

Monroe A. Miller, Jr.  
19 Big Spruce Lane  
Waynesville, NC 28786  
March 20, 2013

HCC Board of Trustees  
c/o Bob Morris, Chair  
**Haywood Community College**  
185 Freedlander Drive  
Clyde, NC 28721

**Subject:** Open Letter to Board of Trustees, re: March 28, 2013 Board Meeting.

As you must be aware, as a Haywood County Taxpayer, I have expressed concerns about the FLS solar thermal program for the Creative Arts Building since inception. Recent observations have elevated my concerns, and I am requesting your assistance to so that I can verify or eliminate my concerns, and those questions members of the Board may have regarding FLS solar thermal energy generation. One major concern, as a taxpayer, is if HCC is double paying for it's energy costs. .

FLS maintains a website that displays instantaneous [[www.flenergy.com](http://www.flenergy.com)] that showed system temperatures at HCC. This information has since been pulled off their site. Screen grabs of graphical data showed on two occasions implying that FLS was generating hot water from their solar panels on days with no sunshine.

- On Jan. 14-16, energy output was shown to be at "normal" output level [over 170° F], even though Haywood county had 100% cloud cover from a stalled weather front for the past week,
- On Feb. 2, at 1:00am in the morning, with the outside temperature of 24° F, the system was generating heated water at 186° F,
- On Mar. 1, the CAB Dedication, it was cloudy and about 32° F, the building was being heated by two Liquid Gas Boilers at 170 F. The temperature in the 15,000 gallon water tank was 116 F.

These instances can only be explained by water being heated by HCC's Liquid Gas Boilers, the "back up" system. HCC pays for the fuel to heat water with those boilers.

- Is heated water from the Liquid Gas Boilers used to heat water in the 15,000 gallon storage tank?

All my concerns can easily answered with a simple meeting with the company and engineers that programmed the operation of the Liquid Gas Boilers, the "back up" system, and the active system "green" display located at a lower level in the Creative Arts Building. That company is **Harris**, a subcontractor of **Haynes Electric Construction Co**, who is a subcontractor to **Miles-McClellan**, Steve Parsons, the general contractor.

Harris engineers must fully understand all aspects of FLS energy generation to be able to switch the system over to "back up" when FLS fails to provide adequate energy for demand. They will have collected data on the system since inception, and this data can be correlated with my previous observations.

I would like to request that the Board of Trustees authorize that I and anyone the Board chooses to attend, a meeting with Harris personnel to discuss all aspects of the back up system operation, and have them be able to provide data collection information and other information that would be of assistance to provide the Board of Trustees with information on this system operation.

Remember, no one even knew HCC owned the Liquid Gas Boilers or who they were programmed by until I asked the questions. I will provide my findings to the HCC Board of Trustees for your inspection. Thank you for your consideration.

Sincerely,

Monroe A. Miller Jr.