

ANN ARBOR HYDRAULICS

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(734) 973-2585

November 17, 2008

Jacqueline Beaudry, City Clerk
100 N. Fifth Avenue
Ann Arbor, MI 48104

Ms. Beaudry and Councilpersons:

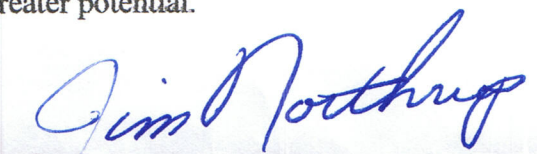
This evening, I made an appearance before City Council with a request in support of numerous solar energy research projects. Large fresnel lenses costs hundreds of dollars new, but are discarded everyday with older, nonfunctional rear projector televisions.

Trying to procure defunct TV sets from the general public has proved to be very time consuming, inconvenient and energy fuelish. It takes many hours combing Ebay and Craigslist to score each. They are very heavy, weighing upwards of four hundreds pounds, and are very bulky; removing them from houses and negotiating steps is difficult and dangerous, especially on wet, snowy leaves and grass! It also takes a great deal of time and effort to break down the cabinets. Normally the truck runs on Waste Vegetable Oil, but due to the cold weather and heavy viscosity of last years oil acquisitions, it has just been refueled with diesel (biodiesel wouldn't thin the WVO as well). Last week, two trips totalling 300 miles ate up many hours, lots of fuel and money.

My request is simply for permission to remove rear projection televisions turned in at the recycling center and then return them after extracting the screens, mirrors and lenses. On some sets, the screens may be removed on the premises in barely 2 minutes. The picture tubes will remain in the set. The truck has a liftgate and loading takes me only a couple of minutes, unassisted. There should be no inconvenience to the staff, there. In fact, I can cut the cabinet down to less than half it's size, making it easier to band on a pallet. The round trip from Ann Arbor Hydraulics to the Recycling Center is less than 2 miles.

Attached are drawings of my advanced "Stirling engine" featuring "constant breadth cams" in lieu of a crankshaft, which should be far more powerful and efficient than like technology. The "Stirling free cylinder engine" and the "light funnel" also under development, offer even far greater potential.

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CITY CLERK
REC'D
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Jim Northrup
Steamfitter & Welding Engineer

