CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

Planning, Building and Code Enforcement
BUILDING DIVISION

LOAD ESTIMATING - OPTIONAL METHOD (CEC 220.82 or 220.83)

for Dwellings with 120/240, 3 wire, single phase services:

_____	Sq. Ft. living area[1] x 3 watts/sq. ft.	_____	watts
_____	- 20 amp small appliance circuits @ 1500 watts each	_____	watts
_____	- laundry circuits @ 1500 watts each	_____	watts

Electrical Appliances @ nameplate value[2]

range	_____	watts
oven	_____	watts
dishwasher	_____	watts
garbage disposal	_____	watts
dryer[3]	_____	watts
other (1 - 120v fans)	_____	watts
other _____	_____	watts
Subtotal	_____	watts

Services:	NEW	EXISTING			
First	10,000	8,000	@ 100%	_____	watts
Balance	_____		@ 40%	_____	watts

*Air conditioning @ 100% (or)	_____ Amps	_____	watts
*Central elect. space heating @ 100% (or)		_____	watts
*Less than 4 separately controlled elect. space heaters @ 100%		_____	watts
plus controlled elect. space heaters more than 4	@ 40%	_____	watts

Total Existing Load	_____	watts
New Added Load	_____	watts
Revised Total Load	_____	watts

convert to amps by dividing by 240 volts (I=P/E) _____ AMPS

[1] use outside dimensions
[2] if values are given in amps, multiply by volts to obtain watts (P=IxE)
[3] minimum 5000 watts
[4] if added load is for a level 2 electrical vehicle charging station load is 240v 7.7 kVA @ 125% = 9,625 watts

*use larger connected load of a/c and space heating, but not both.