



Building a greener *Alberta* ■

SUSTAINABILITY STANDARDS AND GREEN BUILDING RESULTS

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“With great power comes great responsibility.”

–Uncle Ben, Spiderman



ALBERTANS CARE ABOUT THE ENVIRONMENT

Contrary to what the media focuses on...



PROJECT

GREENING ALBERTA BUILDINGS

GOA OWNED AND SUPPORTED GREEN BLDGS : 63 LEED BUILDINGS - 2 PLATINUM, 24 GOLD, 34 SILVER, AND 3 CERTIFIED. 100+ LEED PROJECTS UNDERWAY,

DATE

FEBRUARY 25, 2014

CLIENT

ALBERTA INFRASTRUCTURE/GOA

Green Building Results

Data from first 50 LEED rated buildings

- * All buildings have used at least 10% regional materials, 42/50 have used 20% regional materials and many have achieved exemplary performance
- * All buildings have used at least 15% Recycled Materials
- * All buildings have used low-emitting materials including: paints, coatings, sealants, carpets, wood products
- * Lesson Learned – durability trade-offs

Some more results...

- * Energy: Government of Alberta buildings use an average of 1.6 GJ/m²/yr
- * We have been lowering our annual per capita energy use for the last 5-7 years (BOMA Best)
- * We use LEED to help us target high energy performance in our new buildings
- * Water: Saving at least 30% on all projects (most are >>30%)
- * Government of Alberta was awarded the Government Leadership Award by the Canada Green Building Council (CaGBC) 2013

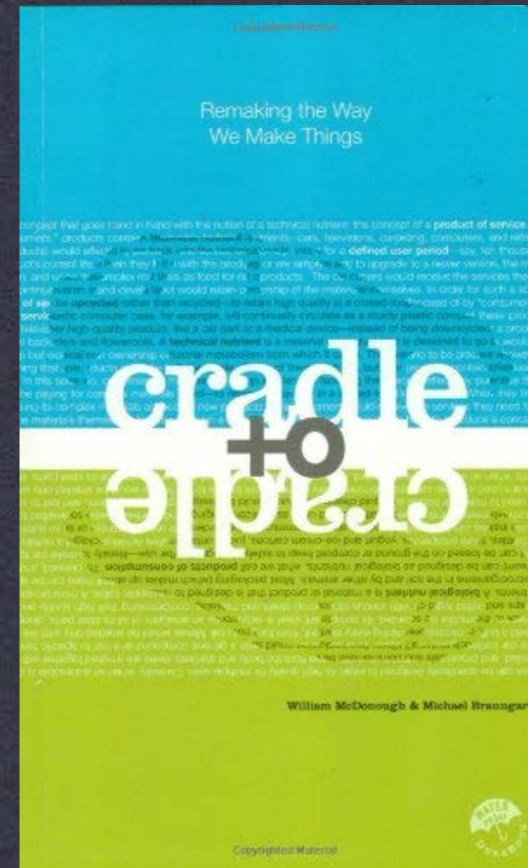
AI's Minimum Standard

- * LEED Silver Certified
- * Design for minimum 40% energy savings
- * Commission - added quality assurance
- * Metering (you can't manage what you can't measure)
- * Use at least 20% regional materials
- * Build a durable, long lasting building with low life cycle cost.



WHAT'S NEXT?

CRADLE TO CRADLE
REGENERATIVE
DESIGN
LIVING BUILDING
CHALLENGE



What can you do?

- * Create earth friendly materials that meet our minimum requirements.
- * Non-toxic
- * Healthy...regenerative
- * Support local industry
- * Proven claims, 3rd party certification



Thank you!

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