COUNTY OF NEVADA
COMMUNITY DEVELOPMENT AGENCY
BUILDING DEPARTMENT
950 MAIDU AVENUE, SUITE 170, NEVADA CITY, CA 95959-8617
(530) 265-1222 FAX (530) 265-8794 www.mynevadacounty.com

RESIDENTIAL GENERATOR PLAN SUBMITTAL CHECKLIST

THE FOLLOWING ITEMS ARE REQUIRED FOR A COMPLETE PLAN SUBMITTAL. INCOMPLETE SUBMITTALS WILL NOT BE ACCEPTED; PLEASE READ CAREFULLY! THIS COMPLETED FORM MUST ACCOMPANY A RESIDENTIAL GENERATOR PERMIT APPLICATION

JOB ADDRESS: _____ **APN:** _____

	TWO (2) SITE PLANS AND TWO (2) COMPLETE PLAN SETS ARE REQUIRED. **Plans must be to scale drawn in blue or black ink, on clear unlined paper; minimum size is 11" x 17", maximum size 24" X 36".** The **Scope of Work** must be fully stated and detailed on the plans. For building plans to be useful, they **must be legible and drawn to scale.** Plans should be prepared with lettering of sufficient contrast to be readable when scanning. Photocopies or prints may be submitted. **Pencil, whiteout, taped notes/details and any other submittal that is illegible or not completed in a workmanlike manner will not be accepted.**
	SITE PLAN/COVER SHEET: • Owners name/site address/contact information, assessor's parcel number (APN), North arrow, sheet index, statement of compliance with specific CA codes used, preparers name/address/signature, and project scope • Identify all existing structures and proposed generator equipment • Location of wells, water storage tanks, bodies of water and 100yr floodplains. Include a setback from the generator (minimum 100ft) • Location and types (above ground or underground) of electrical and gas utilities • Identify any easements (PG&E, water, road, driveway, etc.) • Setbacks from the generator to buildings, property lines, water sources and septic/leach lines/pumps • Location, size, and setbacks to propane tanks from the generator, property lines and structures. Indicate if new or existing. All tanks above 4,000ft elevation, or underground require review/approval from the local fire district.
	ELECTRICAL SINGLE LINE DIAGRAM: • Amperage size and location of the main electrical panels and subpanels • Grounding/bonding conductor sizes/types for structure (main ground, water bonding, gas bonding, etc) • Equipment grounding conductor size, type and location for circuits and module/rack grounding • Junction box locations • Disconnect types, sizes and locations (January 1st, 2020: Disconnect within 3' of main service panel required) • Conduit sizes/types from the generator to the transfer switch and power source • Transfer switch type, size and location • Conductor wiring types and sizes, system and generator • **NOTE:** The generator must include the following features or an additional disconnecting means is required: a readily accessible disconnect lockable in the open position and located within line of sight and 50' of the building or structure supplied.
	SIGNAGE: • Required signage for panels, disconnects, transfer switches, etc pursuant to California Electrical Code Article 702.7 • Permanent labels with contrasting background/lettering, not handwritten and weather resistant pursuant to CA Electrical Code Article 110.21
	EQUIPMENT/PAD ANCHORING SPECIFICATIONS (Required for all generator installations per ASCE-7): • Provide cut sheets for all generator equipment and transfer switches • Pre-fabricated pad specifications or concrete slab thickness and anchoring information
	GAS LINES: • Show underground and aboveground gas line locations, materials and sizes • Provide gas line sizing calculations including all equipment and appliances served by the gas source in accordance with the California Plumbing Code
	APPROVAL FROM CITY OF NEVADA CITY: If project is located within the City Limits of Nevada City

THIS DOCUMENT IS INTENDED ONLY AS A GUIDE. SPECIFIC REQUIREMENTS OR DOCUMENTS MAY DIFFER BASED UPON YOUR SPECIFIC APPLICATION AND THE BUILDING CODE.

Note: An Air Pollution permit is required for all Diesel-powered generators if the DIESEL engine is 50 horsepower or greater. If your DIESEL engine is less than 50 horsepower, then you DO NOT need to obtain an Air Pollution permit. If your generator is fueled by natural gas, propane or gasoline, then you DO NOT need to obtain an Air Pollution permit. If you have any questions, then please call the Air District at 530-274-9360 or email the Air District at office@myairdistrict.com.

NEC Standard Electrical Load Calculation for Single Family Dwellings

(Only for Service Ratings of 120/240V, 225 Amps Max)

Owner: _____ Location: _____

Total Floor Area of Dwelling (NEC 220.12) _____ SQFT.

Factor	Quantity	Volt Amperes (VA)
"General Lighting"		
1. General Lighting (SQFT X 3 VA/SQ FT (Table 220.12)	3 X sqft.	
2. Small Appliance Circuits (1500 VA per circuit) (NEC 220.52(A)) (minimum 2)	1500 X 2	3000
3. Laundry Circuit (1500 VA per circuit) (NEC 220.52(B))	1500 X 1	1500
4. Total General Lighting Load (Add lines 1, 2 & 3):		
5. First 3000 VA @ 100%:		3000
6. Total General Lighting Load – 3000 = _____ @ 35%=		
7. **Net General Lighting Load** (Per NEC 220.42) **(Add lines 5 & 6):**		

***Fixed Appliances(if insufficient space, use back):**	YES	NO	
• Garbage Disposal (900 VA)			
• Bathroom Fan (250 VA)			
• Microwave (1500 VA)			
• Dishwasher (1200 VA)			
• Other:			
• Other:			
		Total	
8. 3 or less Appliances, Total Appliance VA; 4 or more Appliances, 75% of Total Appliance VA (NEC 220.53):			

***Other Loads (including motors, EV charger(s), etc.)**	YES	NO	Nameplate Rating (VA)
9. Electric Range (8000VA or Nameplate)**			
10. HVAC (1800 VA PER TON)			
11. Electric Oven (SINGLE WALL: 4800 VA DOUBLE WALL 8000 VA)			
12. Electric Dryer (5000 VA minimum)**			
13. Electric Vehicle Charger			
14. Other:			
15. Other:			
16. 25% of largest motor (NEC 430.24)			

Total Service Load Volt-Amperes (VA) (Add lines 7, 8 & 9 thru 16) =
Total Service Load Volt-Amperes / 240-volts = Amperes
*****Service Rating (Amperes)=**

* For every "YES" answer, indicate VA rating of equipment

** Nameplate rating must be used if larger Range oven combination. For cooktop use 3600VA

*** Service Rating shall be greater than or equal to the Service load

Note: If load management modules are used for all 240 volt loads a load calculation is not required.