

**Creation of Committee,  
Committee Members, & Meeting Summary**

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**Energy Committee Meeting Schedule**

Rockland Energy Committee does not meet on a fixed schedule. Committee has been meeting approximately every 3-4 weeks. Next meeting is schedule at end of meeting based on availability of members. All but one meeting has been held at City Hall. Next scheduled meeting dates are:

Tuesday May 19, 2009 at 4:30 PM

Tuesday June 16, 2009 at 4:30 PM

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**4/9/2007 City Council Resolve Establishing “Ad Hoc Energy Efficiency Review Committee”**

CITY COUNCIL  
CITY OF ROCKLAND, MAINE

Resolve #19 Establishing Ad Hoc Energy Efficiency Review Committee:  
Sponsor: Mayor Harden  
Originator: Mayor Harden

BE IT HEREBY RESOLVED BY THE CITY COUNCIL AS FOLLOWS:

That the Ad Hoc Energy Efficiency Review Committee is hereby established. The Committee shall consist of 7 members appointed by the Mayor and confirmed by the City Council, who shall serve for an undetermined term. The duties of the committee shall include the review of all relevant data for the creation of an energy policy for the City of Rockland, and present such policy to the City Council with its recommendations. The committee shall also review and make recommendations to the City Council on the U.S. Mayors Climate Protection Agreement, the Governors Carbon Challenge, and the Maine Partners for Cool Communities project. The committee shall consist of the following persons who shall serve for indefinite terms:

Councilor Carol Maines, who shall serve as Chairman  
Norma Athearn, William Pearce, Terry Pinto,  
Larry Pritchett, Sandra Schramm, and Patricia Moran Wotton

**Energy Committee Members & Contact Information**

Norma Athearn, 73 Rankin Street	Athern2@MidCoast.Com or 594.1478
Carol Maines, 186 North Main Street	CMaines@MidCoast.Com or 596.0291
William Pearce, 39 Mountain View Drive Extension	BillPearce@RoadRunner.Com or 594.8413
Larry Pritchett, 39 Brewster Street, P.O. Box 126	Pritchett@MidCoast.Com or 594.8806
Sandra Schramm, 16 Broad Street	SSchramm1@MidCoast.Com or 596.7168
Patricia Moran Wotton, 261 Park Street	Patricia@ECMoran.Com or 594.2077

**April 17, 2009 Energy Committee Update For City Manager**

From: Pritchett@MidCoast.Com

Sent: Friday, April 17, 2009 11:09 AM

To: Rosmary Kulow

Cc: Terry Pinto

Subject: Rockland Energy Committee Update For City Manager

Dear Rosemary,

Terry forwarded your info request on Energy Committee appointed by City Council in April 2007. Following is brief summary of committee discussions & projects. If you think phone call, individual meeting with you, or planning for discussion with you as part of upcoming committee meeting would be productive, let me know.

**1\_SLOW START**

While appointed in April 2007, committee's first meeting was not until summer of '08. I was not part of initial planning for committee, nor was I able to attend committee's organizational meeting. So I do not know reason(s) for delay. My impression is a person was sick, another had overwhelming work deadline, someone else was on vacation- - -and then a year had passed.

**2\_INITIAL FOCUS DISCUSSION**

Over first several meetings there was a lot of discussion about committee's focus. Much of what committee debated would fall within one of four broad categories:

- (a) Should committee focus solely/primarily on municipal energy use? And, if this is the focus, should that extend to informal information gathering discussions with the school district and/or county?
- (b) Should committee focus be community wide energy use? This might lead to projects ranging from community education forums on reducing commercial/residential energy use to seeking grant funding for weatherization to looking at energy standards in municipal building codes.
- (c) To what extent should committee look beyond direct energy use to issues that encourage wasteful energy use/ discourage conservation like lack of trails, sidewalks or bike paths? How far into "green community/sustainable community" issues should committee go?
- (d) Committee's focus clearly should include reducing municipal, and possibly community wide, energy costs & use. To what extent should committee look at related carbon footprint/emissions issues?

