

FLATIRON

Bugs, Bunnies, and ...Better Bridges?

Dee Patriquin, Flatiron Constructors Canada





Outline

- Introduction
- Flatiron Sustainability Plan
- Key Goals and Commitments
- The 'Biodiversity Challenge'
- Results
- Lessons Learned

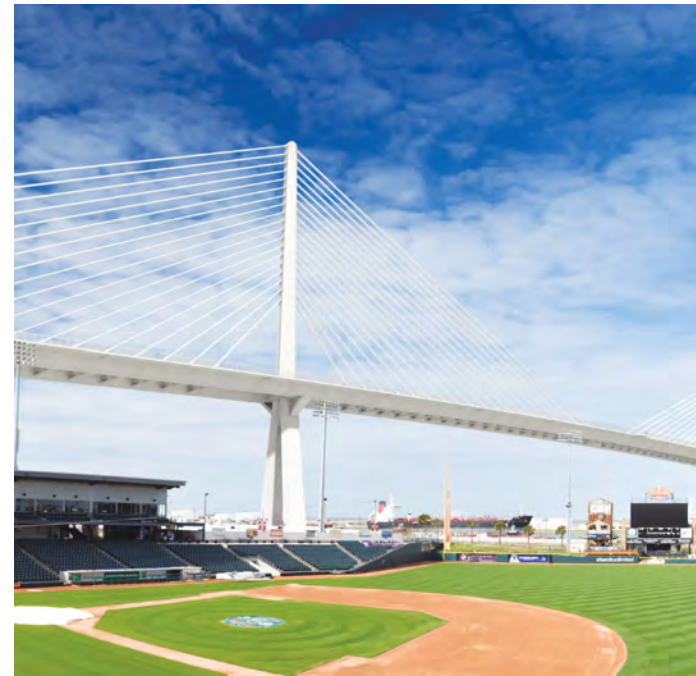
Introduction

Flatiron Constructors Canada

- Subsidiary of HOCHTIEF, and part of Flatiron Construction Corp.
- HOCHTIEF Sustainability Plan and ESG targets – response to global initiatives

