév. II. Ottawa : La Division, 1999. Description 4 p. (CaI MH113 99H50f)

_____. **Méthode d'estimation énergétique des bâtiments d'habitation basée sur l'application de l'intelligence artificielle.** Le Point en recherche. Série technique ; 99-120. Ottawa : Société canadienne d'hypothèques et de logement, Division de la recherche, 1999. Description 4 p. (CaI MH116 99H120f)

Spiegel, Ross and Meadows, Dru. **Green Building Materials: A Guide to Product Selection and Specification.** The Wiley Series in Sustainable Design. New York: Wiley, c1999. Description xi, 322 p. (TH455 S65 1999)

Stitt, Fred A., ed. **Ecological Design Handbook: Sustainable Strategies for Architecture, Landscape Architecture, Interior Design, and Planning.** New York: McGraw-Hill, c1999. (NA2542.35 E26 1999)

Sweet, Lois. **Room to Live: Healthy Cities for the Urban Century.** IDRC Briefing; no. 4. Ottawa: International Development Research Centre, 1999. Description 1 folded sheet (8 p.) (CaI EA93 99B04)

Urban Ecology Design Collaborative. **Potential for Building Products Co-ventures, Exports and Canadian Expertise for Sustainable Housing Development in China.** Ottawa: Canadian Housing Export Centre, Canada Mortgage and Housing Corporation, c1999. Description iii, 58 p. (CaI MH56 99P51)

Summary This report provides an overview of urban development and housing in China with information on: -Changing demographics and the new economy; -A typical new housing project in urban China; -Regional differences; -Home ownership in China; and -The state of residential building technology and construction in urban China. This study identifies the range of construction materials, products and services related to sustainable development that could be utilized by China's housing industry. In particular, it has identified the following key areas for export/co-venture opportunities in China: -site remediation -lightweight non-combustible systems and materials -alternatives to clay brick -production facilities for cement, reinforcement, structural steel and coated steel and -interior products ranging from painting and decorating supplies to communication and

1999 security systems and wiring components. A table listing typical pricing information for various building products and materials supplied in China is included.

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1998 American Council for an Energy-Efficient Economy. **1998 ACEEE Summer Study on Energy Efficiency in Buildings: Proceedings.** Washington, D.C.: The Council, c1998. Description 10 v. (TJ163.5.B84 A02 1998)

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processor (100 MHZ or faster recommended); CD-ROM drive (4X or faster recommended); 20 MB RAM; Monitor set to display at least 640 X 480 pixels, and at least 256 colors, 16-bit color recommended). (CD-ROM NA2542.35 G73 1998)

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Epp, Eduard ... et al. **Sustainable Community Design.** Ottawa: Canada Mortgage and Housing Corporation, 1999. Description 1 computer laser optical disc. System requirements (Windows): PC; CD-ROM drive; Windows '95 or '98; Monitor with 640 x 480 resolution or higher, displaying 16 bit colour. System requirements (Macintosh): CD-ROM drive; O/S 7.1 or higher; Monitor with 640 x 480 resolution or higher, displaying thousands of colours. (CD-ROM NA9050 S97)

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Summary This project sought to identify the features of a sustainable community and how they can be applied to the design of a new community. Several Canadian and international examples of built or proposed communities were used to seek out these features. It also tried to test consumer response to these design features by using images and facts from these example case studies and from a proposed design of a Canadian subdivision. The study results are incorporated in a CD-ROM. It presents 150 sustainability features organized in distinct categories ranging from the house scale to the large community level. Text and images describe each feature and its effect on sustainability. All features are linked to the set of case studies where they are shown with pictures, drawings or diagrams. A list of references supports each aspect of community design along with Internet connections to many original sources. This component of the disc provides an extensive and comprehensive check list of all the elements that need to be considered in the design of a sustainable community. The visual descriptions of these elements would assist a designer in setting a starting point for a planned new community. Visualizing the attributes of a sustainable community can also help gauge consumer reaction. The disc includes a complete questionnaire, in a sequence of electronic images, that can be used as a means of exploring the market for innovative community features which cannot be found and experienced in real life settings.

