

Working from home infographic calculations



July 2021

Take away coffee	\$4.00
Tariff \$/kWh inc. GST	0.28092 << Home Plan

	Assumptions	Energy (Watt hours)	Cost
Home office			
Laptop	2 x Macbook Pro 13 inch for 10 hours	116	\$0.03
Monitor	27 inch, 30W for 10 hours	300	\$0.08
Printer	HP LaserJet 4250, 450 pages printed at 45ppm, 675W when printing	113	\$0.03
Charge 5 mobile phones	iPhone X, recharged from flat, 5 times	52	\$0.01
Lounge room			
TV	6 hours of TV, 50 inch LED TV @ 91W typical usage	546	\$0.15
Gaming console, 4 hours	Playstation 4, @130W per hour	520	\$0.15
Kitchen			
Kettle 1.7L, 2400W	Boil 1.7 litres for 5 mins, makes 6 cups of tea	200	\$0.06
Microwave	2400W Microwave, re-heating 3 lunches for 6 minutes each	720	\$0.20
Coffee machine	1710W Nespresso machine, 6 Shots (assumes 4Wh per shot)	24	\$0.01
Laundry			
Washing machine	4 star energy rated, 7.5kg front loading machine, 2 loads, air dry only	1520	\$0.43
Home wide			
Lighting	Study, kitchen and lounge room, 15 typical 8W LED lights, running for 4 hours	480	\$0.13
Heating	Heating costs vary significantly by type, fuel, size etc. This assumes 6 hours of split system reverse cycle heating at 1.6kW per hour	9600	\$ 2.70
		TOTAL	\$3.99

Calculations are based on 2021/2022 electricity tariffs.
See website: actewagl.com.au/plans-and-connections/pricing-information/act-home-prices