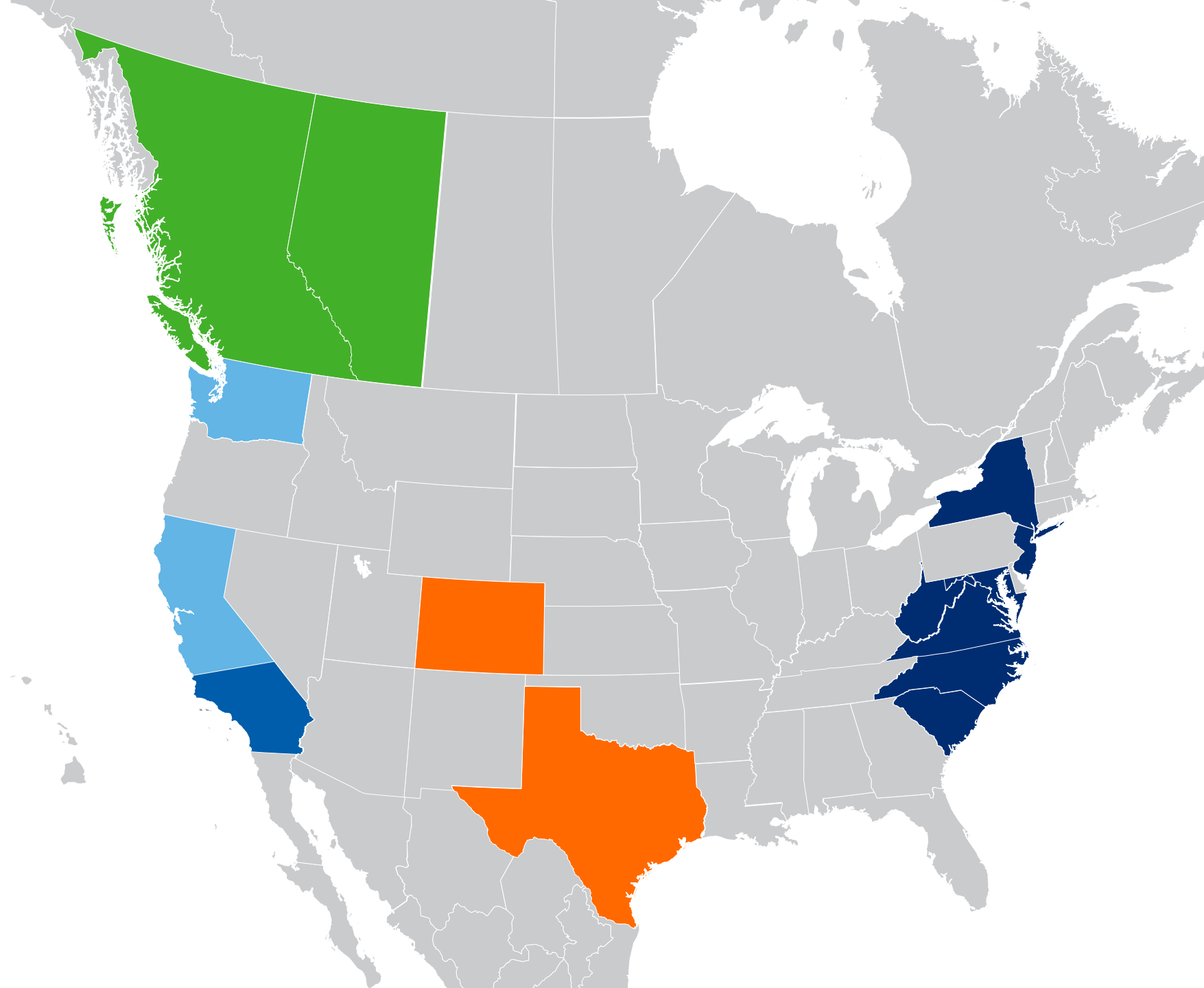
Build a sustainability culture by embedding ESG into business strategy, and project planning and delivery

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Flatiron Divisions

- Canada
- Northwest
- Central
- Southwest
- East Coast



Our Ongoing Commitment

Beyond delivering outstanding projects, Flatiron people demonstrate ongoing commitment to safety and learning, sustainability, our clients and partners, and the communities where we live and work.

We build long-term, collaborative relationships with project owners, partners and specialty contractors. We enhance the well-being of the communities where our projects take place

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Safety



Environment



Partnering



Community



Safety

A HOCHTIEF Company



SUSTAINABLE DEVELOPMENT GOALS

17 GOALS TO TRANSFORM OUR WORLD



Introduction

What's driving change?

- UN Sustainable Development Goals (2030 objectives) and UN Global Compact
 - HOCHTIEF identified actions for 15 of 17 UN 2030 Sustainability Goals
 - Global leadership initiative
 - Compliance influencing financing, access to capital

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Environmental

Flatiron Commitments

Global Environmental Management

Commitments

✓ Increase the percentage of employees covered by Environmental Management System Certification (ISO 14001) to at least 90% by 2025

Increase awareness and knowledge regarding relevant environmental topics through training at least 50% of the employees by 2025

Zero environmental incidents with severe environmental damage (category 1)





Environmental

Flatiron Commitments

Water Protection

Commitments

Promote water protection on all projects

- Implement water protection plans
- Execute measures in 100% of the projects in water-stressed areas by 2023

Reduce water consumption

- Achieve an annual water recycling/reuse rate of at least 10% of total water withdrawn





Environmental

Flatiron Commitments

Biodiversity & Ecosystems

Commitments

Create awareness and preserve biodiversity and ecosystems on all projects

- Implement biodiversity management action plans, and execute corresponding measures in 100% of the projects in environmentally sensitive areas by 2023.

