



Recent Initiatives Related to Integrating Sustainability and Heritage Conservation

Green Rehabilitation and Sustainability Forum

Cascadia Region Green Building Council+BC Heritage Branch
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Public Works and
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Canada

Overview

PWGSC-Heritage Conservation Directorate:

- Sustainable Heritage Rating System
- Sustainable Heritage Guide
- Green Heritage Projects

Parks Canada- Historic Places Initiative:

- Forum on Sustainable Heritage Conservation Initiatives
- Sustainable Historic Places: a Background Paper
- Standards and Guidelines for the Conservation of Historic Places in Canada- second edition

Sustainable Heritage Rating System- 1

- Intended for use on PWGSC heritage properties
- Based on Green Globes Existing Buildings /Design
- Intended to be an online tool, links to related references such as *Standards and Guidelines*
- Collaboration with ECD Energy and Environment, PWGSC Environmental Services / Office for Greening Government and private sector consultants
- SHRS ‘Guidance Document’ available for consultation

Sustainable Heritage Rating System- 2

Scoring

20% (was 0%)	Heritage/Socio-cultural sustainability
5% (was 5%)	Environmental Management
8% (was 11.5%)	Site
28% (was 38%)	Energy
6.5% (was 8.5%)	Water
11.5% (was 10%)	Resources, Building materials+ Waste
6.5% (was 7%)	Emissions, Effluents + Other impacts
14.5% (was 20%)	Indoor environment
100%	Total

Sustainable Heritage Rating System- 3

Strategies:

- Integrated Design Process includes conservation specialists
- Identifying historic sustainability characteristics
- Understanding and documenting existing performance
- Using appropriate technologies
- Following principles of minimal intervention in maintenance, repair and adaptation
- Design durable upgrades or additions with a compatible service life

Sustainable Heritage Guide

- For PWGSC property + project managers
- Based on lessons learned from the SHRS
- Challenge of providing guidance on rating systems
- Guidance for typical environmental objectives
- Documenting available references
- Draft document to be finalized in 2009

Green Heritage Projects: For ex. the Library of Parliament

- Reusing the building materials and site
- Diverting CRD waste by 82% (15,000 cubic yards),
- Removal of toxic materials (lead and asbestos)
- Materials salvaging (copper) for new use
- Durable replacement materials
- Upgrading mechanical and lighting systems
- Improving temperature and RH controls
- Adding new thermal windows at each opening

Forum on Sustainable Heritage Conservation Initiatives

Parks Canada Historic Places Branch led initiative

- One day meeting on February 27, 2008
- Participants:
 - Parks Canada, PWGSC, Heritage Canada, RAIC, Athena, CaGBC, NRCan, CMHC, Evergreen
- Scoping related initiatives:
 - research, projects, training, publications, policy, standards, etc

Sustainable Historic Places: A Background Paper

Parks Canada Historic Places Branch led initiative

- Authored by Susan Ross and Andrew Powter, HCD-PWGSC, in Feb.2005
- Updated January 2008
- Available in English and French

Standards and Guidelines for the Conservation of Historic Places in Canada

Parks Canada Historic Places Branch led initiative

Second edition, coordinated by HCD-PWGSC 2007-09,
Planned publication in 2010

Includes integration of sustainability considerations:

- Throughout the conservation decision-making cycle
- Connecting common principles
- Addressing cultural landscapes, districts, ecosystems
- Fully integrating guidelines for energy efficiency and other sustainability based interventions



Thank You!

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