Gardner, Gary T. and Sampat, Payal. **Mind Over Matter: Recasting the Role of Materials in Our Lives.** Worldwatch Paper; 144. Washington, DC: Worldwatch Institute, c1998. Description 60 p. (HC79.E5 G334 1998)

Gwilliam, Michael ... et al. **Sustainable Renewal of Suburban Areas.** York: York Publishing Services for Joseph Rowntree Foundation, c1998. Description v, 87 p. (HT164.G7 S97 1998)

Habitat Design + Consulting Ltd. et Archemy Consulting Ltd. **Obstacles réglementaires à l'innovation en habitation.** Ottawa : Société canadienne d'hypothèques et de logement, c1998. Description x, 68, 51 p. (Ca1 MH 98R25f)

Résumé Les innovateurs dans le secteur de l'habitation rencontrent souvent des obstacles réglementaires empêchant la construction de logements novateurs et de démonstration au Canada. Ces obstacles peuvent ralentir la réalisation d'un projet et en augmenter considérablement le coût. Parfois, ces obstacles peuvent freiner tout élan visant la mise en oeuvre de logements nouveaux, sains et respectueux de l'environnement. Le présent rapport expose les obstacles réglementaires rencontrés dans la mise en oeuvre de sept projets de maison saine non traditionnelle entrepris à travers le pays entre 1992 et 1997; de plus, il donne des renseignements tirés de brefs examens de 14 autres maisons pourvues d'éléments novateurs. Par des entrevues téléphoniques et sur place, on a demandé aux demandeurs et aux responsables de la réglementation de relater l'aménagement du terrain, les éléments novateurs du projet, les étapes du processus d'approbation, le temps qu'il a fallu pour l'obtention des autorisations nécessaires, les problèmes rencontrés et leur solution et les recommandations qui permettraient de simplifier et de rationaliser le processus afin d'aider les demandeurs et la collectivité à réaliser leurs objectifs.

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Habitat Design + Consulting Ltd. and Archemy Consulting Ltd. **Regulatory Obstacles to Innovative Housing.** Ottawa: Canada Mortgage and Housing Corporation, c1998. Description xi, 53, 37 p. (CaI MH 98R25)

Summary Healthy housing, an inclusive approach to developing housing that is environmentally, socially and economically responsible, calls for innovation and is potentially one of the most important challenges facing policy makers, municipal authorities, design professionals and the building industry today. All innovation in a highly regulated field, including housing development and construction, is constrained by existing laws, codes and policies. This report documents the regulatory obstacles encountered in the development of seven unconventional healthy housing projects undertaken across Canada between 1992 and 1997. The report highlights the Vancouver Healthy House (Vancouver, B.C.), the Alberta Sustainable Home/Office (Calgary, AB), the Armour-Crainford House Renovation (North York, ON), the Toronto Healthy House (Toronto, ON), the Innova House (Kanata, ON), the North Mountain House (Arlington, N.S.), and the Slatkoff-Boisclair House and Studio (Gore, QC). In addition, information is provided from brief reviews of 14 other homes with innovative features.

Jones, David Lloyd. **Architecture and the Environment: Bioclimatic Building Design.** Woodstock, N.Y.: Overlook Press, 1998. Description 256 p. (NA2542.35 J65 1998)

Jones, Leslie. **Capter le soleil : techniques solaires passives et modèles de maisons.** 2e éd. Ottawa : Société canadienne d'hypothèques et de logement : Ressources naturelles Canada, c1998. Description 117 p. + CD-ROM (CD-ROM CaI MH 98T17f)