**3\_FOCUS ON MUNICIPAL ENERGY USE, WORK OUTWARD FROM THERE**

As you probably are aware, energy committee member Patricia Moran is local business owner, two term city council member, former planning board member and member of consolidated school board.

Back on Jan 16, she circulated an email to committee members suggesting we should start with municipal energy use/municipal energy policy. Once committee had a good handle on that issue, work with staff, council, and other committees as appropriate on whatever comes out of that.

Everyone signed onto this & we have been working down that road. A number of issues that would fall in various other focus areas summarized above (i.e., bringing natural gas to city, trees in high visibility street corridors, bike paths, etc.) remain on periphery of committee's radar.

#### 4\_PRIMARY PROJECT #1: MUNICIPAL ENERGY USE SUMMARY

Committee has been working to compile a summary/report on municipal energy use. Unfortunately, we began this just before city started annual budget process. So, we have been trying to limit questions to potentially overloaded staff. City energy report/summary could be helpful in several ways:

(a) Be used as tool for discussing energy use with Council. (b) Provide way to prioritize city buildings/departments/programs for energy reviews. (c) Help staff/leaders fully visualize where energy goes. (d) Provide concise info to educate residents on energy. (e) Provide summary data needed for possible grant applications down the road.

There are still some gaps in volume and price info committee has. But this is at a point it should come together fairly quickly once all the relevant data is in hand.

#### 5\_PRIMARY PROJECT #2: INFORMATION GATHERING ON WIND OPTIONS

In Europe, some small cities produce more electricity from wind than the entire community uses. In Massachusetts and New York there are operating municipal (or public/private partnership) wind turbines. Two schools in the Augusta area appear to be on track to erect turbines this summer.

The quasi municipal utility on Vinalhaven plans to construct turbines to serve Vinalhaven and North Haven this summer. Camden is in the late stages of a detailed study of a potential turbine site. But, a screening level look at wind by staff concluded Rockland did not have any viable options.

Committee decided to gather more information from people working on small scale municipal wind projects to see if there are additional avenues Rockland should explore. How are other projects addressing perceived/actual hurdles of noise, avian impacts and construction costs?

#### 6\_ENERGY COMMITTEE MEETING SCHEDULE

The committee does not meet on a regular schedule. Next meeting is scheduled at the close of a meeting, or when a date with a third party can be arranged. Committee has met about every three weeks (6 meetings in 17 weeks) since first of the year. Next meeting is schedule for April 21st.

Hope this is a good start toward answering your questions. Looking forward to meeting with you at some convenient time in the future.

Sincerely,  
Larry R. Pritchett  
39 Brewster Street  
PO Box 126  
Rockland, Maine 04841

207.594.8806

[Pritchett@MidCoast.Com](mailto:Pritchett@MidCoast.Com)

## **Rockland Energy Committee Meeting Agendas & Minutes**

### **Agenda for 2/10/2009 Meeting**

Subject: Possible Agenda For 2/10 Rockland Energy Meeting??

Date: Sun, 08 Feb 2009 11:14:36

From: Pritchett@MidCoast.Com

To: Norma Athearn, Bill Pearce, Terry Pinto, Carol Maines, Sandra Schramm , Patti Wotton

In any project, there are places for opened ended scoping & discussion type meetings. That said, I tend to think most committee meetings are more productive if members come in knowing what the agenda is and (ideally) having spent some time reflecting, and doing their homework, on agenda items.

I have roughed out below a possible agenda as a challenge to us all to think about what Energy committee needs to discuss and begin to make decisions on to move Rockland energy efficiency/conservation issues forward at Tuesday meeting.

Hope you are having a good weekend,

Larry R. Pritchett

207.594.8806

#### 1\_SHORT TERM FOCUS ALMOST SETTLED??

Based on discussions at 1/15 & 1/27 meetings as well as emails around those, many committee members appear to be leaning toward moving forward with a narrow/literal interpretation of committee's original charge.

In brief that would entail: (a) reviewing & making recommendations on municipal energy & climate change initiatives & (b) at least beginning screening level work on energy policy for Rockland. I don't see discussion on this issue Tuesday, but rather work on next three related points.

