Meeting Minutes
Saco Energy & Sustainability Committee
April 26, 2016

Present: Howard Carter, Charlie Cotsis, Eric Cote, Andrew Goldberg, Bill Mann, James Ferguson, Jacqueline McDonough, Mike Garrity, Julia Bassett, Ron Michaud, Adam McNaughton, Joe Hirsch

Julia Bassett, Chair - Cape Elizabeth Alternative Energy Committee
- Julia Bassett works at Coldwell Banker in Saco
- She has sold net zero homes
- Has a commercial broker’s license
- Recently reformed energy committee in Cape Elizabeth
- Have had a few energy committee meetings in Cape Elizabeth, mostly professors and lawyers on committee, a lot smaller than Saco
- Wants to reach out to energy committees in surrounding towns to gain more information
- Cape Elizabeth has had an energy audit on municipal buildings eight years ago funded by a block grant
- Nine municipal buildings, two have been renovated, the fire station and library
- Municipal buildings in Cape Elizabeth are dated, would like an energy audit in the near future on municipal buildings
- $85,000 block grant in Cape Elizabeth spent on LED light conversion
- Swimming pool and spa at Cape Elizabeth high school consumes a lot of energy
- Cape Elizabeth doesn’t have wastewater treatment or water treatment, ships to Portland
- Cape Elizabeth ships waste and recyclables to ecomaine
- Falmouth has an energy consulting report and a full-time sustainability coordinator
- Would like to see renewable energy being taught at Cape Elizabeth schools
- Julia Bassett said she would like to have a summit conference with energy councils from surrounding towns and have them all meet in the Portland area

Natural Gas Expansion Update
- Update given by Howard Carter
- Four Unitil crews working right now, two downtown, one on Saco Island and one on Industrial Park Road, that will be the focus of this year
- Howard Carter talked to the construction manager from Unitil and was informed that their sub contractor NEWCO has good crews working in Saco
School Heating System Upgrade Status and Update
- Update given by Mike Garrity
- Schools still have underground fuel tanks, 10,000 gallon tank at middle school and one at C.K. Burns school
- Mike Garrity said he is sole sourcing to Oak Point Associates (they already have drawings from previous upgrades at the middle school) and to Siemens (who is the current service provider for controls)
- Oak Point Associates and Siemens have worked together at Oxford Hills school
- Taking out 45 year old steam boilers and converting to hot water oil boilers at middle school
- Thinking about going with propane or natural gas someday
- Mike Garrity has project timeline in Project Management program, said he can save file as PDF
- Howard Carter would like to see timeline on City of Saco website
- Still need to come up with final cost number
- Would like to order equipment in June and have everything running by mid September
- Andrew Goldberg was wondering if at any point will Oak Point Associates look into additional upgrades to middle school
- Mike Garrity mentioned that half of the middle school has already been converted to oil boilers
- Cafeteria, gym and library are the areas that the current steam boiler heats at the middle school
- Nothing will be done to the C.K. Burns school this year, the front part of the C.K. Burns school is still heated by a steam boiler, Mike Garrity thinks the steam boiler is still in good shape

Police Department Heating System Update
- Update given by Howard Carter
- Police Department will be converted to natural gas
- An RFP is being developed and the boiler should be completely installed by the end of this summer
- Cost of boiler and installation is expected to be under $100,000

Saco Middle School Parking Lot Lighting
- Led conversions are moving forward
- Lights in driveway will be replaced, with the possibility of addressing wall packs

Building LED Conversion Update
- The plan is to finish converting the rest of the municipal buildings to LED lights when LED rebates come back in July
- The City of Saco has their own electrical inspector, electrician and bucket truck which helps bring down cost
**Fuel and Electricity Spreadsheet Update**

- Update given by Jackie McDonough
- Jackie McDonough has been working with Dor Bender on a biweekly basis to keep the fuel database up to date
- Dor Bender and Jackie McDonough are still working to bring the electricity database to current
- Jackie McDonough created a fuel usage spreadsheet from the fuel database and entered into the spreadsheet bid quantities in gallons which were obtained from the Maine Power Options agreement
- The Maine power Options agreement for heating oil runs from July 1, 2015 through April 30, 2016, the agreement for diesel and gasoline runs from September 1, 2015 through April 30, 2016 with the exception of public works which runs to August 31, 2017
- Need to obtain school fuel information from Mike Garrity
- Howard Carter mentioned that a lot of municipalities use Maine Power Options
- Parks and Recreation use quite a bit of propane
- Adam McNaughton was wondering if buildings and vehicles can be broken out in the spreadsheet
- Ron Michaud thinks including heating degree days in the spreadsheet would be helpful

**Solar Farm Update**

- Bill Mann said solar farm just to feed municipal buildings, tie to grid, would consider to include commercial users if creates jobs

**Electric Car Charging Stations**

- Andrew Goldberg and Alex Mouzas will go over in more detail at next meeting
- Andrew Goldberg thinks chargers should be somewhere on Main Street in Saco so people can find the chargers via GPS
- Hannaford has already installed two level two electric car chargers, one in Scarborough and one in Camden
- Electric car chargers cost around $75,000 per charger
- Different levels of chargers (1,2 & 3)
- Nissan is running a “no charge to charge” program, they pay for chargers and installation as well as electricity used to charge vehicle
- Hannaford installing chargers in Maine and Vermont
- Takes 20-30 minutes to charge half way
- Charger stations not all compatible
- All motors are DC
- Some cars have inverters that convert AD to DC
- If you give straight DC power, charges a lot faster
- Andrew Goldberg mentioned it would be good to work with a company like ReVision Energy who installed the Scarborough and Camden level two chargers
- Level two charger looks like a thicker dryer cord
- Tesla gets around 200 miles per full charge
- Nissan, Tesla and BMW all offer electric vehicles
• Howard Carter thinks it would be a good idea to track data on the usage of the electric car charger at Pleasant Hill in Scarborough
• Andrew Goldberg said electric car companies look at how many people have electric cars registered in each area, this data helps them to determine the best locations to place chargers
• Howard Carter mentioned Saco could provide the parking space and let a third party provide the charger
• Would need to be ADA compliant
• Gauge in car as well as phone application would show charge level
• Charging stations are open 24/7
• Due to electric vehicle conference in Montreal, Hannaford is installing chargers in St. Albans and Bradford Vermont
• York Maine Hannaford will be installing a charger soon
• Howard Carter thinks we should run the electric car charging station idea by council and contact electric car companies for more detail
• Ron Michaud thinks there should be an electric car charging station at the train station

**EPA Funding for Natural Gas and Propane Busses**
• Did not address at this meeting

**Facility Director Position Update**
• Sustainability Manager position is in budget

**Action Items**
• Ask IT if school heating system project timeline can be put on the City of Saco website
• Jackie McDonough to obtain school fuel information from Mike Garrity
• Andrew Goldberg and Alex Mouzas to go over electric car charging stations in more detail at next meeting
• Andrew Goldberg to look into tracking data on the usage of the electric car charger at Pleasant Hill in Scarborough
• Obtain information from the City of Saco vehicle registration regarding the number of electric vehicles registered in Saco

Next meeting May 31, 2016