



South Island LPG Appliance Purchase & Operating Cost Estimates

Product	Model/Size/Max. Heat Output	Estimated Fully Installed RRP Inc GST (includes electrical but excludes any gas supply connection and building work). Prices as of 1 October 2009 and subject to change.	Max. Energy Input (efficiency on max settings – improves as units modulate)	Energy Running Costs LPG = 17.4c/kWh (excludes power costs = 22c/kWh) (June 2009 Industry Data) LPG = 46MJ/kg or 12.8kWh/kg 45kg Cylinder=576kWh and 45kg average cost = \$100. 1kWh LPG = 100/576 = 17.4c	LPG Supply Range per 45kg bottle (2x) WAH use: 60l/person/day Flow: 10l/min (all WAH uses) NRG use: 6min/day/person 1hr: 10days/1person=130days 2 people=65 days, 3 people=43 days, 4 people=33 days. Space Htg use: 4 hrs/day. Full to half output settings, refers to amount of heat produced by appliance. The level of home insulation will determine how much of this heat is kept inside or lost outside, and this determines true running costs.
Paloma Continuous Flow Water Heater	18 Litre LPG 35kW 20 Litre LPG 35kW 24 Litre LPG 40kW 26 Litre LPG 44kW	\$2,671 \$2,781 \$2,914 \$3,024	43.6kWh (80%) 43.6kWh (80%) 52.2kWh (77%) 55.3kWh (79%)	12.6c per min 12.6c per min 15.2 per min 15.76c per min	13 hrs (130/65/43/33 days) 13 hrs (130/65/43/33 days) 11 hrs (110/55/37/27 days) 11 hrs (110/55/37/27 days)
KENT Flame-Effect Gas Fire <i>Excludes flue components</i>	Cassel LPG Inbuilt 5.8kW Ochre Freestanding LPG 5kW Ochre Inbuilt LPG 5kW Sienna 900 LPG 3.5kW	\$5,796 \$5,004 \$4,949 \$4,674	6.9kWh (84%) 6.2kWh (81%) 6.2kWh (80%) 11kWh (31%)	\$1.20 per hour \$1.07 per hour \$1.07 per hour \$1.91 per hour	83 - 166 hrs (21 - 42 days) 93 - 186 hrs (23 - 46 days) 93 - 186 hrs (23 - 46 days) 52 - 104 hrs (13 - 26 days)
GEO Panel Heater	15 – 45 sqm 2105 Con Flue LPG 4.1kW 2155 Bal Flue LPG 3.5kW 10 – 15 sqm 2119 Bal Flue LPG 1.5kW	\$1,904 \$1,846 \$1,665	5.3kWh (77%) 3.9kWh (89%) 1.9kWh (79%)	\$0.92 per hour 68c per hour 33c per hour	108 - 216 hrs (27 - 54 days) 147 - 294 hrs (37 - 74 days) 303 - 606 hrs (76 - 152 days)
Bonaire Wall Furnace	55 – 75 sqm 4700002 LPG 6kW 75 – 110 sqm 4700012 LPG 8.7kW	\$4,663 \$4,982	7.2kWh (83%) 11.1kWh (78%)	\$1.25 per hour \$1.93 per hour	80 - 160 hrs (20 - 40 days) 52 - 104 hrs (13 - 26 days)
Bonaire Ducted Central Heating (Internal)	7 Outlets 120 sqm BV5-15 LPG 15kW 9 Outlets 160 sqm BV50-21 LPG 21kW 11 Outlets 200 sqm BV5-30 LPG 30kW 13 Outlets 240 sqm BV5-30 LPG 30kW	\$10,044 \$11,382 \$12,424 \$14,651	16.6kWh (90%) 23.6kWh (89%) 33.4kWh (90%) 33.4kWh (90%)	\$2.88 per hour \$4.10 per hour \$5.81 per hour \$5.81 per hour	35 - 70 hrs (9 - 18 days) 25 - 49 hrs (6 - 12 days) 17 - 34 hrs (4 - 8 days) 17 - 34 hrs (4 - 8 days)