

Recommissioning (RCx) Pre-Screening Tool

Project name	Valour bldg
Project location	151 Sparks st.
Prepared for	Natural Resources Canada
Prepared by	PPB OPS - BIT & Cx Team, Michael Walesiak

Equipment and Operation Characteristics		Score	
Upcoming retrofit projects or tenant improvements	One planned within the next 2 years LED Refit plan	0	0%
Thermal comfort and indoor environmental quality (IEQ)	Infrequent occupants complaints about comfort or IEQ	0	0%
Occupant rate of absenteeism	Normal rate of absenteeism	0	0%
See RCx Guide for Building Owners and Managers (page 51)			
Mechanical Equipment Condition			
Age of majority of equipment	Less than 12 years OR more than 3 years from end of useful life	1	
Building maintenance	Scheduled maintenance on both mechanical and control systems	2	
Mechanical problem(s)	Infrequent mechanical problems	1	
		Sub-total	4 18%
Mechanical Equipment Characteristics			
Minimum outdoor air (OA) fraction	Low level of outdoor air (fraction below 10%)	0	
Economizer types	Water or air-side economizer	1	
Air-side distribution system type	Variable volume	2	
Air handling unit (AHU) setback strategies	Temperature OR static pressure reset used	1	
Heat recovery	Yes, heat recovery is installed	2	
Cooling Plant	No cooling or district cooling	0	
Staging strategy for cooling and heating equipment	Manual based on estimated loads or outdoor air temperatures	2	
Presence of simultaneous heating and cooling	Control in place to prevent heating and cooling simultaneously	0	
Heat production systems	District heating plant	0	
Heat distribution type	Hydronic perimeter heating	1	
Type of reheat system	Electric or hydronic reheat system	2	
		Sub-total	11 50%
Building Controls			
Type of control(s)	Pneumatic actuators and direct digital control (DDC)	1	
Direct digital control (DDC) trend and storage capabilities	Available for 24h monitoring with sampling rate of 5 minutes or MORE	1	
Level of control(s)	All equipment including zone-level and/or lighting	4	
Use of automated scheduling	Scheduled to match occupancy	1	
		Sub-total	7 32%
		Total	22 100%
RCx potential is average			

Building Context		Score	
Up-to-date building documentation	Majority available and up-to-date	1	
Owner and in-house champion	Good owner support available with an in-house champion	4	
Building staff capacity	Building staff can provide operation status	1	
Controls staff capacity	Local controls subcontractor or offsite expert available	2	
		Total	8
RCx potential is high			

Recommissioning (RCx) Pre-screening Project Potential		Weighting
Equipment and Operation Characteristics	average	75%
Building Context	high	25%
RCx Project Potential		average