#### 2\_HOW TO WORK THROUGH MUNICIPAL CLIMATE INITIATIVES??

What steps are needed so all committee members are familiar enough with pros & cons of Cool Cities, Governor's Climate Challenge, U.S. Conference of Mayors Climate Protection Agreement, & ICLEI's Cities for Climate Protection, to have informed discussion and make recommendations?

If committee recommends any one, or combination, of these each member probably needs to have concise answer for Council members, residents and press as to "why this" and "what are the benefits for Rockland."

#### 3\_DEVELOP 12 WEEK/5 MEETING WORK PLAN??

Can we rough out a work schedule (say, meet every 3 weeks for 12 weeks or ??) that gets through municipal climate initiatives and begins to grapple with Rockland Energy Policy? For example next two meetings divided equally between discussion of municipal climate initiatives and city energy use? Last 3 of 5 meetings devoted to energy policy?

#### 4\_WHAT & WHEN TO COMMUNICATE TO MANAGER, MAYOR & COUNCIL??

This committee was appointed two city council elections, two mayors and two city managers ago. At what point does committee need to meet with new manager and/or new mayor?

**Summary of City Electricity Use Distributed to Committee on 2/9/2009**

Subject: Rockland Electrical Usage: Great Worksheets!!  
Date: Mon, 09 Feb 2009 18:53:22 -0500  
From: Pritchett@MidCoast.Com  
To: amatlack@ci.rockland.me.us  
CC: Norma Athearn, Terry Pinto, Sandra Schramm,  
Patti Wotton, Carol Maines, Bill Pearce, tluttrell@ci.rockland.me.us

Dear Ann,

Many thanks for providing the Energy Committee with the Excel file you have set up to track electricity usage across all City departments. The first worksheet in that file (monthly kilowatts used for all meters sorted by department) was very much the kind of info we were seeking.

I have not had time to digest you initial analysis of the benefits produced by the lighting upgrades. CMP's assorted estimates, rather than actual meter readings, in 2007 muddle some comparisons that one would like to make.

Tables embedded in email are always at risk of not aligning correctly, but the following is from my lunch time doodling with your file. Staff probably know where the electricity goes. The rest of us don't.

**City of Rockland Electricity Use**

1,711,839 Kilowatt Hours Total City Wide 12/07-11/08

**By Department/Largest to Smallest Users**

22% - - Street Lights - - 369,988 KWH  
16% - - Fish Pier - - 275,252 KWH  
15% - - Wastewater - - 261,176 KWH  
11% - - Library - - 188,480 KWH  
9% - - Solid Waste - - 151,018 KWH  
5% - - Fire Dept. - - 84,160 KWH  
5% - - Police Dept. - - 82,615 KWH  
4% - - Waterfront - - 65,680 KWH  
4% - - Traffic Lights- - 65,036 KWH  
4% - - City Hall - - 62,747 KWH  
3% - - Rec Dept. - - 56,916 KWH  
3% - - Public Works - - 48,771 KWH

Assuming I did not make any boneheaded Excel cell reference errors (& no meters are missing from the Excel file), four city departments appear to consume 64% of the electricity. I hope with info from Tom and Maritime it may be possible to expand this to other fuels.

Thank you!  
Larry R. Pritchett  
207.594.8806  
Pritchett@MidCoast.Com

**Minutes for 2/10/2009 Meeting**

Subject: Minutes For 2/10 Ad Hoc Rockland Energy Efficiency Review Committee

Date: Thu, 12 Feb 2009 11:36:16 -0500

From: Bill Pearce <billpearce@roadrunner.com>

To: Pritchett@MidCoast.Com, Norma Athearn <athearn2@midcoast.com>,

'Terry Pinto' <tpinto@ci.rockland.me.us>, Carol Maines <cmaines@midcoast.com>,

Sandra Schramm <SSCHRAMM1@roadrunner.com>, Patti Wotton <patricia@ecmoran.com>

Attendance: Bill Pearce, Norma Athearn, Larry Pritchett, Carol Maines, Sandra Schramm, Patti Wotton

We started off discussing Larry's email about city energy use. The street light energy usage was a big surprise. The fish pier usage was also higher than expected. The fish pier usage might be from ice machines or coolers.

