CITY OF DIXON
600 EAST A ST.
DIXON, CA 95620-3697
PHONE (707) 678-7000
Building Info Building@cityofdixon.us

RESIDENTIAL SERVICE LOAD WORKSHEET

Optional Calculation for Dwelling Unit per California Electrical Code (CEC)

Address:_____ Permit #:_____ Date: _____

Building sq. ft.: _____ Gas Furnace? Y N

Rating of:	**NPR (Name plate Rating)**	**Watts (= volts x amps)**	**X %**	**=**	**Total (a)**
Air Conditioning*	NPR	_____	X 1.00	=	_____
Heat Pump	NPR	_____	X 1.00	=	_____
Electric Central Heating System	NPR	_____	X.65	=	_____
Electric Space Heaters	NPR				
Less than 4 separately controlled units		_____	X .65	=	_____
Electric Space Heaters	NPR				
4 or more separately controlled units		_____	X .40	=	_____

Transfer the largest value (watts) from the above 5 lines to the space below titled "from above" **

* Air Conditioning Example:

Compressor =	16.0 amps
Air handler =	2.0 amps
25% of the largest motor =	4.0 amps
Total =	22.0 amps X 240 volts = 5,280 Watts

Quantity	Item			Watts (= volts x amps)
_____	Sq. Ft. X 3 watts per sq. ft.		=	_____
_____	(2) 20 Amp appliance circuits @1500 watts each (kitchen)		=	_____
_____	Range/Cooktop/Ovens	NPR	=	_____
_____	Microwave (separate)	NPR	=	_____
_____	Water Heater (if electric)	NPR	=	_____
_____	Dishwasher/Garbage Disposal	NPR	=	_____
_____	Washer	(1) 20 Amp @1500 watts	=	_____
_____	Electric Dryer	greater of 5000 or NPR	=	_____
_____	Motor loads	NPR	=	_____
_____	Pool and/or Spa	NPR	=	_____
_____	Other loads (Ie. EVCS)	NPR	=	_____
		Subtotal	=	_____
		Less		-10,000
	Total = _____	X .40	=	_____
		** from above	+	_____
			+	10,000
		Grand Total (watts)	=	_____

Grant Total (watts) _____ ÷ 240 Volts = _____ Service Load (Amps)

Existing service size: _____ Amp

_____
Signature – Electrical Contractor, owner/builder