Municipal Governments and Sustainable Communities:

A BEST PRACTICES GUIDE

2004

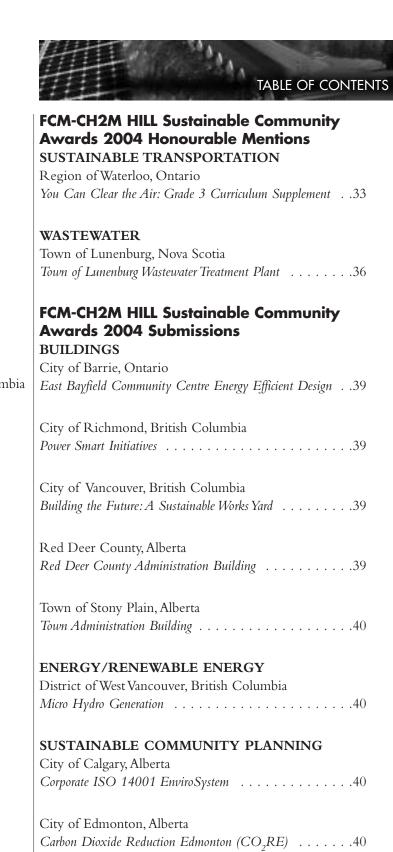
FCM-CH2M HILL
Sustainable Community Awards

CH2MHILL



Canadä





Introduction	FCM-CH2M HILL Sustainable Community
Letter from the President,	Awards 2004 Honourable Mentions
FCM	SUSTAINABLE TRANSPORTATION
	Region of Waterloo, Ontario
Letter from the President, CH2M HILL Canada4	You Can Clear the Air: Grade 3 Curriculum Supplement33
	WASTEWATER
FCM-CH2M HILL Sustainable Community	Town of Lunenburg, Nova Scotia
Awards 2004 Winners	Town of Lunenburg Wastewater Treatment Plant
BUILDINGS City of White Rock, British Columbia	
City of White Rock Operations "Green Building" 5	FCM-CH2M HILL Sustainable Community Awards 2004 Submissions BUILDINGS
ENERGY/RENEWABLE ENERGY	City of Barrie, Ontario
Greater Vancouver Regional District (GVRD), British Columbia Turbogenerator Installation at the Waste-to-Energy	East Bayfield Community Centre Energy Efficient Design39
Facility (WTEF)	City of Richmond, British Columbia Power Smart Initiatives
SOLID WASTE	2000, 60000 20000000
City of Selkirk, Manitoba	City of Vancouver, British Columbia
Solid Waste Management Plan	Building the Future: A Sustainable Works Yard
SUSTAINABLE COMMUNITY PLANNING	Red Deer County, Alberta
City of Greater Sudbury, Ontario EarthCare Sudbury Local Action Plan	Red Deer County Administration Building
SUSTAINABLE COMMUNITY PLANNING	Town of Stony Plain, Alberta
Town of Banff, Alberta	Town Administration Building
Local Action Plan for Addressing Energy Management &	
Greenhouse Gas Emissions	ENERGY/RENEWABLE ENERGY
	District of West Vancouver, British Columbia
SUSTAINABLE TRANSPORTATION	Micro Hydro Generation
City of Edmonton, Alberta	
Ribbon of Steel—A Multi-use Trail and Streetcar Corridor21	SUSTAINABLE COMMUNITY PLANNING City of Calgary, Alberta
WASTEWATER	Corporate ISO 14001 EnviroSystem
City of Thunder Bay, Ontario	
Pollution Prevention and Control Plan	City of Edmonton, Alberta Carbon Dioxide Reduction Edmonton (CO ₂ RE)
WATER	
Town of Markham, Ontario	City of Hamilton, Ontario
Official Plan Amendment: Rouge North Management Area .27	Vision 2020: Building a Strong Foundation (BASF) Phase I
WATER	
Niagara Region, Ontario	City of North Vancouver, British Columbia
Niagara Water Quality Protection Strategy (NWQPS) 30	City of North Vancouver's Official Community Plan (OCP)41