Bill needs to scan information on the Biddeford and Saco's energy committees and the summaries of projects underway there in those towns and distribute to committee members.

We spent time discussing the older New England homes and difficulty in getting them energy efficient. Solar water heating systems were discussed.

It was decided to delay the tree ordinance and discussing the committee with either the new city manager or city council members until we have more information researched.

Bill and Norma will be attending the Pedestrian and Bicycle Planning session in South Thomaston on the evening of the 12th.

Next meeting is February 24 at 4:30 PM.

**Agenda for 3/10/2009 Meeting**

Subject: Draft Agenda For 3/10 Rockland Energy Mtg

Date: Mon, 09 Mar 2009 22:18:21 -0400

From: Pritchett@MidCoast.Com

To: Norma Athearn, Carol Maines, Bill Pearce, Terry Pinto, Patricia Moran Wotton, Sandra Schramm

1\_LESSON FROM BATH?? (20-40 Mins)

What insights can/should Rockland Energy Committee glean from recent (Summer 2008) analysis of energy use and green house gas emissions for Bath area? (See separate Email)

2\_UPCOMING ENERGY FORUMS (10-15 Mins)

Several energy/carbon forums/workshops are currently scheduled within the Belfast>Waterville>Brunswick>Rockland rectangle. Should some of committee make an effort to attend one, or more of these? (See Next 3 Agenda Items)

2(a)\_Thurs 3/12: Energy For An Uncertain Future

9:00AM to 4:00PM University of Maine at Augusta

3:00PM to 4:00PM Keynote: Denmark's Renewable Energy Island

Web: [uma.edu/nifschedule.html](http://uma.edu/nifschedule.html)

All day event with number of frequent ME speakers (ME Senate President, Attorney General, Chair of PUC, et. al.). But, lead person is Samsø Energy Academy Director. Samsø is Danish island (pop 4,200) that has moved in 10 years from complete coal/oil dependence to 100% wind for electricity, 70% renewables for heat & 30% biofuels for transportation. Person from Denmark doing 1 hr Keynote at 3 PM. (Free??)

2(b)\_Sun 3/15: "Cool Bath" Energy Forum

3:00PM to 5:PM Bath Middle School

Info: Cool Cities E-Newsletter Bill P. Circulated on 3/6

Forum with 3 energy experts & 3 legislatures on Maine Renewable Energy Sources Act, one of many pieces of energy legislation before the legislature. (Free??)

2(c)\_Sat. 4/4: Camden Conference Energy Symposium

8:00AM to 4:00PM UM's Hutchinson Center in Belfast

Web: [camdenconference.org/energy-symposium/2009-conference](http://camdenconference.org/energy-symposium/2009-conference)

Appears to focus on local/regional renewable energy options along with community activism in support of these. (\$40)

3\_POSSIBLE ENERGY COMMITTEE MEMBER PROJECTS?? (30-40 Mins)

Email, Committee Minutes, and other info suggests 4 areas where work by 1 or 2 committee members to meet with someone, or track down info, could prove to be a significant aid to committee's work (see next 4 agenda items)

3(a)\_Methane Gas Emissions From Landfill

Bath, ME info suggests untreated methane gas emissions from landfill could be a town's largest source of eCO2 emissions. Rockland does not currently treat landfill methane, but is talking about it. Should a couple of people from committee meet with staff working on this to see if this is a project Energy Committee should support and/or work on?

3(b)\_Camden Energy Committee Wind Project

Camden's energy committee appears to still be moving forward with wind project at Ragged Mountain and possibly the school. Should we talk with them and evaluate whether wind project was dropped prematurely in Rockland?

3(c)\_Municipal Energy and/or Climate Audits/Policies/Reports

Northern New England & Adirondacks have roughly similar climate, geography and demographics. Can we use Cool Cities list to identify similar sized towns (7,000-10,000) that have actually completed city wide energy audit, developed municipal energy sources, and/or adopted city energy/climate plans? This could be a real boast to our efforts (i.e., city x did y and saved z amount of \$\$, x number of towns are developing municipal energy sources, etc.).

