

Belmont Energy Committee Meeting Minutes – June 8, 2010

Attendees: *Glenn Clancy, Andrew Healy, Jan Kruse, Tony Alcorn, Christine McVay, Ian Todreas, Roger Colton, Peter Castanino, Jenn Santoro, Tim Richardson, Bob Martin, Allan Vanderley*

Roger opened the meeting at 8:02 PM and asked each attendee to introduce themselves and to briefly note their organizational association.

Roger handed out a copy of the document “A Working Vision for Belmont’s Future” and made available three copies of the sections of the Town of Belmont Comprehensive Plan.

Roger proposed that this meeting, and a number to follow, should be taken up with setting objectives and priorities.

The minutes of the last meeting were read, corrections made and the minutes accepted.

Tony passed out a non-confidential version of the Sustainable Belmont business and institutions survey summary.

Roger led the discussion of identifying objectives. He asked attendees to relate the objectives they had developed. This was an assignment all members agreed to do at the last meeting. Attendees spoke as follows:

Tony:

- As the last ESCO report seems to be for the year 2006, the annual reports for the intervening years should be completed to give visibility to the ongoing dollar, energy and water savings.
- Collect and compile the electric power, fuel oil, natural gas and water used, as well as heated floor space for each municipal building. This creates a baseline going forward and may identify which municipal buildings to address first.

Jan:

- Set five year goals for reducing CO2 emissions by municipal, residential, and business/institutional sectors, recognizing that the overall goal is an 80% reduction by 2050.
- Develop a comprehensive outreach educational program for CO2 reduction.
- Discuss whether Belmont should become a Green Community in Mass. (*This proposal evoked pro and con discussion between attendees.*)
- Develop strategies to encourage biking and walking in Belmont.
- Increase walking pathways and use of public transportation.

Allan: (see attachment)

- First Year Plan: Within the first year, complete and follow up outstanding or incomplete initiatives, including but not limited to, ESCO-energy service company projects specifically related to municipal projects.
- Three Year Plan: Within the first three years, establish performance based standard criteria through bylaw or regulations.
- Five Year Plan: Within the first five years, establish an eighty-percent energy reduction or savings for all municipal capital projects.

Roger:

- Have all rehabbed buildings meet energy efficiency standards.
- Transportation: Increase auto options;
 - Increase zip car locations
 - Increase use of Amtrak stations
- Energy Zoning: Complete a review of the zoning code:
 - Eliminate impediments to energy efficiency options (i.e. outdoor clothes lines, solar panels),
 - Eliminate impediments to renewable energy generation initiatives.

These proposals evoked a discussion in which it was clarified that the Historic Preservation Commission derives its authority from state regulations, not the town zoning code.

- Increase the penetration of energy retrofit to existing homes (i.e. energy efficiency mortgages and limited tax breaks for those who undertake energy efficiency rehabs).

Glenn clarified that the state wide 40A code has requirements for energy efficiency and does not allow impediments to renewable energy projects. Glenn further related that the town has issues in permitting energy efficiency projects in the commercial/business sector (i.e. the Payson Park solar initiative) and suggested that a new special permit process may be needed.

Ian:

- Increase the CO2 efficiency of the residential fleet
- Encourage charging stations for hybrid vehicles
- Encourage the use of bio-fuel blended transportation fuels
- Encourage drivers to keep tires at a correct pressure and keep unnecessary loads out of vehicles.

Chris asked what BMLD is doing about energy. Tim responded at length on the BMLD programs. He agreed to distribute copies of a description of the BMLD programs to committee members.

Glenn related his assessment that most of the proposed objectives fit into one of four categories:

- 1) Transportation
- 2) Residential
- 3) Regulation
- 4) Commercial/ business/institutional

Glen also noted that the new statewide energy code, IECC-2009, which goes into effect on July 1, 2010, is more stringent than the current code, and that inspections will require more time, complexity and special equipment (i.e. blower door set up), all of which are problematic. The Stretch code is more stringent than IECC-2009 and might be more problematic again. He related the need for folks in the energy conservation movement to help the broader community understand the new codes and what they mean to the town, local businesses, and residents in general. Tony suggested that he could distribute a slide show he has which explains the IECC-2009 and the Stretch codes.

Allan supported being advocates of education about the benefits and good that would come from the new energy code, as well as the impact it may have on property rights.

Jan proposed that different committee members are better suited to speak to specific community sectors.

Roger asked what the issues in the schools are, that we don't know about and should. Bob responded that the schools are energy intensive, and that they are looking to do upgrades to improve energy efficiency, and to move from oil to natural gas. However, this is dollar intensive and hard to do just now. They are looking at other possible ESCO projects.

Roger asked Peter if there any blind spots for us in DPW. Peter responded that the town has a policy of purchasing economical/fuel efficient vehicles. He also stated that the department did a study and found they could not justify the purchase of hybrid vehicles. Peter also spoke about a study they did to centralize DPW facilities. This could achieve some savings, but the implementation cost was too expensive.

The meeting was adjourned at 9:20 AM.

