

Permit Guide for Back-up Generators

*****AT THE COMPLETION OF THE JOB, A CERTIFICATE OF APPROVAL IS SENT VIA EMAIL ONLY. INCLUDE AN EMAIL ADDRESS FOR BOTH THE PROPERTY OWNER & CONTRACTOR*****

-Submit a completed Construction Permit Application: The following is required to be submitted with all applications for permanent stand-by generators. Incomplete applications will not be accepted. Please read carefully and contact us with any questions.

UCC FORMS PRINTED FROM THE INTERNET OR COPIES OF UCC FORMS MUST BE SUBMITTED SIGNED AND SEALED AS REQUIRED. UCC FORMS MUST LEGIBLE AND NOT HAVE OFFICE ONLY SECTIONS BLACKED OUT

[] [Construction Permit Application Folder](#)

[] [Electric Subcode Technical Section](#)

[] [Mechanical Subcode Technical Section \(residential only\)](#)

[] [Plumbing Subcode Technical Section \(commercial only\)](#)

[] [Fire Protection Subcode Technical Section \(commercial only\)](#)

-Submit payment of **\$50.00** payable to “**Bernards Township**” for **Zoning Permit**.
(No Separate Form Required)

- If your project is subject to a Home Owners Association review, a copy of the HOA approval must be included with your Construction Permit Application.

-Submit **3 copies** of property survey showing location of generator.

-Submit **2 copies** of each: manufactures specs (*Generator & Transfer Switch*), ****electrical load calculation of generator (see attached)** and gas riser diagram (*see attached*)

***CSST INSTALLATIONS:**

The following is required for permit applications whether the installation involves new install or extension of existing that includes CSST piping:

1. A copy of the installer’s certification from the manufacturer for the installation of CSST.
2. An electrical permit is required for the bonding of the CSST

For Back-up Generators: Indicate **KW** of Generator, **AMP** of Transfer Switch and any additional components as installed.

***Attached electrical load calculation sheets are an example. If you wish to use the sheets please go to <http://jaei-skyland.org> The Load Study Calculation sheets provided on the website are in Microsoft Excel format and have the formulas built in; you just need to choose the appropriate calculation form, input your numbers, print and attach 2 copies with your permit application.*

*****AT THE COMPLETION OF THE JOB A CERTIFICATE OF APPROVAL IS MAILED TO THE PROPERTY OWNER ONLY*****

Questions??? Please contact:

Electrical Subcode Official, Roger Vanderhoof (908) 204-3025
Plumbing Subcode Official, Michael Resetar (908) 204-3154

OPTIONAL Load Calculations for Dwelling Units (NEC 220 Part IV)

(v1.5)

Work Site:			
Block:	Lot:		Date:
Owner in Fee:			

GENERAL LOADS	QTY	RATING (watts)	Managed	TOTAL LOAD (watts)
Lighting and General Use Recepticles		3va*ft ²		0
Small Appliance Branch Circuits	2	1500		3000
Laundry	1	1500		1500
Well Pump				
Sump Pump				
Refrigerator				
Freezer				
Microwave				
Dishwasher				
Disposal				
Range				
Oven				
Water Heater				
Dryer				
Garage Door Opener				
Whirlpool Tub				
Pool Equipment				
Air Handler / Furnace				
Total General and Appliance Loads				4500
Air Conditioner #1				
Air Conditioner #2				
Fixed Electric Space Heating				

Demand Factor (NEC 220.82)	First 10,000 at 100%	4500.00
	Remainder at 40%	0.00
	Air Conditioning/Heating (total)	0.00
	Total Watts	4500.00

For coments or errors contact: GregChontow@IAEI-Skyland.org

STANDARD Load Calculations for Dwelling Units (NEC 220 Part III)

(v1.1)

Work Site:			
Block:	Lot:		Date:
Owner in Fee:			

GENERAL LOADS	QTY	RATING (watts)	Managed	TOTAL LOAD (watts)
Lighting and General Use Recepticles		3va*ft ²		0
Small Appliance Branch Circuits	2	1500		3000
Laundry	1	1500		1500
General Loads Subtotal (Derated - Article 220.42):				3525
Well Pump				
Sump Pump				
Refrigerator				
Freezer				
Microwave				
Dishwasher				
Disposal				
Water Heater				
Garage Door Opener				
Whirlpool Tub				
Pool Equipment				
Air Handler / Furnace				
Total Small Appliance loads (Derated - Article 220.53)				
Dryer (Article 220.54)				
Oven (Article 220.55)				
Range (Article 220.55)				
Air Conditioner #1 (Article 220.50)				
Air Conditioner #2 (Article 220.50)				
Fixed Electric Space Heating				

General Loads (derated)	3525
Small Appliance Loads (derated)	0
Other Loads	0
Total Watts	3525

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