3(d)\_Rockland Energy Data

LRP has only partial data from City Finance Department on current city energy use. Once all of this data is in hand, should be able to replicate most/all of municipal part of energy report like the one compiled for Bath (i.e., total energy costs, which fuels used most, which departments highest users, estimate of CO2 emissions, et. al.).

4\_NEXT MEETING DATE: TUESDAY 3/24 OR 3/31?

Should we schedule next 2 or 3 meetings??

**Overview 2008 Bath Energy Inventory Distributed to Committee**

Subject: Bath Energy Inventory

Date: Tue, 10 Mar 2009 12:22:03 -0400

From: Pritchett@MidCoast.Com

To: Norma Athearn, Carol Maines, Bill Pearce, Terry Pinto, Sandra Schramm, Patricia Moran Wotton

Dear Rockland Energy Folk,

Bath has been referenced in several "Cool Cities" emails and related info Bill has circulated to the committee. An energy use/green house gas emissions summary was completed there last summer.

Bath's population is close to Rockland's (9,266 vs 7,609). But, Bath has twice the population density (1,018 vs 589 people/sq. mile). Thus, Bath is close enough to provide some insights but different enough to limit detailed comparisons.

A copy of the August 2008 Bath Energy Inventory is attached. I have listed below the top seven points that jumped out to me. Also, note that the full report is 47 pages, so you may not want to print it.

Larry R. Pritchett  
207.594.8806

P.S. I goofed. Norma emailed asking about "Bath Report" referenced in Meeting Agenda. I appear to have never emailed this. Sorry!!

1\_OVER \$1.1 MILLION ANNUAL MUNICIPAL ENERGY COSTS

Bath report focuses on total amount of energy used and total eCO2 emissions generated but does not provide total for energy costs. Summing costs in report produces values of either \$1.1 or \$1.6 million.

\$1.1 excludes some energy costs; \$1.6 wraps in some non energy expenses related to the landfill & treatment plant (pp. 8, 9, 12, 13, & 14).

## 2\_CITY ENERGY USE ONLY 5%-7% OF TOTAL COMMUNITY ENERGY USE

There are clear potential cost savings to taxpayers in City usage. Plus, other studies (Maryland, for example) have found "lead by example benefits" when towns make changes (i.e., if city saves money, local residents and businesses more likely to adopt). LP Question: If a goal is to reduce costs to residents/business, can far more be accomplished by city assisting community in reducing energy use than by cutting city's tax related energy consumption? (p. 12)

## 3\_CITY BUILDINGS USE 65% OF ENERGY

Bath study included schools. Even when both buses and public work trucks are counted, buildings account for far more of the energy used (65% buildings vs 15% vehicles, pp. 13, 29)

## 4\_MOST ENERGY IS OIL, NOT ELECTRICITY

Roughly 55% of total energy used by city government was heating oil for buildings. An additional 15% was diesel & gas for vehicles. 26% was electricity. (p. 35)

## 5\_LANDFILL METHANE EMISSIONS LARGEST ECO2 SOURCE?

At 33.7% landfill Methane was Bath's largest city controlled source of Green House gases (heat and lighting for buildings added together is higher). Report suggests methane emissions could be six times higher w/o treatment. (p. 35 & 12)

## 6\_COOL BATH IS CITIZEN ORGANIZATION NOT MUNICIPAL COMMITTEE?

All the web info suggests the group working on energy/climate change in Bath is a citizen organization, not a municipal committee. Attached study was funded by private grant Serria Club got for work in Bath. (p. 6)

## 7\_BATH NOT A "COOL CITY"?

The citizens group approached City Council in 2007 to endorse US Mayor's Climate Protection Agreement (a prerequisite for "Cool City" designation). Council declined, but asked citizen's group to work with city staff on energy issues. Attached report contains alternative goals to US Mayor's plan. Not clear if Bath adopted those. (p. 6 & 25)

## **Minutes for 3/10/2009 Meeting**

Subject: Re: Draft Minutes For 3/10 Rockland Energy Mtg

Date: Sun, 15 Mar 2009 22:54:32 -0400

From: Bill Pearce <billpearce@roadrunner.com>

To: Pritchett@MidCoast.Com, Norma Athearn,  
Carol Maines,Terry Pinto, Patricia Moran Wotton, Sandra Schramm

Attendance: Bill Pearce, Norma Athearn, Larry Pritchett, Carol Maines, and Patti Moran

Larry sent out Bath Energy Inventory Report just prior to this meeting. Discussed some of the highlights and what a similar report for Rockland might look like.

