

## “Lien on Me”

### Project Details

Sentinel Power Systems is very pleased to have had the opportunity to supply an environmentally friendly emergency power solution to the Holmes on Homes Foundation for the Lien on Me. We at Sentinel would like to take this opportunity to thank all of our suppliers who helped make this possible.

#### **Solar Array details:**

The solar array is comprised of 4 X SG160 Watt solar modules mounted on an aluminum and stainless steel frame. The solar modules are produced by a Canadian solar manufacturer located in Ontario, and boast exceptional quality supported by a 25 year power output warranty.

***Total solar output - 640 Watts ( provides enough power to run the fridge and all of the lighting in the home on a daily basis )***

#### **Emergency Power system details:**

The emergency power system is the Sentinel 3010, which has been designed and manufactured in Ontario. The Sentinel 3010 is a 3000 Watt power system capable of running multiple appliances simultaneously, and will power the essential loads in the average house for a minimum of 24 hours. The specific loads that are being powered in the Lien on Me project are the fridge, freezer, heating system pumps and controls, sump pump, select power outlets, and most of the lighting.

The Sentinel is always on guard. As soon as there is a hint of a power failure the Sentinel detects it and switches into back up mode. The switch from utility power to back up power happens so quickly that most people do not even know it has happened. Then when the power from the grid has returned and is deemed to be stable, the Sentinel automatically switches back to standby mode and starts recharging the system. When a solar array is installed, the Sentinel distributes the solar power to the loads in the house. In the event that the solar array starts producing more power than the house requires, the Sentinel will then automatically sell that excess power back to the utility company, helping offset the monthly power bills.

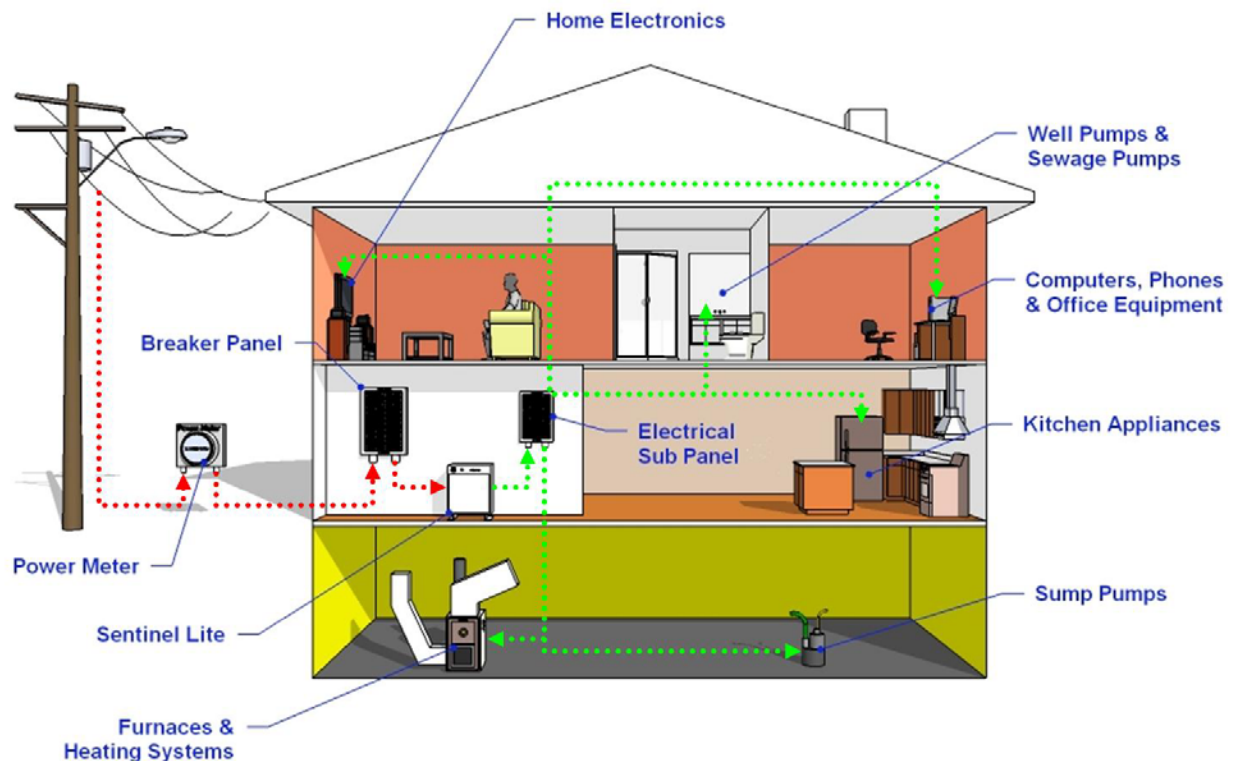
***Total power output - 3000 Watts ( will power the fridge, heating system, sump pump and a few lights all at the same time )***

# Sentinel Power Systems®

## Battery details:

The storage battery in the Sentinel 3010 is one that does not require any maintenance, and is non-hazardous. Most deep cycle batteries require regular maintenance, and need to be stored outdoors to prevent hazardous gasses from entering the home. These batteries however, are as safe as the one in a cordless phone.

**Total power storage** - 10,000 Watts of stored power ( will run a 13 watt compact fluorescent light bulb for over 700 hours, or a fridge for 8 to 10 days )



Thanks to:

[Solgate International](#)  
[The Energy Depot](#)  
[Ontario Battery Direct](#)  
[Holmes on Homes](#)  
[Holmes on Homes Foundation](#)

