







Assessing the Case for Keeping Heritage Buildings on a Brownfield Site

Heritage Canada Foundation 2009 Annual Conference

The Heritage Imperative

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A NEW YORK TIMES BESTSELLER

VICE PRESIDENT

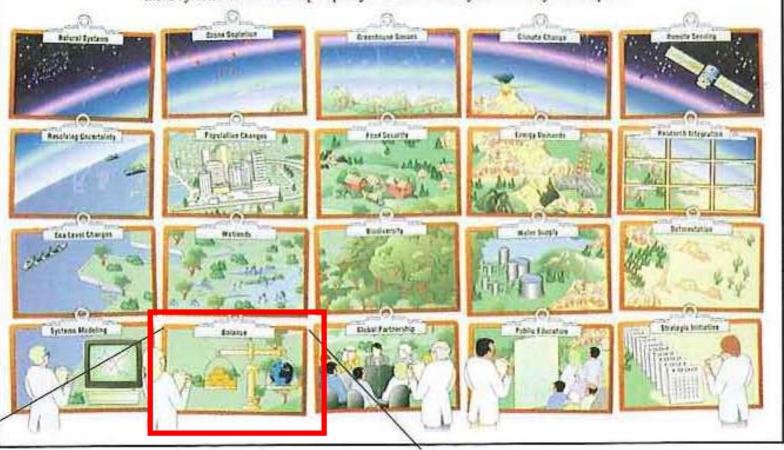
AL GORE

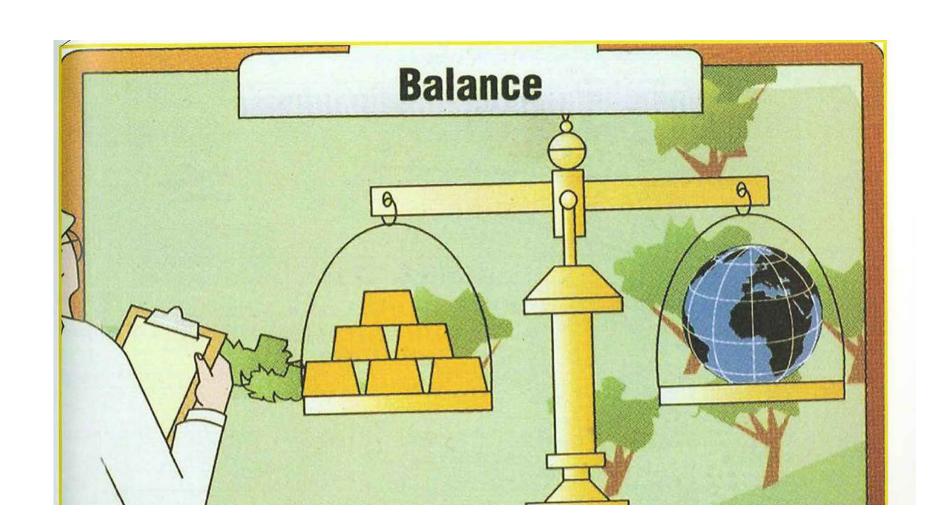


EARTH IN THE BALANCE

Global Stewardship

As global stewards we must advance our knowledge of natural and human systems and manage the integration of these systems to assure the prosperity and sustainability of humanity on this planet















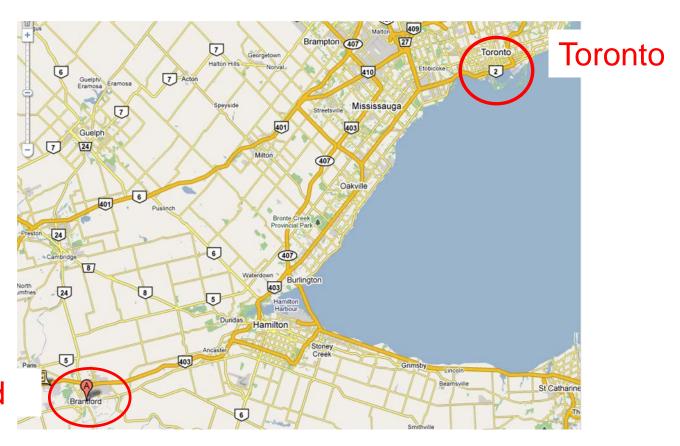






- Case of 4 buildings in Brantford, Ontario on a Brownfield Site
- Built Heritage Perspective
- Understanding Cultural Value
- Assigning Real Dollars to Rehabilitation
- Comparing to New Construction

