

House 5 Papakowhai Renovation Project



House 5 Family Room Temperatures Winter (May – September)					
Period	Mean 24 Hr Temp (°C)	Mean Minimum Temp (°C) 24 Hr	Mean Minimum Temp (°C) Morning	Mean Minimum Temp (°C) Evening	Mean Minimum Temp (°C) Night
Pre Renovation (2006)	16.6	13.1	13.1	17.8	13.4
Post Renovation (2008)	16.5	13.6	13.6	18.4	13.9

House 5 Main Bedroom Temperatures Winter (May – September)					
Period	Mean 24 Hr Temp (°C)	Mean Minimum Temp (°C) 24 Hr	Mean Minimum Temp (°C) Morning	Mean Minimum Temp (°C) Evening	Mean Minimum Temp (°C) Night
Pre Renovation (2006)	12.7	12.1	12.2	13.4	12.4
Post Renovation (2008)	13.3	12.2	12.5	13.5	12.6

House 5 Winter (June – August) Temperature Histograms		
Period	Family Room	Main Bedroom
Pre (2006)	<p>P05 - Family room - Year one</p>	<p>P05 - Bedroom - Year one</p>
Post (2008)	<p>P05 - Family room - Year three</p>	<p>P05 - Bedroom - Year three</p>

**House 5
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Period	House 5 Main Bedroom July Relative Humidity	
	% Time Above 70%, 24 hr	% Time Above 70%, night
Intermediate (2007)	50%	57%
Post (2008)	52%	56%

House 5 July Temperatures - % Time Below Healthy Temperatures				
Period	Family Room		Main Bedroom	
	% time below 18°C, 24 hr	% time below 18°C, evening	% time below 16°C, 24 hr	% time below 16°C, night
Pre-Retrofit (2006)	68%	7%	53%	93%
Intermediate (2007)	79%	40%	60%	81%
Post (2008)	74%	20%	51%	86%