BRISTOL ENERGY COMMITTEE

Agenda – 3-30-15 Meeting – 6:30PM

Town Offices – Holly Hall

Members:

Dave Cobb

Mike Corey

Bob Donnis

Brendan Gallivan

Wendy Mcardle

Matt Sharpe

(Note: names highlighted in blue below are responsible for that topic)

Agenda:

1) Call to order - Bob
2) Introductions - All
3) Brief overview of Open Meeting Requirements - Bob
4) Agenda item updates
5) Public Comment
6) Fuel Assistance Amendments Sign Off
    a. Need signatures of Brendan, Mike, Bob on amended Groundrules
7) Street Light Update – Bob
8) Discussion of detail Projects – see below - all
9) Adjournment:

DETAILS OF MEETING FOLLOW:

Goal 1: **Become *THE* resource for all matters relating to Energy in Bristol**

The aim is to become the recognized energy authority in Bristol to provide expert advice and/or connect users with experts to evaluate energy saving opportunities for savings, costs, financing, payback periods, grants, etc

Strategies & Actions:

- **More participation in Town municipal policy and decision making**
  - **Met with the Select Board on Feb 2**
  - **Presentation of our Goals and Strategies**
  - **Well accepted by the Board**
  - **To date 2 projects have been directed our way via the Town Manager**
    - **New Firehouse Design – details below**
    - **Upgrade of 3 water pumps that pump water up to the reservoir tank – details below**
- **Agreement with the Planning Commission on the same**
  - **Meeting scheduled for Mar 16 at 7pm at Holly Hall**
  - **Presentation of goals, strategies and projects/actions – all BEC members as possible**
- **Agreement with the Facilities manager(s) of Addison North East Supervisory Union on the same (Mt Abe and Bristol Elementary School)**
  - **Discussion of BEC assistance to schools**
    - **Solar on Mt Abe**
    - **Solar lights on path between Liberty St and Mt Abe**
    - **Identifying efficiency opportunities**
    - **other**
  - **Set up Meeting – Bob**
- **Outreach to other groups – action is TBD**
  - **Farms**
  - **Bristol Downtown Community Partnership**
  - **Mt Abe Environmental Club**
    - **Report on mtg help 3/10 - Bob**

GOAL 2: Disseminate Energy Information to all Townspeople/Organizations

The aim is to reach as many people/organizations as possible with energy saving information to generate interest in actions they could take that would make a difference. Provide connections to learn more details – websites, experts, BEC members.

Strategies:

- **Provide information that may lead people to take action**
  - **Weekly/periodic energy tips on Front Porch Forum.**
    - **Discussed tips posted to date**
      - **LEDs – Wendy**
      - **Heat Pumps – Wendy**
      - **Idling – Wendy**
      - **Ice Dams on Roofs – Bob**
    - **Agreed on Guidelines for Tip postings**
      - **See attached**
    - **Created a list of future tips to posted (see attachment)**
      - **Agreed on sequence of the next 5 tips**
        - **Programmable Thermostats –Wendy**
        - **Home Energy Audits – Matt**
        - **Electrical usage web access from GMP – Bob**
        - **Hot Water Heat Pumps – Dave**
        - **Rental Properties - Brendan**
  - **BEC Website/Facebook**
    - **Status - Brendan**
    - **Ideas for pages - all**

GOAL 3: Engage the People of Bristol

1. Specific Projects
   a. New Bristol Fire House Design
      i. Design Committee formed by Select Board
      ii. Architect Selected – Cushman Designs
      iii. 1st Mtg held 2/26 – BEC Invited
      iv. 2nd Mtg 3/5 – Bob Attended
      v. 3rd Mtg 3/11 – Status – Matt
      vi. Next steps - Matt
   b. Bristol Water System Pumps (3) (water from river to water tower)
      i. What are Savings/costs to go to Variable Speed Soft start pumps
      ii. EVT Energy Consultant set up – John Ho
      iii. Lance Perlee is the Town Water subcontractor who will work with John

iv. Status: John & Lance investigate feasibility and savings - Bob

c. Solar Lighting on Pathway from Liberty St to Mt Abe
   i. Dave has investigated a solution
      1) Solar Pole lights
      2) 1 every 50 feet
      3) Dimmable after a period of time
      4) Motion sensor driven
      5) Light directed down, not into homes
   ii. Action: To be discussed with ANESU/Mt Abe – owner of the pathway
      1) Set up mtg with ANESU Facilities Mgr - Bob
   iii. Process
      1) Demonstrate the feasibility (estimated business case)
      2) Provide ANESU/Mt Abe with the info they need to put out an RFP

d. Solar PV on Mt Abe Roof
   i. Dave has determined this is feasible
   ii. Much better payback than when first looked at a couple yrs ago
   iii. Focus first on Energy Efficiency
      1) See Mt Abe Environmental Club
   iv. Action: To be discussed with ANESU/Mt Abe (meeting tbd – Bob)
   v. Process:
      1) Demonstrate feasibility (estimated business case)
      2) Provide ANESU/Mt Abe with the info they need to put out an RFP

e. Lighting/solar at Rec Field
   i. Dave has been approached about lighting and solar PV at the REC field
   ii. Objective is to reduce the cost of the lighting so that more groups can afford to use the field after dark
   iii. Process
      1) Demonstrate feasibility (estimated business case)
      2) Provide ANESU/Mt Abe with the info they need to put out an RFP
   iv. Action: Review with Rec Dept decision makers when ready – Status: Dave

f. School Energy Audit
   i. School Energy Management Program audit - tbd
   ii. Mt Abe Environmental Club to pursue
   iii. Stay in contact - Bob

g. Town Buildings
   i. Look at electrical savings opportunities
   ii. Dave provided a list of GMP accounts given by Therese
      1) Shows about $6,000 drop in street lighting bill
      2) Shows significant drop once water main leak was fixed
   iii. Meters can be combined to save costs (eg, why 3 meters on the green?)
   iv. Solar potential

v. Action – share meter info with Therese – Status: Bob

2. Tours of homes and businesses that have done real energy saving projects
   - **Cold Climate Heat Pump Tour – Wendy**
   - **Energy Audit and Home Button Up – Bob**
   - **Residential Solar PV - Dave**
   - **Others TBD**

3. Draft of FPF Post of BEC Goals and Offerings of help (Residents, Businesses, Municipal) - Bob

- **BEC Goals and Strategies**
- **Energy Walk Throughs to identify opportunities**
- **Connection to experts**
  - **Auditors**
  - **Energy Consultants**
  - **Financing**

- **Workshops to focus on Energy Reduction and Savings - what and how**
  - **Capstone Weatherization Trailer at Pocock – Status: Wendy**
  - **Workshop with EVT and the HEAT Squad - tbd**
  - **Other - TBD**
- **Campaigns on specific energy saving ideas – future discussion**
- **Occasional Community Dinners with energy topic/presentation as focal point – future discussion**
- **Harvest Festival – future discussion**
- **Forums on Energy Saving – future discussion**

Speakers – experts, residents, business owners