Résumé Ce manuel porte sur tous les aspects à prendre en considération pour concevoir et réaliser des maisons solaires passives : rayonnement solaire, collecte de l'énergie solaire et performance des fenêtres, stockage et diffusion de la chaleur, ombrage et confort en été, points à envisager dans le choix des fenêtres, intégration de la conception et planification de l'emplacement, sur chauffe. Il offre également 20 modèles d'habitations de trois types: maison individuelle, maison jumelée et maison en rangée. En publiant ce manuel, la SCHL veut faciliter l'utilisation de l'énergie solaire dans une habitation. Bien qu'une large part du manuel renferme des renseignements qu'intéresseront les concepteurs et les constructeurs d'habitations, les propriétaires-occupants y trouveront aussi d'utiles conseils pratiques et une introduction à l'énergie solaire en général. Comprend un CD-ROM renfermant les éléments suivants: -l'Aide-mémoire du confort intérieur, un programme tournant sur Excel qui évalue la bonne surface de fenêtre pour une maison dont on planifie la construction; -le manuel de l'utilisateur du logiciel; -la base de données qui dresse la liste des fabricants de fenêtres, de leurs gammes de produits et de toutes leurs spécifications, y compris les données relatives aux gains solaires et aux déperditions thermiques; -des fichiers sur la maison saine renfermant de l'information utile sur la conception d'habitations fondée sur les cinq principales de la Maison saine; on y trouve les images et des descriptions graphiques de la Maison saine de la SCHL à Toronto, laquelle illustre l'utilisation concrète de techniques solaires passives; -le manuel Capter le soleil : Techniques

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solaires passives et modèles de maisons proprement dit, lequel est pleinement interrogeable; et -les modèles de maisons.

Jones, Leslie. **Tap the Sun: Passive Solar Techniques and Home Designs.** 2nd ed. Ottawa: Canada Mortgage and Housing Corporation: Natural Resources Canada, c1998. Description 117 p. + CD-ROM (Cd-rom CaI MH 98T17)

Summary This book covers all aspects to consider with respect to passive solar house designs and techniques: solar radiation, solar energy collection and window performance, heat storage and distribution, shading and summer comfort, window selection considerations, design integration and site planning, overheating. It also includes 20 sample house designs of three varieties: detached; semi-detached and townhomes. The purpose of this book is to help make the best use of the sun's energy in a home. While much of the book contains information of interest to house designers and builders, homeowners will also find it valuable for its practical tips and as a primer on solar energy in general. Includes a CD-ROM that contains the following: -the Comfort Design Checker Software, an Excel-based program that estimates the appropriate window area for a planned house; -the 1998 program's user manual; -a database that lists window manufacturers and their product lines with all their specifications including data relevant to solar heat gain and heat loss; -Healthy Housing files containing useful information on house design based on five Healthy Housing principles. These include images and graphic descriptions of CMHC's Healthy House in Toronto, which illustrates passive solar techniques in use; -the Tap the Sun: Passive Solar Techniques and Home Designs book itself, which is fully searchable; and -the house designs.

Kur, Friedrich. **L'habitat écologique : quels matériaux choisir?** Traduit de l'allemand par Daniel Béguin ; adaptation de Maxime Tassin. Mens, France : Terre vivante, c1998. Description 191 p. (TD196.B85 K87 1998)

Maldonado, Eduardo Alberto Baptista and Yannas, Simos, eds. **Environmentally Friendly Cities: Proceedings of PLEA 98, Passive and Low Energy Architecture, Lisbon, Portugal, June 1998.** London: James & James, 1998. Description viii, 691 p. (TH7413 I555 1998)

Marbek Resource Consultants Ltd. **Promoting Healthy Housing and Energy Efficiency Approaches in Major Home Renovations: A Case Study Analysis: Final Report.** Prepared for Research Division, Canada Mortgage and Housing Corporation. Ottawa: The Division, 1998. Description ii, 29 p. + appendix (CaI MH110 98P63)

Summary The current and potential interest of renovating homeowners and renovation professionals in Healthy Housing concepts and approaches was explored through a set of twelve detailed case studies of recent renovations. For each renovation, an analysis of opportunities to integrate Healthy Housing approaches and features was used as a basis for exploring the issues in a concrete way. The intent was to gain insights on ways to better motivate and inform homeowners and professionals about how to improve renovations in relation to the Healthy Housing objectives of energy efficiency, air quality/occupant health,

