SAMPLE UNIT OWNER CHECKLIST FOR HEAT PUMP INSTALLATION PROJECTS

Disclaimer:

This checklist is intended to provide suggested guidance to unit owners and Strata Councils. Actual requirements may differ, and owners, contractors, Strata Councils, and Property Managers must verify these requirements with all stakeholders and Authorities Having Jurisdiction.

Sample Checklist Purpose:

The purpose of this sample checklist is to provide guidance to unit owners on how to start and manage a heat pump installation project in partnership with a mechanical contractor. The project phases are outlined so owners know what to expect and what responsibilities they have as interface to the Strata Council. Strata Councils may want to develop checklists for their unique building to provide guidance to individual unit owners.

Project Phase Breakdown and Objective:

A summary of each of the 4 major phases and their objectives is provided below.

Phase	Objective
Site Review Phase	The objective of this phase is for the owner to engage a mechanical contractor to review the physical unit and determine the feasibility of installation.
	Based the site review, the mechanical contractor will prepare a quotation for the unit owner to consider. This will provide the owner with price information and scope of the project.
Document Preparation for Strata Council Approval Phase	The objective of this phase is for the mechanical contractor to prepare documents for the owner regarding the details of the heat pump installation. The owner may then take these documents and submit to their Strata Council for formal approval of the project.
Permit and Construction Phase	The objective of this phase is for the mechanical contractor to submit the required documents to demonstrate technical compliance and approval by the UBC Permitting Department. Once approvals are received, construction and installation can commence.

Project Close Out Phase	The objective of this phase is for the owner to ensure that the agreed upon installation is complete to their satisfaction. This is the owner's opportunity to identify deficiencies to the mechanical contractor.
	Once the owner is satisfied, the mechanical contractor is to provide all manuals and Warranty Certificates.

Cost Responsibilities:

The unit owners are responsible for all costs associated to the services and equipment provided by the contractors to install the heat pump(s). Typically mechanical contractors will carry the cost of permits and peripheral administrative costs and a review of the scope of work should be reviewed when a quotation is prepared.

SAMPLE CHECKLIST:

Site Review Phase	 (1) owner to engage mechanical contractor to review site conditions to determine the following items: (1a) Location of outdoor condensing unit needs to be determined. (1b) Location of indoor evaporator unit locations. (1c) Approach to general refrigerant piping routing and concealment methods. (1d) Piping envelope penetration locations. (1e) Review of electrical panel to determine power availability and breaker space. (2) mechanical contractor to provide formal quote to owner. Quote to include detailed scope of work, list of all sub-contractors engaged for the project, and warranty information.
Document Preparation for Strata Council Approval Phase	 (3) mechanical contractor to prepare Strata Council Approval Document Package which shall include: (3a) Sketch (CAD Drafted) floor plan with outdoor condensing unit(s) and indoor evaporator unit(s) location clearly identified. (3b) Heat pump cutsheets which include the following information:

Permit and Construction Phase	 (5) mechanical contractor to submit required permit applications to UBC appending documents prepared in steps (3a), (3b), (3c), (4a), and (4b). Refer to UBC for all permitting requirements (This will include a Development Permit and Building Permit). (6) owner to provide mechanical contractor with Strata By-Laws to ensure they are aware of all rules associated to construction. (6) mechanical contractor to commence construction upon receiving approval from UBC and coordinate building access with the owner and Property Manager. (7) mechanical contractor to coordinate all Site Inspections with the Authority Having Jurisdiction.
Project Close Out	 (8) Upon completion of project, the mechanical contractor shall provide the owner the following services and for project close out: (8a) A walk through with the owner to demonstrate unit operation. (8b) Turn-over all permitting and inspection reports issued by the Authority Having Jurisdiction. (8c) Manufacturer supplied Installation and Operating Manuals for the equipment. (8d) Warranty certificate clearly indicating the date that the warranty period starts and ends.