



EEC Meeting Minutes Jan 8, 2014

Present: Charlie Case, Ben Brickett, Ed Henningsen. Note: Monique Lillis was unable to attend due to Skype computer issue.

Guests: Jack Murphy, Grant Hirst, Rosie Aleva (our Marshwood intern) was unable to attend

Call to order: 4:30 PM, Adjourned 5:30 PM

A. Approval of December minutes postponed due to lack of a quorum

B. Public Works Solar PPA Project Update – Ben reported that Fortunat Mueller from ReVision Energy met with both him and Charlie on December 12th to brainstorm about a possible large phase 2 solar array to be mounted on the capped landfill (the field south of the Transfer Station). We projected target electricity usage (projected in 2020) at 250,000 kw for municipal and 1,500,000 kwh for the schools for a total of 1,750,000 kwh. Fortunat pointed out that we should plan to limit any large installation to 660,000 kw to qualify for CMP net metering as we now have it with the Garage solar. This would mean implementing phase 2 in (2) steps, each with 660,000 kw (using 2,200 panels at 300 watts each) for a total of 1,320,000 kw. A side benefit is that we would then be able to power up to 18 other meters instead of only 9 with a single larger installation. A quick estimate showed that a system this large could power all municipal and 60% of the schools. An additional solar array (size and location TBD) would enable us to power 100% of the schools, but we would need to find additional land space for it. Fortunat estimated that it would cost between \$2.70 and \$2.90 per watt for a system of this size and type with some additional costs for CMP and engineering/preparation for the capped landfill site. He also commented that ReVision Energy does not make enough profit to benefit from the Federal 30% tax credit for a system this large. We would need to find an investor (hopefully a local one) that could benefit and would be willing to work with us. Fortunat reported that ReVision is now selling Renewable Energy Credits (RECs) in Massachusetts at 6 cents per kwh. Maine's price is only 1 to 2 cents because Maine accepts RECs for biomass RECs and Massachusetts does not.

C. Solar Project Budget Projection for Public Works and Police – Charlie completed an analysis for FY15 solar and it shows that solar power will cover all of the Garage and the Transfer Station as well (except only part Nov through Feb) and the Police Station will benefit every month (except Nov through Feb).

D. FY 12 & 13 Energy Inventory Status – Charlie reported that Monique now has all of the inventory data for FY12 and FY13 (including Gagnon) and has forwarded it to Charlie. Charlie distributed a draft inventory comparison from FY09 to FY13 and pointed out the large reduction in electricity usage for Sewer Pumps that resulted from the Public Works effort to reduce infiltration.

E. Planning for BOS Presentations on FY15 Budget, Solar Project and Inventory Status – Charlie distributed draft charts that cover both the EEC FY 15 budget request, and the EEC Energy Savings Strategy for the Town of Eliot. Charlie will incorporate comments received and further evaluate the FY12 and FY13 inventory data for incorporation into the charts. The date of our presentation to the BOS has not been scheduled yet.

Approved 3-12-14
C.A. Case