

HPD's Heat Pump System Decision Matrix									
	Billing Strategy	Can be used for...	Possible Heat Pump Configurations	Building / Apartment Configuration	Considerations	First Cost	Service Cost	Energy Cost	Refrigerant Leak Risk
						<i>estimates may vary</i>			
1	Resident-paid Heating & Cooling* (only allowed with HPD approval, must comply w/ HPD's Electric Heating Policy)	Co-ops, Rentals in certain HPD programs <i>For existing buildings, resident-paid heat is limited to coops/ coop conversions and rentals where tenants already pay heating</i>	Mini-split on apartment meter	< 7 stories or where building can accommodate limited refrigerant pipe legnth	Simple option when resident-paid heating is allowed. Must comply w/ HPD's Electric Heating Policy.	\$\$\$	\$\$	\$\$	High
			Room Heat Pumps** on apartment meter	Buildings w/ PTAC or AC sleeves, small apartments where wall penetration is feasible	Only allowed on co-ops, not rentals. HPD permission req'd.	\$\$\$***	\$	\$\$\$	Low
2	Owner-paid Heat/ Resident-paid Cooling	Rental buildings where tenant-paid heat is not allowed by HPD	Central VRF on house meter w/ submetered cooling	7+ stories	Billing for cooling usually requires a 3rd party and collecting can be difficult.	\$\$\$\$\$	\$\$\$	\$\$\$\$	High
3			Mini-Split on house meter w/ submetered cooling	< 7 stories or where building can accommodate limited refrigerant pipe legnth		\$\$\$\$	\$\$	\$\$	High
4			Room Heat Pumps** on apartment meter w/ heating wired to house meter	Any size buildings, buildings w/ PTAC or AC sleeves, smaller apartments	Simplest solution for split-billing, dual wiring adds cost, requires wall penetrations at each unit	\$\$\$\$**	\$	\$\$	Low
5	Owner-paid Heating & Cooling	Senior/ Supportive Housing, rental buildings where cooling can be included in the M&O budget, co-ops where equipment is on house meter	Central VRF on house meter	7+ stories	Simple & minimizes risk for residents, but cost for cooling adds ~\$65/year/room to M&O budget****	\$\$\$\$	\$\$\$	\$\$\$\$	High
6			Mini-Split on house meter	< 7 stories or where building can accommodate limited refrigerant pipe legnth		\$\$\$	\$\$	\$\$	High

* Tenant-paid heating is only allowed with prior HPD & HCR permission and must comply with all HPD resident-paid heat requirements. Shifting heating costs to tenants is NOT allowed for rent-stabilized or rent-controlled apartments

** Room Heat Pumps may require backup electric resistance heating in larger spaces, which is only allowed with prior Pilot approval.

*** Costs based on 0-1BR apartments, will be higher for larger apartments.

**** Number of "rooms" = number of bedrooms + 2