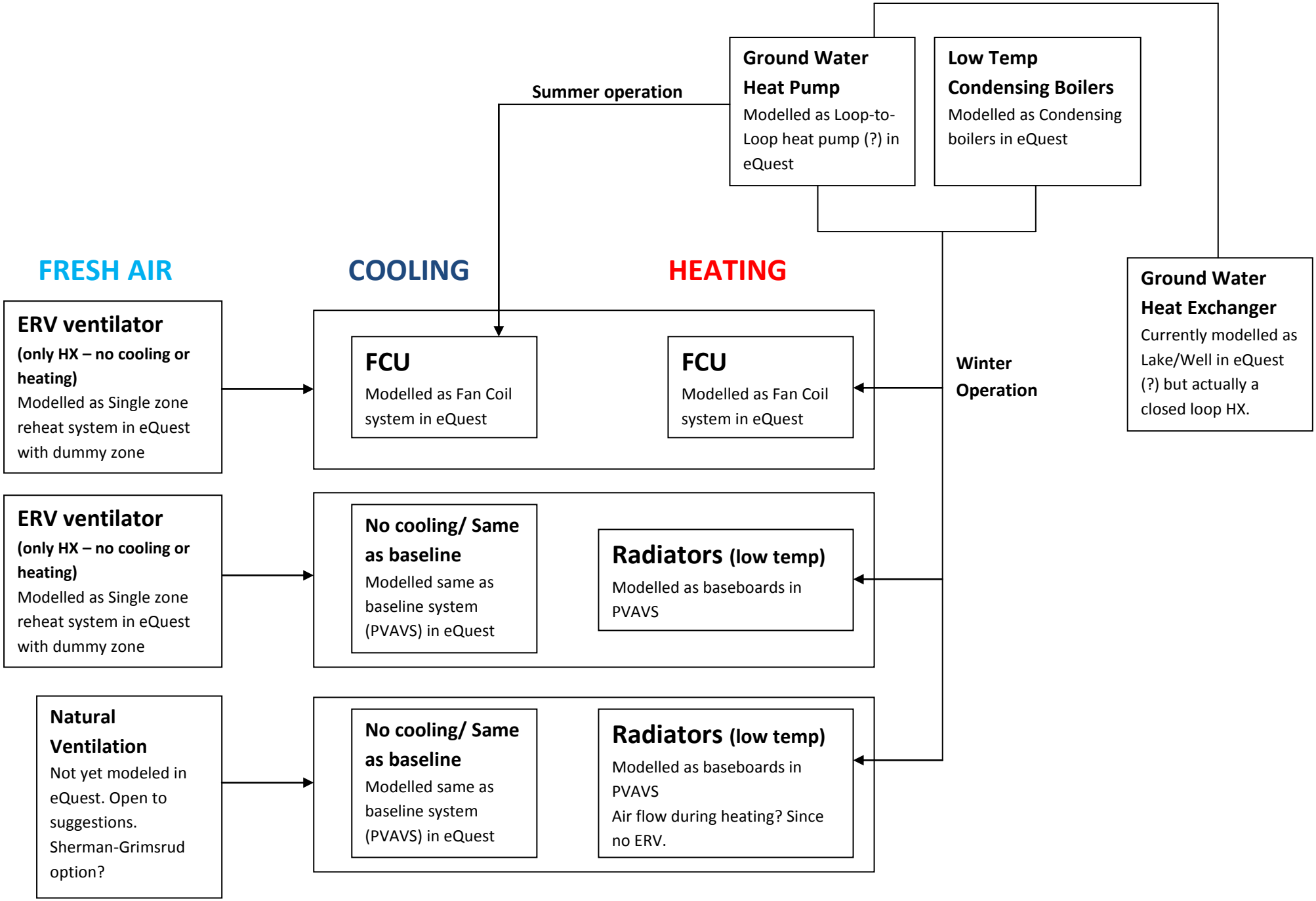
Ground Water Heat Pump
Modelled as Loop-to-Loop heat pump (?) in eQuest
Low Temp Condensing Boilers
Modelled as Condensing boilers in eQuest
Summer operation
FRESH AIR
COOLING
HEATING
Ground Water Heat Exchanger
Currently modelled as Lake/Well in eQuest (?) but actually a closed loop HX.
ERV ventilator
(only HX – no cooling or heating)
Modelled as Single zone reheat system in eQuest with dummy zone
FCU
Modelled as Fan Coil system in eQuest
FCU
Modelled as Fan Coil system in eQuest
Winter Operation
ERV ventilator
(only HX – no cooling or heating)
Modelled as Single zone reheat system in eQuest with dummy zone
No cooling/ Same as baseline
Modelled same as baseline system (PVAVS) in eQuest
Radiators (low temp)
Modelled as baseboards in PVAVS
Natural Ventilation
Not yet modeled in eQuest. Open to suggestions. Sherman-Grimsrud option?
No cooling/ Same as baseline
Modelled same as baseline system (PVAVS) in eQuest
Radiators (low temp)
Modelled as baseboards in PVAVS
Air flow during heating? Since no ERV.