



Cayman Building Code Notice

The following **Code Resolution** is to help the customer clarify a code related issue. It in no way supersedes the adopted codes which must also be referred to. This Resolution supersedes any and all older ones

Title: Generator Calculation (Residential)

Code Section: NEC 702

Resolution Number:

Revised: 24 May 2018

Reason: Residential (R3) Occupancies are not require to be on emergency or legally required standby power. Per NEC 702 Optional, standby power systems are presently not required in Residential (R3) occupancies. The following notice is there for clarification and notice of signage is required if a generator is installed.

Resolution:

When sizing you have several options:

702 Optional standby Power

Option 1: 702.4 (1) Manual Transfer -- you choose which lighting, receptacles, and equipment will be used and the loads involved

Option 2: 702.4 (2) (a) Automatic Transfer --(full load) Building Control will accept either a calculated load of the building **OR** the actual load of the building using the data logger ~~30 day~~ 15 day (125%) method. (see Data Logger Policy)

Option 3 702.(2)(b) Automatic Transfer --(Load Management) The designer will give us the connected load to the system and explanation of how it is to be managed.

In all options above, standard calculations per NEC 220 are to be used

702.7 Signs.


(A) Standby. A sign shall be placed at the service-entrance equipment that indicates the type and location of on-site optional standby power sources. A sign shall not be required for individual unit equipment for standby illumination.

A permanent sign shall be at the panel (main) shall include the following: (10 pt type or larger)

- Optional standby power using [] Manual [] Automatic (full load) [] Automatic (managed)
- Generator maximum load
- Calculated or intended load.
- Grounded Conductor [] has [] has not been broken with the service entrance conductors.
- 100% of the building load has been taken into account

Or

- Circuits are limited to _____



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