

Recommissioning (RCx) Pre-Screening Tool

Project name	Hope / O'Brien bldgs
Project location	63 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	None planned within the next 2 years	3	13%
Thermal comfort and indoor environmental quality (IEQ)	Multiple recurrent complaints about temperature, noise OR odour	4	17%
Occupant rate of absenteeism	Abnormally high rate of absenteeism	2	9%
Mechanical Equipment Condition			
Age of majority of equipment	More than 12 years OR equal or less than 3 years from end of useful life	0	
Building maintenance	Scheduled maintenance on both mechanical and control systems	2	
Mechanical problem(s)	Infrequent mechanical problems	1	
	Sub-total	3	13%
Mechanical Equipment Characteristics			
Minimum outdoor air (OA) fraction	Low level of outdoor air (fraction below 10%)	0	
Economizer types	No economizer	0	
Air-side distribution system type	Variable volume	2	
Air handling unit (AHU) setback strategies	Temperature OR static pressure reset used	1	
Heat recovery	No heat recovery	0	
Cooling Plant	Custom air handling units (AHUs)	1	
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	No reheat system	0	
	Sub-total	7	30%
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)	Central plant	1	
Use of automated scheduling	Scheduled to match occupancy	1	
	Sub-total	4	17%
		Total	23 100%
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	Onsite staff with controls capabilities available	1	
	Total	7	
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	