Establish and implement long-term initiatives to proactively preserve ecosystems and increase biodiversity

- Pilot projects to raise awareness and contribute to conservation





Biodiversity Management Progress

HOCHTIEF Group Achievements 2022:

- ✓ Established international **working group** including **best-practice sharing**
- ✓ Completed and published HOCHTIEF Group **Position Paper**
- ✓ Completed HOCHTIEF Group **Management Action Plan Framework**

Flatiron Activities 2023:

- All projects located near environmentally sensitive areas (e.g., National or Provincial Parks) will develop a **Biodiversity Management Plan**.
- Complete **staff training** in biodiversity management for all projects

Water Management Progress



HOCHTIEF Group Achievements 2022:

- ✓ Established group-wide **Working Group** including **best-practice sharing**
- ✓ Completed and published Group **Position Paper**
- ✓ Completed Group **Management Action Plan Framework**
- ✓ Completed **guidance manual**

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Flatiron Activities 2023:

- Implement **Water Protection Plans** for each District
- Support water use **reduction and recycling**, especially in global water stressed regions



Flatiron Biodiversity Challenge – Pilot

Two week program Jan 23– Feb 5:

- Email info sharing (one week)
- Daily surveys, 4-5 questions per survey
- iNaturalist observation contest (two weeks)
- Prizes: Survey contest and iNaturalist contest

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Biodiversity Survey

Topics covered the 'biodiversity basics':

- What's Biodiversity?
- What are the Benefits of Biodiversity?
- Why Care? Rate of Biodiversity Loss
- What is Causing Loss?
- What Can We Do?

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iNaturalist Contest

iNaturalist citizen app platform

- Register as user
- Add picture or sound recording observations
- Tallied results for Flatiron 'Project'
- Can be expanded for on-going use

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The screenshot shows the 'Flatiron Biodiversity Challenge' page. At the top, there's a green header with the text 'Flatiron Biodiversity Challenge' and the dates 'JAN 23, 2023 - FEB 5, 2023'. To the right, there's an 'About' section with a brief description and a 'Read More >' link. Below the header, there's a navigation bar with 'Overview' selected, and statistics for '6 OBSERVATIONS', '5 SPECIES', '8 IDENTIFIERS', and '4 OBSERVERS'. A 'Stats' button is also visible. Below the navigation bar, there's a 'Recent Observations' section with a 'View All' button. The observations are displayed as a grid of four images, each with a small 'RG' tag and a user profile icon.

The screenshot shows the details of an observation. It includes the text 'Observed: Jan 25, 2023 · 5:39 PM CST' and 'Submitted: Jan 30, 2023 · 4:43 PM MST'. Below this is a map showing the location of the observation, with a blue pin placed near Kamsack, Saskatchewan. The map includes labels for 'Veregin', 'Kamsack', 'Hillside', and 'Kamsack Beach'. At the bottom, there's a search bar with the text 'Queen Elizabeth Blvd E, Kamsack,...' and a 'Show' button, along with a 'Details' link.

Survey Results

- 22 participants over 5 days
- About 59% were individuals who worked with the Environment Team in 2022
- 4 of 5 surveys completion rate
- 73% consistent participation over week



Survey: Solutions



Project Level:

- Find ways to promote biodiversity and reduce project cost at the same time.
- Use solar generators more.
- Work with our clients to restore at risk habitats.

Flatiron Internal Level:

- Do a biodiversity survey of projects to set baseline on issues (invasive species, species at risk) to raise awareness.
- Keep doing this – educate people on what biodiversity is and what it means.

Lessons Learned



- Personal connection is invaluable
- Empowerment through knowledge sharing
- Use current projects to highlight actual risks
- Keep it fun! No blame and shame

“Thanks for creating these Dee. They were informative and fun! I actually had no idea what any of this was until reading the emails and watching the videos.”

Next Steps

- Summer biodiversity challenge (June 2023)
- Conservation project involvement
- On-going, personal project support

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Questions?



For further information:

Dee Patriquin

Email: dpatriquin@flatironcorp.com

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