BRIAN SMITH - CHAIR ERIC BROADBENT - VICE CHAIR LIAISONS: BILL BLACKWELL DAVID FAY FORREST HODGKINS

ASSOCIATE MEMBERS:

RENÉ ROY TIM CLARK, BOARD OF SELECTMEN PAT WENGER, SCHOOL COMMITTEE KEITH CHEVERALLS, CAPITAL PLANNING

Meeting Minutes 5/25/11

Attendees: B. Smith, B.Blackwell, F. Hodgkins

Action / Topic	Meeting Discussion/Status
1. Approve the previous meeting minutes.	The minutes of the 5/11/11 meeting were approved.
2. Solarize Program	5/12 Meeting – 63 people attended to learn about the program, Worth Robbins is working to publicize the program on Facebook, town site, googlegroup, etc The CEC Solar 101 workshop is scheduled for 5/31.
3. Energy Retrofit Projects	 See Attachment (1) for a list of projects, status and next steps. Green Community Grant Program – Lorraine Leonard will put together summary documents about the procurement process requirements for Green Communities grant projects. Lorraine and Tim are also working on clear guidelines for department heads to follow for reporting and financial accounting for GC projects.
4. Other Items	 a. Still River Fire Station – The Fire Chief asked about a lighting upgrade for this building. It was not included in the previous audit because of the minimal use which may be misunderstood. Bill will call previous auditor to see if they can audit this building. b. July 4th parade – HEAC is invited to participate, specifically with a solar or efficient vehicle.

ENERGY COMMITTEE PROJECTS

Building	Project	Status Category	Status	Next Steps	HEAC Contact	Planned Complete
	rogress or Planned			•		•
FY11						•
Bromfield High	Solar Panels - 5 kW system	In Process	Equipment procured.	1. Obtain approval of Building inspector.	Bill B	Jun-11
School			5/11 - Final Drawings done. Drawing submitted to	2. Install structural roof supports.		
			inspector for permit 5/16.	3. Connect to electric grid.		
			5/25 - School Committee approval not required for	4. Set up DAS and educational plan.		
			mounting change.	5. Arrange PR.		
Bromfield High	Mechanical Upgrades - DCV, BAS	In Process	1. Equipment Installed.	1. B2Q to provide list of repairs to equipment discovered	Brian S	May-11
School	Upgrade, Retrocommissioning,		2. 5/25 B2Q waiting for controls contractor to provide	during the retrocommissioning.		
	RTU Fan VSDs		list of items that require repair.	2. Need final Ngrid signoff.		
				3. Electrical issues regarding electrical protection to be		
				evaluated.		
Bromfield High	Mechanical Upgrades - Options -	In Process	Equipment Installed	1. Need final Ngrid signoff.	Brian S	May-11
School	Boiler HW VSDs, Pneumatic					
	Controls Conversion					
Hildreth	Boiler HW VSDs and Digital	In Process	Equipment Installed	1. Need final Ngrid signoff.	Brian S	May-11
Elementary	Controls					
School						
Town Hall	Energy Monitoring	In Process	4/27 - 5/25 - Dave Woodsum reviewed the monitoring	1. Evaluate what circuits at Town Hall to monitor or	David F	May-11
			equipment and electric panel.	whether to monitor a different building.		
			5/25 - Completed circuits in Town Hall make this			
			project more difficult than expected.			

FY12						
Hildreth	Mechanical Upgrades - DCV,	Funded	1. Scope defined and updated in Jan 2011 by B2Q.	1. Need official confirmation of Ngrid incentives.	Brian S	Q4 2011
Elementary	New BAS, Retrocommissioning	Planned	2. B2Q to contact Ngrid superiors to expedite incentive			
School			approval.			
Police Station HVAC / EMS Upg	HVAC / EMS Upgrade	Partially	1. Determining the controls and boiler replacement	1. Ngrid to arrange B2Q to perform engineering audit.	Brian S	Q4 2012
		Funded;	changes with the largest impact and lowest cost.	2. Compile results of investigation.		
		Planning	Investigation has included a site visit, Fitchburg Heating	3. Recommend mod to GC grant proposal based on B2Q		
			history review, Chief interview, B2Q site visit, EED	proposal.		
			audit.			
			2. Ngrid agreed verbally to a WBA evaluation.			
Fire Station	Replace Boiler	Funded	Boiler quoted for budget estimate in Dec 2010 by	1. Review with new Fire Chief.	Forrest H	Q4 2011
		Planning	Fitchburg Heating.	2. Prepare short bid request and obtain 3 updated bids		
				(one from Fitchburg Heating).		
Town Hall	Energy Study of Building	Funded	Study to be integrated with design effort.	1. Contact Ngrid to see if work needs to be implemented	Eric B	Q4 2011
	Envelope	Planning		first.		
Bromfield High	Gas Installation	Funded		1. Ensure special natural gas rate provided by Ngrid.	Forrest H	Q3 2011
School		Planning		2. Review project status with Mark Force - funded in FY12.		
FY13 and Future						

ENERGY COMMITTEE PROJECTS

Active					
Transfer Station PV Site	Solar PV Array 250 kW min PPA	4/14 reviewed Scituate experience with Scituate DPW Director Al Bangert. Discussed landfill history with Tim Bragan. Landfill covered in early 80's prior to EPA regulations.	 Determine if Solar PV can be installed on uncapped landfill without capping. Layout planning process. 	Brian S	Q3 2012
Not Active				-	-
Town Hall & Fire Station	Insulation				Q4 2011
Town Hall	HVAC System Replacement/ Insulation	Assume 20% savings on baseline energy for heat			Q3 2013
Town Hall & Fire Station	Heating Controls - TH Heat Zones; FS Door Timer & Thermostats				Q3 2011
Public Library	Recommission EMS				Q1 2013
Public Library	Volunteer Hall Fan VSD, heating system outdoor reset control				
Hildreth Elementary School	Secondary Boiler(not burner)	Pursuit of MSBA and GC funds cancelled Mar 2011		Eric B	FY12
Hildreth Elementary School	K Wing Windows	Pursuit of MSBA and GC funds cancelled Mar 2011		Eric B	FY14
Bromfield High School	Secondary Boiler				
Fire Station	Remaining Projects from EED Audit				
Bromfield High School	Solar PV Array Roof PPA				
Bromfield High School	Solar Thermal for Kitchen				
Hildreth House	HVAC System Replacement/ Insulation				Q3 2013
Hildreth House Old Library	Energy Audit HVAC System Replacement/ Insulation				Q3 2013
Town Highway Building	Remaining Projects from EED Audit				FY13
	Energy Audit				
Pond Pump	3 Phase Power?				
Town Buildings	Energy Monitoring System	Integrate with Schools BAS interface			