Brantford

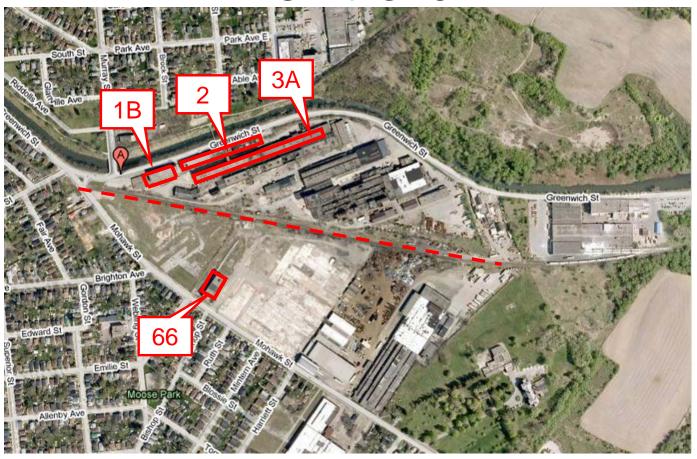


Brantford

Brantford

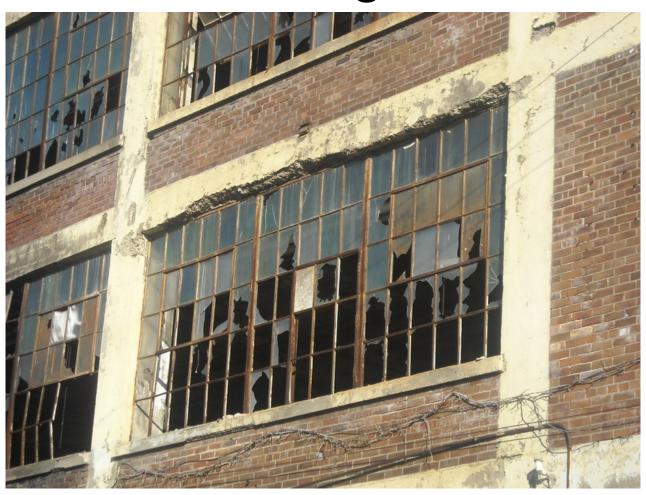


Brantford



















Building 3A



Building 3A



66 Mohawk



66 Mohawk



Existing Conditions

- Local Collapse Affects Overall Structural Integrity
- Ability to Save the Buildings is Compromised by Excessive Exposure to Water
- Ambient Interior Moisture Accelerates
 Deterioration

Development Options

- Do nothing
- Full Rehabilitation and Reuse -Residential
- Selective Demolition (Facadism)
- Full Demolition + New Construction

Immediate Repairs

- Mothball the buildings until a decision is made:
- Shore structure and roofs
- Repair/cover parapets
- Protect windows
- Provide ventilation
- Clear debris inside and out