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resource efficiency, environmental responsibility, and affordability/adaptability. Based on the research, it appears that a limited number of Healthy Housing features have become, or are becoming, relatively common in renovations. On the other hand, awareness of many other Healthy Housing features was very low amongst both the homeowners and the renovation professionals interviewed. While it would likely be difficult to motivate and inform most homeowners to the point where they proactively make Healthy Housing choices -- especially in decisions related to building systems versus finishes -- many homeowners may be interested in simple tools that would provide them with a basis for raising Healthy Housing issues with their renovation professionals. Similarly, while renovation professionals may not see direct competitive advantage in promoting Healthy Housing approaches and options, many would likely be willing to provide objective (third party) information on Healthy Housing options to clients. The research points to a number of formats and venues for informing renovating homeowners and renovation professionals, and provides a set of recommendations on how to target efforts.

Meadows, Dru and Bell, Charles E. **The Green Home Product Guide: Fast and Easy Ratings & Room by Room References for the Green Homebuilder.** Tulsa, Okla.: theGreenTeam, 1998. Description 1 v. (unpaged) (TD196.B85 M32 1998)

Mobbs, Michael. **Sustainable House: Living for Our Future.** Marrickville, Australia: Choice Books, c1998. Description 187 p. (TH4812 M62 1998)

Murphy, Pamela, ed. **Solar Energy Activities in IEA Countries, 1997: A Report of the IEA Solar Heating and Cooling Programme.** S.l.: IEA Solar Heating & Cooling Programme; Washington, D.C.: Morse Associates, Inc., 1998. Description 125 p. (ZZ ED120 98552)

National Renewable Energy Laboratory (U.S.). **Energy Savers: Tips on Saving Energy & Money at Home.** Washington, D.C.: Dept. of Energy, c1998. Description 33 p. (US1 EM 98E57)

Noorman, Klaas Jan and Uiterkamp, Ton Schoot, eds. **Green Households?: Domestic Consumers, Environment, and Sustainability.** London: Earthscan, 1998. Description xv, 267 p. (TD195.E25 G797 1998)

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Roberson, Judy A. ... et al. **Recommended Ventilation Strategies for Energy-Efficient Production Homes.** Berkeley, Calif.: Ernest Orlando Berkeley National Laboratory, University of California, 1998. Description vi, 48 p. (TH7684.D9 R43 1998)

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- Rogers, Richard George. **Cities for a Small Planet.** Edited by Philip Gumuchdjian. Boulder, Colo.: Westview Press, 1998. Description xi, 180 p. (HC79.E5 R64 1998)
- Romaya, Sam and Rakodi, Carole, eds. **Building Sustainable Urban Settlements: Approaches and Case Studies in the Developing World.** Selected papers from the 15th Inter-Schools Conference on Development, held in Cardiff, 29-31 March 1998. Urban Management Series. London: ITDG Pub., 2002. Description xix, 299 p. (HT169.5 I58 1998)
- Roseland, Mark; Cureton, Maureen; and Wornell, Heather. **Toward Sustainable Communities: Resources for Citizens and Their Governments.** 2nd completely rev. and updated ed. Gabriola Island, B.C.: New Society Publishers, c1998. Description xiv, 241 p. (HT169.C3 R68 1998)
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- Schauberger, Viktor. **The Water Wizard: The Extraordinary Power of Natural Water.** Eco-technology Series; v. 1. Translated and edited by Callum Coats. Bath (England): Gateway Books, 1998. Description vi, 218 p. (TC147 S34 1998)
- Schnurr, Jamie and Holtz, Susan, eds. **The Cornerstone of Development: Integrating Environmental, Social, and Economic Policies.** Ottawa: International Development Research Centre; Boca Raton, Fla.: Lewis Pub., c1998. Description viii, 312 p. (HC79.E5 C664 1998)
- Sheldon, Christopher and Sutton, Philip, eds. **Getting Real: The Business of Sustainable Development.** Greener Management International; issue 23 (autumn 1998). Sheffield: Greenleaf Publishing, 1998. Description 159 p. (HC79.E5 G47 1998)
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