NRCan Infrastructure Gap, and a Case Study

National Executive Forum on Public Property

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NRCan Portfolio and Funding Gap

Current Portfolio
331,000 m²

- 232: Owned
- 65: PWGSC
- 50: Leased

Owned Inventory
- Highest risk
- Average age 45 years+
- $1.1B replacement
- 247 buildings, many small facilities across the country

Rationalization strategy required

NRCan RP Funding Deficit

- Capital: 22 (TB Recommended) vs. 2.7 (NRCan Actual)
- Repair and Mtce: 22 (TB Recommended) vs. 1.6 (NRCan Actual)
Research and Innovation

- Research models are changing – more collaboration
- Federal science programs are adapting – strengthening partnerships
- Closer physical collaboration – sharing of facilities, equipment and highly qualified staff
- Unique supply solutions are emerging

Federal Science Programs Are Evolving
Demand/Supply Equation Is Changing

Government
Industry
University
Case Study for CANMET Materials Technology Lab

MTL Mission: Improve the competitive, social and environmental performance of Canadian enterprises...

“[MTL]-- is a completely unique facility in Canada and of such a scope and capability level that it has not been duplicated at any other facility---- it is fair to say that it is probably unique in North America, if not the world.”

- A case for relocation, based on Science Policy and Program need
- Partnerships with Academia and Industry, to position Canada in competitive global environment
- Aging inventory, high-maintenance equipment, few spare parts, difficult to upgrade, inadequate budget for capital equipment renewal,
Relocation rationale: partner proximity

- More than 450 auto parts manufacturers
- Five automotive assembly plants
- Two major steel companies
- Four major university partners, eight colleges

- Nine auto parts manufacturers
- No automotive assembly plants
- No major steel companies
- No major university partners, three colleges

- Colleges and universities
- Automotive assembly plants
- Auto parts manufacturing
- Major steel producers
Instruments that guide the relocation project

- Business Case and TB Submission
  - New facility - Lease Project Approval
  - New scientific equipment
- Project Charter
- Lease Agreement
  - McMaster provides land
  - McMaster Innovation Park (developer) - responsible for design, construction, operation and maintenance
  - NRCan signs 25 year lease and operating agreement
- Research Agreement - defines collaborative approach
  - Administration, security, use, access…
- LEED Platinum facility
Proposed Site Plan

McMaster Campus

MTL’s New Building
Benefits

Program

- MTL program is sustained for the future
- Excellence in science research and policy development
- Partnerships support new S&T policy – government, academia, industry

Capital Infrastructure

- Rust out addressed
- New opportunities are presented
  - Disposal and Redevelopment – portfolio rationalization
  - Savings
  - HR renewal
Conclusion

- Programs define demand
- Current supply threatens program delivery
- Innovative partnerships result in new demand models
- New supply options need to keep pace
- Infrastructure gap can be reduced
  - Portfolio rationalization
  - Non-custodial role for government