TABLE OF CONTENTS

City of Ottawa, Ontario	SUSTAINABLE TRANSPORTATION
Ottawa 20/20 Growth Management Strategy	City of Brampton, Ontario
	Environmental Stewardship Program: Focus on
District of North Vancouver, British Columbia	Renewable Biodiesel Fuel
Maplewood Eco-Industrial Partnership Project	
	City of Montreal, Borough Saint-Laurent, Quebec
Municipality of Chelsea, Quebec	Saint-Laurent Commuter Management Centre
Chelsea's Strategic Development Plan	
continue consider zerouponem 1 mm 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	City of Richmond, British Columbia
Regional Municipality of Peel, Ontario	Community Mobility Strategy
Managed Competition Process	
vianagea Compension Frocess	WASTEWATER
CW 1 0	City of Burnaby, British Columbia
Region of Waterloo, Ontario	Byrne Creek and South Burnaby Watersheds: Business
Planning Our Future: Regional Growth Management	Surveillance, Inspection and Education Program
Strategy (RGMS)	Sinventance, Inspection and Lancation Freguent 1.1.1.1.10
	City of Chilliwack, British Columbia
Town of Milton, Ontario	Designing with Nature and Walking the Talk—Water Balance
Eco-Tech Village Pilot Project: Urban Design Charette42	Management and Sustainable Subdivision Design
	Wanagement and Sustainable Subdivision Design
SOLID WASTE	
Cariboo Regional District, British Columbia	City of Sarnia, Ontario
Garbage on the Rocks: Redeveloping an Industrial Site	Stormwater Management Facility
nto a Sustainable 3P Landfill	
	City of Saskatoon, Saskatchewan
City of Medicine Hat, Alberta	Southeast Sector Storm Water Management Master Plan 46
Frac Sand Recycling Project	
	WATER
City of Prince Albert, Saskatchewan	City of Moncton, New Brunswick
Solid Waste Management System	Watermain Cleaning and Epoxy Lining Project
seem music 12 mingement equiem 1 min	
City of Toronto, Ontario	City of Surrey, British Columbia
Green Bin Program and Yellow Bag Programs	Serpentine-Nicomekl Lowland Flood Control Project 47
Green Din Frogram and reason Day Frograms	
	Greater Vancouver Regional District (GVRD), British Columbi
City of Winnipeg, Manitoba	The Little Mountain Reservoir Reconstruction
Easy Access for All: Residential Recycling Program	The Lame Momman Reservon Reconstruction
	Designal Manisipality of Halton Outside
Regional Municipality of Halton, Ontario	Regional Municipality of Halton, Ontario
Non-Profit Diversion Credit for Reuse Subsidy Policy44	Water Meter Change Out Program
Regional Municipality of Peel, Ontario	Strathcona County, Alberta
Three Bag Standard Program	Regional Water Customer Group (RWCG)
Sunshine Coast Regional District, British Columbia	Township of Langley, British Columbia
Solid Waste Management Plan: A Road Map to Sustainability .44	Water Wise Public Education Program for Sensitive
0 1 1	Groundwater Areas



FCM-CH2M HILL Sustainable Community Awards Best Practices Guide 2004

Each year, case studies of all submissions to the FCM-CH2M HILL Sustainable Community Awards that win or receive honourable mention are published in this Best Practices Guide for distribution to municipal governments across Canada. The Guide also includes summaries of all other submissions received.

The Awards Best Practices Guide 2004 is available electronically through FCM's Sustainable Communities Knowledge Network at: http://kn.fcm.ca. Click on FCM-CH2M HILL Sustainable Community Awards on the left navigation bar. For copies in other formats, please send your request to communities@fcm.ca.

Cette publication est disponible en français sous le titre *Prix des collectivités viables* FCM-CH2M HILL : Guide des pratiques exemplaires 2004.

Honouring excellence and innovation in municipal service delivery that contributes to a sustainable future

Across Canada, municipal governments are taking actions that reveal a deeper understanding of sustainable community development. Truly sustainable projects start with a shift from one-project, "silo" thinking to a more holistic, integrated approach where economic, social and environmental factors are inextricably linked.

These actions are celebrated each year with the FCM-CH2M HILL Sustainable Community Awards.

The Centre for Sustainable Community Development, housed at the Federation of Canadian Municipalities (FCM), encourages leadership and innovation using sustainable principles and practices. The Centre offers programs to build capacity and encourage best practices, such as Partners for Climate Protection and Community Energy Missions; financial assistance through the Green Municipal Funds' grants and loans; and networking Tools such as the Sustainable Communities Knowledge Network at http://kn.fcm.ca

CH2M HILL, one of Canada's largest full-service engineering firms, offers a wide range of design, engineering and environmental services in water and wastewater, environmental remediation, energy and industrial systems, telecommunications and transportation.

CH2M HILL is committed to the principles of sustainability and is working, both within the organization and with clients, to integrate the concept of sustainable development into all projects and corporate activities.

CH2M HILL also supports the American James C. Howland Awards for Municipal Enrichment, managed by the National League of Cities, to recognize the contribution of cities and towns towards improving environmental quality of life. Profiles of winners are available at http://www.nlc.org.

Sponsorship

The Government of Canada, through the Climate Change Action Fund, also supports the Awards through funding for Partners for Climate Protection.

Additional sponsorship is also provided by Transport Canada and FCM's Green Municipal Funds.

For more information about participating as a sponsor, contact the FCM Awards Office at:

FCM-CH2M HILL Sustainable Community Awards c/o Federation of Canadian Municipalities 24 Clarence Street Ottawa, ON K1N 5P3

E-mail: awards@fcm.ca

Tel: (613) 241-5221 Ext. 264

Fax: (613) 244-1515