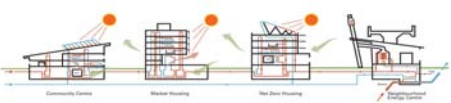


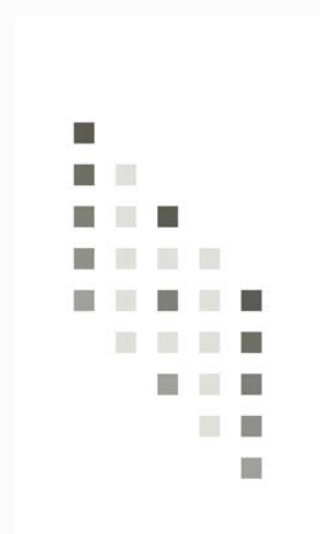


THE CHALLENGE SERIES

Millennium Water: The Southeast False Creek Olympic Village Vancouver, Canada



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roger bayley inc

5735 Telegraph Trail
 West Vancouver, British Columbia
 V7W 1R1
 (604) 290-4749
 roger@rogerbayley.com



THE CHALLENGE SERIES

Millennium Water:

The Southeast False Creek Olympic Village
Vancouver, Canada

The Challenge Series tells the story of the largest sustainable community in North America, Vancouver's Olympic Village at Southeast False Creek - Millennium Water. It focuses on the visioning, planning, design and construction processes, celebrating collaboration and innovation in the name of sustainable community development.

The Challenge Series is a resource to educate and inspire communities, professionals, residents, builders and community leaders, seeking to create meaningful opportunities out of the challenges of climate change and resource depletion.

Available in seven installments, The Challenge Series is available online at www.thechallengeseries.ca. The Challenge Series is also available as a high quality book printed on recycled paper using sustainable printing techniques. Priced at \$56.50 per Series, book orders may be made by contacting Roger Bayley.

Roger Bayley Inc.
5735 Telegraph Trail
West Vancouver, British Columbia
V7W 1R1
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roger@rogerbayley.com
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Millennium Water: The Southeast False Creek Olympic Village

Vancouver, British Columbia, Canada



Chapter One: History + Policy sets the stage for The Challenge Series, exploring the industrial history of Southeast False Creek and the origins of the guiding sustainable community vision.



Chapter Two: Planning and Olympics looks at the creation of the Official Development Plan for SEFC, and how this became the site of the 2010 Winter Olympic Village. This chapter is about shifting into high gear as a design team is chosen for an Olympic scale task under an extremely tight deadline.



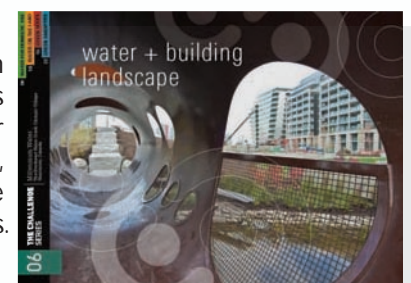
Chapter Three: Public Space + Infrastructure examines SEFC's public realm. Beginning with the environmental remediation of an industrial brown field, the chapter explores the project's variety of public spaces, community amenities and parks.



Chapter Four: Architecture explores the architectural detail of the project, including building envelopes, social sustainability, passive design and community courtyards. A special section outlines Arthur Erickson's legacy.



Chapter Five: Energy demonstrates the project-wide efforts to reduce energy consumption. Topics include sewer heat recovery, solar hot water, Net Zero building, radiant heating and cooling, and in-suite meters that encourage occupants to reduce their energy footprint.



Chapter Six: Water + Building Landscape looks at how we can build communities that manage water sustainably. Topics include stormwater management, rainwater collection for toilet flushing and irrigation, water metering, green roofs and the role of urban agriculture in sustainable communities.



Chapter Seven: Living Today + Tomorrow explores sustainable living – today, in the Millennium Water Olympic Village, and into the future. Healthy building measures and the concept of Net Zero are evaluated. From there, we pose questions for the future: net zero, closed-loop everything? Can sustainable development help restore and protect the planet we call home? What have we learned, and what are the next steps?



It's a long term process to change our society. We're experimenting, we're learning some things, and we're educating. I don't know what the outcome will be, but I think we're changing our society in ways that are really positive.

-John Clelland, City Engineer

We wanted to change the entire way that urban planning was done.

-Graham McGarvin, VIA Architecture

It's a complete story, and it's rare that you get to see or hear that in any project.

-Nick Milkovich, Architect

If we get the same type of energy savings in all buildings as we do in Millennium water, it would have the same effect as taking every car, bus, train and airplane off the road and out of the sky.

-Hank Jasper, Millennium SEFC Project Manager

People are really interested to know how something happened, the process of how it happened

-Margot Long, PWI Landscape Architects

It's a huge collective effort, and I think it's important that gets acknowledged and remembered and documented.

-Andy Geldard, ARB gBL Architects

It's very well written, very well put together, and it provides a very good overview of everything that happened.

-Peg MacDonald, VIA Architecture

I think this is going to work. And that's why people need to know about it.

-Ian Smith, SEFC Project Office Development Manager

Millennium Water provides an example to all of us. Whether it's the non-market housing, the waterfront walkway, or the way water is treated, it helps us recognize that we can create incredibly beautiful communities that are healthy environmentally.

-Premier Gordon Campbell

We've been able to engage in all kinds of behaviours in the last 40-50 years because there didn't seem to be any consequences. At Southeast False Creek, the herring have quietly moved back in. They represent the natural capital upon which everything on this planet is dependent, especially humans. There is no finer acknowledgement than that.

-Patrick Lucey, Ecologist

It has been a Challenge

www.thechallengeseries.ca: 50,000 page hits from 106 countries

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The Challenge Series Team



The Challenge Series team onsite
May 2009
From left: Sarah Cheevers-Northcott,
Rachel Moscovich, Sarah Hay
and Roger Bayley

**The Challenge Series Team is a group of individuals with diverse backgrounds and a common interest in moving toward a sustainable future.
The Challenge Series project is a product of collective experience as educators, consultants, designers, writers, editors and engineers.**

Roger Bayley, Principal, Roger Bayley Inc.

Roger, a founding partner of Merrick Architecture, acted as the Design Manager for Millennium Water: SEFC and was the catalyst behind The Challenge Series.

Sarah Cheevers-Northcott, Project Manager and Writer

Sarah Hay, Communications Coordinator

Rachel Moscovich, Project Manager and Writer

Nina Winham, Editorial Director and Writer

Danny Singer, Photographer

Ashlee Jollymore, Public Relations

Grace Tang, Asian Marketing

Mizu Creative, Web and Graphic Design

Bluelime Media, Web Development

**For book orders and/or general queries,
please contact Roger Bayley at
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West Vancouver, British Columbia
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