Recording Secretary

Tony Alcorn

Attachments:

1. Belmont Energy Committee, June 8, 1010 - Considerations by Alan Vanderley
2. Business and Institutions Energy Use Survey by Sustainable Belmont, Submitted by Tony Alcorn

Belmont Energy Committee
June 8, 2010

Considerations
by
Allan Vanderley

1.
One Year Plan

Within the first year, Complete and follow-up on outstanding or incomplete energy initiatives, including but not limited to, ESCO-energy service company projects specifically related to municipal capital projects.

2.
Three Year Plan

Within the first three years, establish performance based standard criteria through bylaw or regulations.

3.
Five Year Plan

Within the first five years, establish an eighty-percent energy reduction or savings for all municipal capital projects.

CAP BUSINESS SURVEY SUMMARY-- for the year 2007

Cat	Co Name (Billed to Account N	BIMLD kWh/yr 1/14/08	Nat Gas Therms /yr	Oil Therms /yr	Heated Space Sq ft	Gas+oil Therms sq ft/yr	kWh sq ft/yr	Hours of operation per yr	# of Employ	Space heat/g	Hot water	kWh/yr per sq ft per hr
1	DRY	32,203	4,588		2,000	2.29	16.1	3,640	3.5	NG	NG	4.42
2	CLB	1,198,512	9,282	52,291	50,000	1.23	24.0	6,552	60	O	O	3.66
3	SCH	531,600		196,000	61,000	3.21	8.7	2,080	65	O,E	O,E	4.19
4	MED	28,705	846		1,500	0.56	19.1	2,000	8	NG	NG	9.57
5	CLB	444,960	20,074		20,690	0.97	21.5	5,512	17	NG,E	NG	3.90
6	SCH	1,288,687	159,544		231,000	0.69	5.6	3,120	135	NG	NG,E	1.79
7	MED	706,200	29,997		50,000	0.60	14.1	8,736	160	NG	NG	1.62
8	MED	33,366	1,284		2,500	0.51	13.3	1,872	7	NG	NG	7.13
9	BNK	357,400	6,600		13,885	0.48	25.7	2,184	80	NG	E	11.79
10	HBY	32,050	72		2,100	0.03	15.3	2,834	6.5	NG	E	5.38
11	RTL	55,297		2,100	4,700	0.45	11.8	3,692	13	O	E	3.19
12	REL	157,029	9,142						10	NG	NG	
13	RTL	23,710		819	3,000	0.27	7.9	2,652	8	O		2.98
14	PZ	107,502	8,863		2,000	4.43	53.8	4,004	4	NG	NG	13.42
15	BNK	124,053			3,500		35.4	2,366	7	GSH	GSH	14.98
16				1,820	9,200	0.20		3,458	15	NG,?	E	
17	BNK	108,160	605					2,496	7	NG	E	
18	AUT	1,499,991	4,539		42,231	0.11	35.5	3,354	2	NG	E	10.59
19	PRO	5,667	348		1,500	0.23	3.8	2,000		NG	NG	1.89
20	PRO	10,436		1,246	1,600	0.78	6.5	2,340	2	O	E	2.79
21	PER	10,846	456		1,400	0.33	7.7	2,000	9	NG	NG	3.87
22	REL	98,922	16,008		17,838	0.90	5.5			NG	NG	
23	DRY	48,283		5,880	4,000	1.47	12.1	3,588	5	O	O	3.36
24	PET	6,176	469		480	0.98	12.9	1,872	1	NG	NG	6.87
25	PER	7,570	109		275	0.39	27.5	2,000	1	NG,E	NG	13.76
26	RTL	17,463	1,877		12,600	0.15	1.4	2,808	13	NG	E	0.49
27	PRO	162,477			4,900		33.2	2,600	13	O	E	12.75
28	DRY	9,326	424		700	0.61	13.3	3,744	1	NG	NG	3.56
29	RES	13,984	2,756		1,100	2.51	12.7	2,808	5	NG	NG	4.53
30	PRO	5,667	348		1,500	0.23	3.8	2,080	1	NG	NG	1.82
31	MED	12,143,327	10,500	492,800	491,328	1.02	24.7	8,736	1,163	NG	NG,O	2.88
32		11,667	133		600	0.22	19.4	2,808	1	NG	NG	6.92
33		??		224	240	0.93		2,080	1	O	NG	
34	RES	115,260	932		3,000	0.31	38.4	2,444		NG	NG	15.72
35	REL	45,854	15,881					4,732	7	NG,E	E	
36	RTL	29,166			1,650		17.7	2,340	4	O	O	7.55
37	res	91,604	5,654		1,075	5.26	85.2			NG	NG	
38	FOD	2,525,600	33,122		60,000	0.55	42.1	8,736	198	NG	NG,R	4.82
39	RTL	44,044		420	2,300	0.18	19.1	3,692	6	O	E	5.19
40	BNK	51,073	720		2,077	0.35	24.6	2,366	5	NG	E	10.38
41	RES	??			2,650			3,172	30	NG	NG	
42	PER	7,139	1,026					2,080		NG	NG	
43	PRO	223,134	4,266		12,000	0.36	18.6	3,120	70	NG	NG	5.96
44	RTL	144,963	4,679		12,800	0.37	11.3	3,328	60	NG	NG	3.40
	Town of Belmont	9,715,602	175,807	514,182	915,000	0.75	10.6					
	TOTALS	32,274,595	530,953	1,267,782	2,051,919	0.88	15.7					