Discussion of Bath Energy Inventory lead to questions about methane emission from Rockland's landfills. Carol is a member of Public Works Advisory Committee which meets at 3:00 PM tomorrow. She will ask about Rockland's work on landfill emissions, including methane.

Patti will contact Camden High School about their wind power study. (Patti emailed after meeting that University of Massachusetts is working with Camden school).

Norma is willing to follow up on Camden wind issue if school and work on Ragged Mountain turn out to be separate projects carried out by different parties.

We are still working to get complete energy usage information from the city.

Larry will attend part of upcoming energy forum in Augusta that features green energy expert from Denmark (Samsø Energy Institute). Norma might attend April Camden Conference Energy Forum.

Discussed regional transportation issues. Bill supplied bicycle plan report from recent regional meeting.

Next meeting - March 31, 2009, at 4:30 PM

### Agenda for 3/31/2009 Meeting

#### 1\_WORKSHOPS & CONFERENCES UPDATE (10 Mins)

LRP attended part of 3/12 Augusta workshop/conference on Somso, the island in the Denmark that produces more electricity from wind than it uses and gets 70% of its heat from on island renewable sources. Brief Summary

Can anyone attend Saturday (4/4) Camden Conference Energy Symposium (8 AM - 4 PM) at UM's Hutchinson Center (Belfast)? Web: [camdenconference.org/energy-symposium/2009-conference](http://camdenconference.org/energy-symposium/2009-conference). Appears to focus on local/regional renewable energy options along with community activism in support of these. (\$40)

#### 2\_CONSIDER/RECONSIDER MUNICIPAL WIND PROJECT? (25 Mins?)

Vinalhaven/North Haven currently on track to start construction on 3 wind turbines this summer. 2 schools in Augusta area should have turbines up by September. Camden has completed multi year wind study on Ragged Mountain.

Google Earth data suggests number of sites around Rockland (City Hall/Public Works, Snow Park, Transfer Station, Region 8, South End Mooring Area, Benner Hill, Johnson Park & Treatment Plant/Tillson Ave.) have similar characteristics to places turbines have been located in other towns.

Financial/Regulatory framework for wind in Maine & Nationally is changing. Should committee take very basic steps to identify potential sites and see what research would be needed to determine sites viability & limitations?

Should Committee meet with:(1) Camden Energy Committee on their project? (2) Island Institute staff working on Fox Island Project? (3) Natural Resource Council staff tracking ME energy legislation? (4) Mazurek/Rector at end of session to see how energy legislation might benefit Rockland?

#### 3\_INFO ON LANDFILL METHANE? (15 Mins Or ??)

August 2008 Bath Energy Inventory suggested that landfill methane gas emissions could be Bath's largest single source (33%) of green house gases. Rockland Public Works is working on emissions from dump. Any info from Carol on methane emissions, status of capture/flare project?

#### 4\_FOLLOW UP ON BATH ENERGY INVENTORY (5 Mins Or ??)

Any follow up thoughts, or inquires, committee should pursue based on info in Bath Energy Inventory distributed on 3/10?

#### 5\_ROCKLAND MUNICIPAL ENERGY USE INFO (5 Mins)

Barring not yet obvious errors or omissions, LRP appears to have city energy data from Finance Department and Maritime Energy. Got last week, have not had time to process/analyze..

#### 5\_NEXT MEETING?

In three weeks on 4/21 or ??