Immediate Repairs

- "Mothballing"
- \$1.5 million total for all 4 buildings

General Rehabilitation

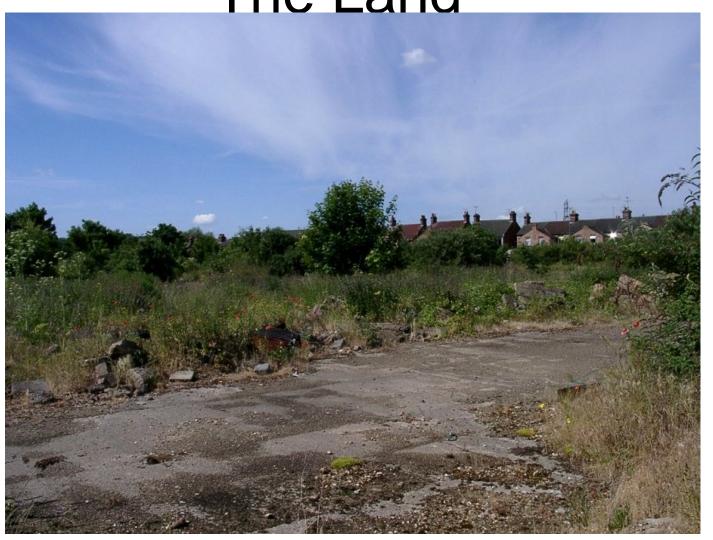
- Repair exterior walls
- Replace/restore the windows
- New/correct roofing
- Finishes, HVAC etc.

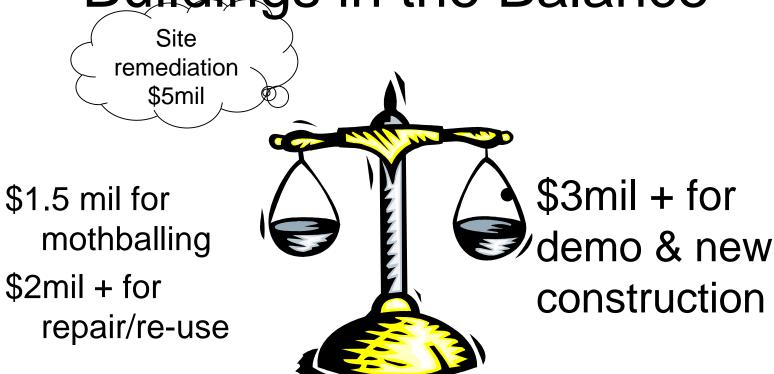
 At least \$2 million (likely more) for envelope and structural repairs only

Demolition and New Construction

 \$660,000 to demolish all 4 buildings

 At least \$3.25million for new structure + envelope to develop into low-income apartments The Land





The "+" is for new HVAC, finishes, etc that would likely be similar for repair or if new construction.

 Building replacement costs don't account for:

- Landfill space + environmental hard and soft costs
- Lost embodied energy
- Loss of cultural and architectural heritage
- Benefits to local economy / restoration trades

Brownfields



- Federation of Canadian Municipalities (FCM)
- Green Municipal Fund (GFM)
- Loan rates advertised at 1.5% lower than Government bond rate

"Brownfield redevelopment can stimulate economic growth and revita \$500 middioms government hure

endowment

Brownfields

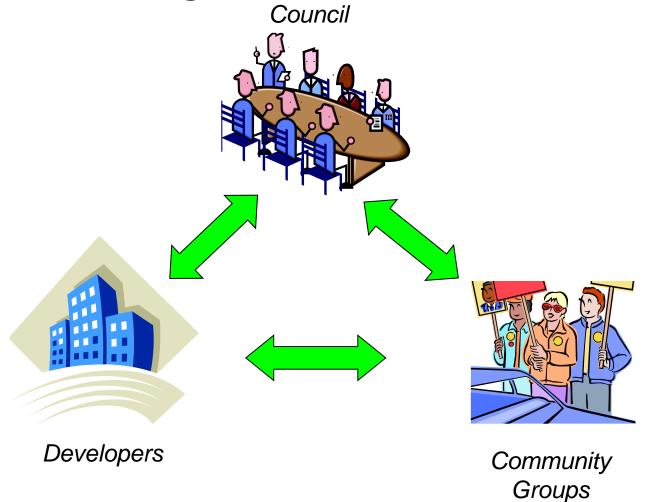
- GMF Tips!
- When remediating/redeveloping a site:
- Use smart growth principals
- Triple Bottom Line site assessment
- Use sustainable methods of demolition and clean-up – natural forms of remediation





















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