

Alternative Energy Committee

February 14, 2012

1. Understand current energy use by location, type, and operation

- Electric use by meter & location (if more than one meter in given location)
- Laura creating excel spreadsheet and identifying locations relative to meters on billing - can this be sent ahead of meeting Laura?
- Other utility/fuels use
 - natural gas
 - heating oil
- What operations that use supports
- listing of functions, # of people
- lighting equipment list
- HVAC, boilers

2. Identify Opportunities for improved energy use & Create energy efficiency plan by location

- Lighting
- Insulation/ crack sealing
- Doors / windows
- HVAC / boilers / outside air supply / moisture control
- Roofing / siding

3. ID Renewable Energy Opportunities & Create power generation plan by location

- solar electricity
- solar hot water
- wind
- heat recovery

4. Get it done

- Prioritize locations and energy efficiency measures and renewable energy projects
- identify funding sources
- create funding plan and implementation plan
- Public education and explanation of the plan approvals as needed
- begin work
- commission and verify performance / improvements made document and publicize

5. Translate Town leadership into wider effort within the community

- Sustainable Hudson Valley's 10% challenge and Northern Westchester towns model
- Other opportunities to drive change locally

NOTES:

Review of kilowatt spread sheet. Missing police, water department on Ohioville, and water plant from “mountain”. Need to get usage information from schools and village. The schools are currently planning 50 million dollars in upgrades so an energy use audit would help.

Mr. Kacandes said as far as solar the Town hall and recycling would be fair locations. The highway was very good, and the Youth center not ideal. He said once the spread sheet is complete, it will provide information on how much energy needs to be created which will determine how many solar modules would need to be installed and how much it would cost. (i.e. the Town Hall may be \$170,000) .

Meridith Nierenberg, NYSERDA said there were several sources of funding available including the NYS Department of State due March 1st. This program is for projects that reduce municipal expenses and property taxes. For instance, it could cover LED exit signs, occupancy sensors, and upgrading the T12 lights. There is also a local government energy grant, and a Flex Tech program for doing an energy study that is 50% reimbursable.

Mr. Kacandas discussed a PV system. He said the usage determines the number of panels based on the standard ratings and conditions. He noted approximately 24 to 40% of energy is loss in transmission. A “take off” audit of fixtures, lighting upgrades, HVAC analysis. He offered to do an existing condition report including doors, windows, HVAC, fresh air exchange, and insulation so it could be used to secure grant funds.