



# ORANGE CITY

The Heart of Southwest Volusia

## PERMANENT/PORTABLE GENERATOR INSTALLATION CHECK LIST (Per NFPA2017 NEC70, 702, Option Standby Systems)

**Contractor:** \_\_\_\_\_ **Permit #:** \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

**Property Address:** \_\_\_\_\_

**EXAMPLES:**

SERVICE SIZE	AMPS
GENERATOR SIZE	KW
GENERATOR	AMPS
SWITCH TYPE	AUTOMATIC/MANUAL

<b>200AMPS</b>
<b>20 KW</b>
<b>85AMPS</b>

**200 Automatic Transfer Switch**

NEC70 2017 Article 702.5(B)(2)(a): Full Load, The standby source shall be capable of supplying the full load that is transferred by the automatic transfer equipment or,

(b): Load Management, Where a system is employed that will automatically manage the connected load, the standby source shall have a capacity sufficient to supply the maximum load that will be connected by the load management system.

**Provide Load Calculations for review, (2017 NEC70 Article 220.83: Existing Dwelling)**

**PERMANENT GENERATORS ONLY**

Square feet of Living Area	Sq.Ft.
Sq.Ft. of Living Area x3va	
Kitchen Special @ 1,500	
Refrigerator @	
Laundry @	
Range @	
Water Heater	
Dishwasher	
Garbage Disposal	
Clothes Dryer	
AC/AHU	
Other Loads	
Total	
First 8k @ 100% =	
Remaining @ 40% =	Remaining: _____ @ 40% = _____
Total	

**EXAMPLES:**

2,400 Sq. Ft.
1,800
2 Kitchen special @ 3,000
1 Refrigerator @ 1,500
1 Laundry @ 1,500
1 Range @ 8,000
4,500
1,440
960
5,000
Shedding-See Below*
30,100
First 8k @ 100% = 8,000
Remaining: 22,100 @ 40% = 8,840
16,840
16,840 / 240 = 70.167 amps

Provide Load shedding description and/or schematic.

**\*The A/C system are not included in these calculations because they will be added to the load-shed portion of the transfer switch.**

**NOTES:**

1. Manual Transfer Equipment NEC70 Article 702.4(B)(1).
2. Generator/Electrical location; NEC70, Article 110, Table 110.26(A)(1): Working Space, Minimum 36".