

**Informative Annex D of 2017 NEC**

**Electrical Load Calculation Worksheet**



**EXISTING DWELLING UNIT**

**2017 NEC SECTION 220.83**

**For a dwelling unit having the total connected load served by a single 3-wire, 120/240 volt set of service entrance or feeder conductors with an ampacity of 100 or greater.**

LIVABLE SQUARE FOOTAGE		SF @ 3 =		VA
SMALL APPLIANCE CIRCUITS (2 minimum)		@ 1500 =		
LAUNDRY CIRCUIT (Required in new dwelling: 1500)		=		
ELECTRIC DRYER (Nameplate rating or 5,000)		=		
ELECTRIC RANGE (Nameplate rating or 12,000)		=		
COOKTOP & OVEN (Nameplate rating or 6,000 each)		=		
MICROWAVE OVEN (Dedicated circuit: 1200)		=		
DISHWASHER (W or W/) Disposer on circuit: 1500)		=		
DISPOSER (Separate dedicated circuit: 720)		=		
ELECTRIC WATER HEATER (Nameplate or 4,500)		=		
OTHER		=		
OTHER		=		
OTHER		=		
SUBTOTAL				VA
FIRST 8 KVA AT 100%				
REMAINDER AT 40%				
SUBTOTAL				VA
DIVIDED BY 240 V				AMPS
AIR CONDITIONING				AMPS
TOTAL EXISTING SERVICE				AMPS
REQUIRED SERVICE				AMPS