Meeting Minutes
Saco Energy & Sustainability Committee
March 29, 2016

Present: Howard Carter, Charlie Cotsis, Eric Cote, Alex Mouzas, Andrew Goldberg, Bill Mann, James Ferguson, Jacqueline McDonough, Mike Garrity, Bob Hamblin, Ed Profenno and Nathan Johnson

Saco Energy Fair Recap
- Andrew Goldberg attended the Saco Energy Fair, steady crowd, thought the groups did well
- Andrew Goldberg also mentioned that Unitil explained reasons for converting and constructing natural gas buildout
- The Greater Portland Sustainability Council gathered information from those who attended the Saco Energy Fair, committee to ask Jeff Edelstein for attendees email addresses
- Eric Cote also attended the Saco Energy Fair, he thought it was a nice set up, had a good conversation with a solar company

Energy Bond Status and Update
- Mike Garrity said school board voted to replace boilers at the middle school
- Updates were made to the middle school in 2001, ran hot water lines through the class rooms, did not update the boilers at that time, boilers are now over 40 years old, 5 ft high 4 feet wide, preferred burners, can’t find parts anymore so now custom make parts, coils are starting to go and leak and cost between 8-10 grand each
- Mike Garrity is looking at around 3-4 weeks of design work, proposing to work with Oak Point Associates and Siemens, then at 40-50% design phase go out to bid
- Howard Carter mentioned the city purchasing policy, anything over $8,000 needs to go to bid, also, Oak Point Associates is not a preferred vendor for city
- Howard Carter said the police department needs a boiler, Cheryl Fournier may want to put PD and middle school boilers out as one RFP
- Mike Garrity said he would like Oak Point Associates to be a city preferred vendor
- Mike Garrity would like to talk to Cheryl Fournier about bypassing the bidding process, boilers are failing regularly and he would like to do the project in summer 2016
- Mike Garrity to consider natural gas boilers at middle school, to contact Unitil
- Andrew Goldberg said natural gas line can go under 112 or go under the turnpike
- Depending on how fast the middle school boiler project moves, Andrew Goldberg recommended starting with propane and then convert to natural gas
- Howard Carter recommended non-condensing boilers
- Middle school building is over 100,000 sq feet
• Estimated cost to replace boilers at middle school is $265,000
• Estimated cost to replace boiler at police department is around $85,000
• Ed Profenno would like to put LED lights in street lamps at middle school parking lot, project costs between $7,500-$8,000
• Howard Carter said we don’t have the LED rebates like we did before
• Ed Profenno mentioned LED rebates coming back July 1, 2016
• Bill Mann was wondering if we can get a rebate for the whole fixture not just LED bulbs
• Mike Garrity mentioned that parks and recreation and the community use outdoor space at the middle school in the summer
• There are 14 street lights at the middle school, 4 of them are not working
• Andrew Goldberg said getting photo cells on wall packs will save money
• Solar lights cost $1,000 each, there is one on Richards Way, Sofia Road and one on the shelf not currently being used
• Solar lights stay on at 30% then go to 100% when someone passes under them
• According to Ed Profenno, LED lights are 90% installed at the police department, 100% installed at city hall, 80% installed at public works, LED lights on second floor at central fire station still need to be installed, other parts of the fire station complete
• Ed Profenno thinks street lights would be next for conversion after municipal and schools, anything that is metered should go to LED
• Andrew Goldberg would like to see natural gas at the middle school, no air conditioning in the middle school per Mike Garrity, Andrew Goldberg thinks the middle school should consider mini splits
• Mike Garrity said Young school has air conditioning
• Mike Garrity would like the middle school boiler project completed by September 1, 2016
• Eric Cote was wondering if any schools use heat pumps
• Some schools have geo thermal
• Eric Cote was wondering about police department boiler bid, no bidding yet per Howard Carter, Mike Garrity thinks the middle school needs its own RFP
• Eric Cote would like to see the police department boiler installed in summer 2016
• Set up meeting with Pat Fox, Cheryl Fournier and Mike Garrity about bond money

Fuel and Electricity Spreadsheet Update
• Jackie McDonough has entered all of the City’s fuel data into a Microsoft Access database
• The fuel database contains the following: Fiscal year, GL account number, invoice date, gallons, natural gas CCF (1 CCF = 100 cubic feet), rate, invoice amount paid, fuel type and vendor name
• All of this information can be filtered or put into a query
• Jackie McDonough is still working with Dor Bender to bring the electricity database to current
• The electricity database contains the following: Fiscal year, CMP account number, read date, kilowatts, delivery price, delivery total, supply price, supply total, service/demand charge and invoice amount paid
The database will need to be constantly updated to stay current
The database will be updated on a monthly or semi-monthly basis by Jackie McDonough or Dor Bender

Solar Farm Update
Bill Mann said the Foss road would be a good place for a solar farm
Bob Hamblin said he thinks there is farmland on capped landfill so no place for a solar farm on Foss road
Andrew Goldberg said you can get about 250kW out of an acre, doesn’t think you need alot of land to make a solar farm
Committee needs more clarification about Foss road land layout

Solar Saco Citizen Interest Update
Bill Mann said Kevin Sutherland is going to review draft

Facility Director Position Update
Facilities manager position put into budget, not passed by council yet

New Business
Howard Carter mentioned having Saco join the Regional Energy Working Group, which is a statewide clean energy group
Alex Mouzas spoke to Barry Woods about electric car charging stations
Howard Carter thinks the city should have an electric car charging station at the train station
Andrew Goldberg is currently working with Tesla and Nissan to install electric car charging stations at Hannaford
Andrew Goldberg doesn’t think an electric car charging station will be installed at Saco Hannaford, only in the Portland area for now
Electric car charging stations should be placed in areas where consumers will be occupied for at least 30+ minutes, for example, at a shopping market, not at a gas station
Andrew Goldberg to email information about electric car chargers to committee
Level three charger takes 45-60 minutes to charge
James Ferguson said municipal parking lot would be a good place to put an electric car charging station
Bill Mann said the city is putting together a map of municipal parking areas
James Ferguson mentioned the Netherlands have solar heated roads
Alex Mouzas said the Saco Yacht Club is taking video of the river with a drone and the WRRD could possibly use parts for the treatment plant, going to film in summer 2016
Bill Mann said make sure we get rights to the drone video
Howard Carter mentioned WRRD is making a video for public outreach
Andrew Goldberg mentioned EPA will be funding propane powered busses, will send information to committee
Andrew Goldberg said most Hannaford stores are heated from refrigeration equipment, Howard Carter and Alex Mouzas would like to see heating equipment at Hannaford

Action Items

- Contact Jeff Edelstein regarding the city of Saco joining the Regional Energy Working Group
- Ask Jeff Edelstein for Saco Energy Fair attendees email addresses
- Andrew Goldberg to email information about electric car chargers to committee
- Set up meeting with Pat Fox, Cheryl Fournier and Mike Garrity about bond money
- Obtain clarification about Foss road land layout for solar farm
- Andrew Goldberg to send information to committee regarding EPA funding propane powered busses
- Andrew Goldberg to show Howard Carter and Alex Mouzas heating equipment at Hannaford

Next meeting April 26, 2016