

**Minutes:** June 1, 2015

**Group:** Brattleboro Energy Committee

**Town Energy Coordinator:** Paul Cameron

**Attendees:** Michael Bosworth, Jason Cooper, Lester Humphreys, Kathleen White, Chad Simmons, Tad Montgomery, Thomas Finnell, Bob Reuter, Milton Eaton

**Guest:** Nathanal Brooks, Katherine Parlin, Dan Ingold, Al Bartsch, Rumby Vushe

<b>Topic</b>	<b>Discussion</b>	<b>Action</b>
A). Call to order, Agenda review, approval of minutes	-Discussion of May 4 <sup>th</sup> minutes.	Approval of minutes: 6 yays, 0 nays, 2 abstains
B). Check-in, Introductions, Announcements	Announcements: -Monday, June 8 <sup>th</sup> Solar workshop at Marlboro Grad starting at 5:30pm -Tue, June 16 <sup>th</sup> , public forum on PACE and Heat Saver program from Efficiency VT. 5:30pm at Marlboro Grad -Sat, June 20 <sup>th</sup> , Renewable Energy VT is sponsoring a "Celebrate Solar" tours across the state, including a few in region -Michael handed out copies of the Brattleboro Solar Summer brochure -Anyone interested in joining the energy committee, contact Jan with the town asap.	
C). Presentation on Winstanley Solar Project (Dan Ingold)	-2MW projects. SPEED projects get distributed amongst utilities -Winstanley gets paid at set rate by state fund...which comes from utilities -2 projects: -First project: 500kw net-metered project at 88 Technology Dr. will take up lower plateau. -Clients will be BMH and one other, yet to be announced -Total project about 5 acres and total plot of land needed for panels is 2-3 acres -Agreed to follow aesthetic guidelines set by Windham Regional Commission and Town of Brattleboro -This means it will barely be visible (last two rows) from the I-91 bridge -Agricultural soil was stripped on this site in the 1980s. During original tests, found anywhere between 0" to 2" of topsoil. -As project moves forward, encouraging -2 <sup>nd</sup> project, GLC Powersmith, located	

	<p>on Exit 1 Industrial Park (on way to Guildford)</p> <ul style="list-style-type: none"> <li>-7.1 acre parcel.</li> <li>-500kw net metered project</li> <li>-\$2k will go directly to town from both these projects (“Capacity Tax” this is the default tax. \$8/kw). ½ tax goes to state education fund ½ goes to town.</li> <li>-Question as to what the town of Brattleboro sees as the default tax rate. Sandia or “Capacity Tax”</li> <li>-No homes will see this site. May be seen on I-91 Southbound, but very minimally</li> <li>-Directly behind GS Precision</li> <li>-Third project is the WSWMD project.</li> <li>-Pristine Sun is the winning bidder and hired Integrated Solar for the install and hired Powersmith for the permitting and admin</li> <li>-Looking to do 4MW, net metered</li> <li>-45 day letter went out</li> <li>-Working with municipalities, schools</li> <li>-Brattleboro is concerned that the WSWMD is billed on a percentage basis and not cascading</li> <li>-Paul is following up with Roger Dostiss at GMP to figure out billing</li> <li>-This will limit how much credit the town can take</li> <li>-If you have questions or concerns, contact Dan</li> <li>-Would be interested in participating in Solar Tour</li> </ul>	
<p>D). Presentation on Wastewater Treatment Plant Energy Analysis – West Hill Energy &amp; Computing- Kathryn Parlin and Al Bartsch</p>	<ul style="list-style-type: none"> <li>-Started with question: What were the expectations of this project?</li> <li>-High expectations. Saving energy and reducing carbon and methane footprint. High expectations of energy reduction</li> <li>-Also, expectation that Efficiency VT was working closely with engineers</li> <li>-In past, we had an engineer from project share that the financial pleasures of project had energy saving aspects of project taken off.</li> <li>-In hindsight, Energy Committee should have been more involved</li> <li>-Moving forward, Energy Committee looking at encouraging projects take a “life cycle analysis” of project cost</li> </ul>	

	<ul style="list-style-type: none"> <li>-As far as we know, this life cycle analysis was not done on this project</li> <li>-Presentation: Brattleboro Waste Water Treatment Facility. Energy Impacts of Renovation. Brattleboro Energy Committee. June 1, 2015</li> <li>-Presentation slideshow available</li> <li>-Hired by VT Dept. of Public Service</li> <li>-Efficiency VT bids in entire portfolio to ISO-NE (Independent System Operator- New England)</li> <li>-Savings of waste water treatment project about 30% lower than claimed savings</li> <li>-Micro turbine is the methane capture</li> <li>-This is just a monitoring and evaluation project. Recommendations and proposals not involved in this project</li> <li>-From this point, after the analysis, a “realization rate” devised. Efficiency VT then adjusts their claims based on analysis.</li> <li>-VT bids a certain amount. If that amount can’t be met, it has to be made up some how (i.e. purchase additional capacity)</li> <li>-This treatment plant can take in waste from outside the boundaries of the town of Brattleboro</li> </ul>	
E). Subcommittee Reports:		
1. Energy Efficiency a. Town Energy Efficiency Plan/Audits	<ul style="list-style-type: none"> <li>a. Town Energy Efficiency Plan/Audits</li> <li>-Narrowed firms down to three.</li> <li>Interview scheduled later this month</li> </ul>	
2. Solar Summer	<ul style="list-style-type: none"> <li>-Going strong.</li> <li>-BS&amp;L signed on as co-sponsor and going 100% solar. Making an announcement June 23<sup>rd</sup></li> <li>-Looking for more volunteers</li> </ul>	
3. Integrated Energy Systems	<ul style="list-style-type: none"> <li>-Met on May 11</li> <li>-Talked more about micro grids, looking at possibility in the future</li> <li>-Looking at possibility of doing feasibility study</li> <li>-Looking at inviting GMP to consider doing micro grid in Brattleboro</li> <li>-Consider having discussion at future meeting</li> <li>-Have Kirk Shields (GMP) come earlier</li> </ul>	

	to talk about micro grid	
4. PACE	-PACE forum on June 16 <sup>th</sup> -If interested in applying for PACE, contact Efficiency VT	
5. Transportation	-GMP wants to place 5, fast-powered electric stations across the sites that would be municipal owned. Fast charger plus two level-two chargers -Looking at a couple of possible sites in Brattleboro. Meeting on June 12 at 11am. -Are charging stations at Price Chopper being used. Yes	
F). Feedback and next meeting, topic, speaker	-Will not have July meeting -Next meeting, Monday August 3 <sup>rd</sup> , 5-7pm at the Hanna Cosman Room, Brattleboro Municipal Center -Mike Aurebach interesting at taking Project Atlantic statewide. Would like to come to a future meeting. -Focus August meeting on orienting new committee members and do strategic planning	