## City of Elk Grove

**Development Services Building Safety & Inspection** 8401 Laguna Palms Way • Elk Grove, California 95758 Phone (916) 478-2235 Email <u>Bldonline@elkgrovecity.org</u>

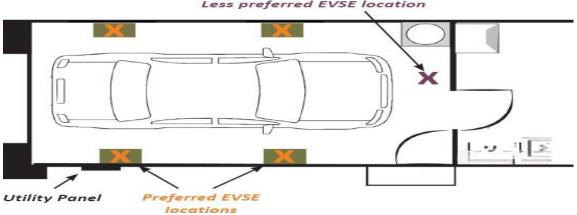


www.elkgrovecity.org

## **Checklist for Residential Electric Vehicle Charging Stations**

January 2023

Submittal Checklist					
<ul> <li>□ Completed building permit application. An app <a href="https://www.elkgrovecity.org/building-safety-inspec">https://www.elkgrovecity.org/building-safety-inspec</a></li> <li>□ A site plan</li> <li>□ An electrical plan</li> <li>□ Equipment Manufacturer's Installation Instruct</li> </ul>	tion-permits/building-forms-handouts-and-featured-articles				
using the eTrakit permit portal. If you are a Content of the https://cityofelkgrove.formstack.com/forms/contractors/ All other applicants can register for a public a https://elgr-trk.aspgov.com/eTRAKiT/publicUserAccontent	rakit application. Registration is required to apply for permits ontractor, please use the link below to register:  r_online_inspection_registration_form  ccount through the eTrakit site, please use the link below:				
General Requirements					
Level 1 EV Charging; (120V)	Level 2 EV Charging; (240V)				
Type of equipment being installed:  ☐ NEMA 5-15	Type of equipment being installed: ☐ NEMA 14-50				
Equipment Overcurrent Protection Rating:	Equipment Overcurrent Protection Rating:  ☐ 50A ☐ Other				
Existing Electrical Service (If less than 150A see electrical load worksheet)  □ 100A	Existing Electrical Service (If less than 150A, see electrical load worksheet)  □ 125A □ 150A □ 200A				
Branch Circuit Distance: □100 Feet or less	Branch Circuit Distance:  ☐More than 100 Feet				
Feet Conductor Size:  □ #14 Cu □ #12 Cu	Feet Conductor Size: ☐ #6 Cu ☐ Other				
Less prej	ferred EVSE location				



## **Electric Load Worksheet**

Address:				Jaie.		
Main Electric Panel Service Size: Exis	sting(Amps) / New (if applica			e)		(Amps)
Quantity of Existing Subpanels:	Quantity of New Subpanels:			_ Gas Furnace (Y/N)		
Breaker Size(s) feeding subpanel(s)?_	Wires Size(s) feeding subpanel(s)?					
A. <u>Calculate Habitable</u> <sup>1</sup> S	Square Foo	<u>tage</u>				
(Existing S.F) +	(New S.F	., if any) =Tota	На	bitable	¹ Squar	e Footage
				E	3. <u>Iden</u>	tify General Loa
General Lighting and Use Receptacles:	-	Total Habitable <sup>1</sup> SF	Х	3	=	total watts
Kitchen Small Appliance Branch Circuits:		(Quantity, Min. 2)	Х	1500	=	total watts
Bathroom Small Appliance Branch Circuits:		(Quantity, Min. 1)	Х	1500	=	total watts
Range:		(Nameplate Rating)	Х	1	=	total watts
Oven:		(Nameplate Rating)	Х	1	=	total watts
Water Heater:		(Nameplate Rating)	Х	1	=	total watts
Dishwasher:	-	(Nameplate Rating)	Х	1	=	total watts
Garbage Disposal:		(Nameplate Rating)	Х	1	=	total watts
Washer:		(Nameplate Rating)	Х	1	=	total watts
Dryer:		(Nameplate Rating)	Х	1	=	total watts
Total Subpanel Load <sup>2</sup> :		(Combined Watts <sup>2</sup> )	Х	1	=	total watts
Motor Loads:		(Nameplate Rating)	Х	1	=	total watts
Other Loads:		(Nameplate Rating)	Х	1	=	total watts
	Aa	ld total watts together (fro	m a	bove)	=	Total B
C. <u>Identify Large</u>	st of the Fo	ollowing Six Heating a	nd	Air C	onditio	oning (HAC) Loa
Electric Thermal S	Storage:	(Nameplate Rating	g)	x 1	=	total watts
Air Conditioning and	· -	(Nameplate Ratin				
Heat Pump (without any supplemental electri		(Nameplate Ratin				
r Less (Separately Controlled) Electric Space Heatir						
or more (Separately Controlled) Electric Space Heat						
Central Electric Space Heating S						
Enter single lare	rost Hoating	and Air Conditioning Load	√ (fr	om ah	ava) –	Total C
Enter single larg	jest i leating	and All Conditioning Load	·		, –	Total Service L
40.000 4 0.4	0 40 000				culate	
Total B (from above)	U + 1U,000 V	Total C (from above)	÷ 24	<b>10</b> =		Total Am
Signature		Print Name			ate Lico	nse Number (if applic
Jighature  1 Habitable square footage includes the floor area for each fi	loor coloulated for		olli∽ -			

<sup>&</sup>lt;sup>2</sup>Add all subpanel loads here that are not already included elsewhere on this form.

<sup>&</sup>lt;sup>3</sup>For Central Electric Space Heating Systems, add 100% of the heat pump compressor's nameplate rating plus 65% of the supplemental electric heating's nameplate rating. If the heat pump compressor is prevented from operating at the same time as the supplementary heat, it does not need to be added to the supplementary heat for the total central space heating load.