#### 7\_COMMITTEE MEMBER TASKS FOR NEXT MEETING?

**Minutes for 3/31/2009 Meeting**

Subject: Draft Minutes of Energy Meeting Tuesday 3/31 @ 4:30 @ City Hall

Date: Fri, 03 Apr 2009 21:36:15 -0400

From: Bill Pearce <billpearce@roadrunner.com>

To: Pritchett@MidCoast.Com, Norma Athearn,  
Carol Maines, Terry Pinto, Patricia Moran Wotton, Sandra Schramm

Attendance: Bill Pearce, Norma Athearn, Larry Pritchett, Carol Maines, and Sandra Schramm

Discussed small scale municipal wind projects that have been developed, or are being planned, in U.S. Sandra and Larry noted extent of wind development in Europe. Committee discussed ongoing questions about potential for noise pollution associated with wind turbines.

Norma will try to contact Island Institute which has been involved with development of wind project on Vinalhaven as well as Camden's Energy Committee.

FOLLOW UP ON BATH ENERGY INVENTORY - Tabled until next meeting

ROCKLAND MUNICIPAL ENERGY USE INFO - Tabled until next meeting

Discussed some recent questionable tree trimming (letters to the editor about trees near library) apparently carried out by city department(s). Sandra will contact Terry to get tree update.

Carol was not able to get more information on landfill methane but will contact manager of the transfer station to see where project stands.

NEXT MEETING In three weeks on 4/21 at 4:30 PM

**Agenda for 4/21/2009 Meeting**

Subject: Draft 4/21 Energy Committee Agenda

Date: Tue, 21 Apr 2009 15:56:10 -0400

From: Pritchett@MidCoast.Com

To: Norma Athearn, Carol Maines, Sandra Schramm, Bill Pearce, Terry Pinto, Patricia Wotton

Sorry folks, this is much too late for people to think about in advance. But, it is info for anyone who may miss today's meeting (& might remind someone to pick something up on the way out the door). Also, if you cannot come, and this misses something important, please give me a call.

Larry R. Pritchett  
207.594.8806  
Pritchett@MidCoast.Com

1\_LOTSA LOOSE ENDS

Looks like a number of things committee has talked about are couple of phone calls away from having pieces together. Following is largely updates & check-ins.

2\_CITY MANAGER

City Manger may join committee for part of this or the next meeting. If she does, following may shift.

3\_CITY ENERGY REPORT UPDATE\_General

Was bad idea to start this at same time City (& everyone was) was doing budgeting. Info is coming in from Finance, Maritime & Kalloch. Tom L. said on Friday he is now largely free of budget and can more easily respond to questions.

Next Steps: Waiting for Public works diesel consumption. LP needs to check some odd numbers with Finance.

4\_CITY ENERGY REPORT UPDATE\_Landfill Methane

Has landfill methane emissions been monitored? What is status of this project. Not critical, but is included in many city energy reports.

Next Steps: Does Carol have info from Public Works advisory committee? Should some of us (Norma, Carol, Larry, or ??) meet with some PWD folk?

5\_CITY ENERGY REPORT\_Waste Oil Burned

One energy source mentioned but not quantified is volume if waste oil burned by Public Works Garage. PWD probably reports this to MDEP on a routine basis.

Next Step: What is best/easiest way to get volumes of waste oil burned going back 2-3 years?

6\_SAMSO ENERGY UPDATE

There are big differences between Europe & the US. Even so the information from Samso in Denmark is enlightening in terms of what a small town can do in a decade when it focuses and aggressively pursues both public and public/private energy alternatives.

Next Steps: LP failed after last meeting to extract and distribute 2-4 page PDF of info on Samso.

## 7\_KEY FACTORS BEHIND WORKING MUNICIPAL WIND PROJECTS

Goal of tracking down good info on municipal (or small local) wind projects that seem to have found traction. What can Rockland learn from these?

Next Steps: LP needs to get contact info for several folk to Norma for her to follow up.

## 8\_ANY MISSED ISSUES/INFO? TREES? OR??

## 9\_UPCOMING EVENTS

Todd Litman, director of Victoria Transport Policy Institute is leading May 12th 2009 Active Communities Conference: Walking, Biking, Physical Activity & the Built Environment training/conference sponsored by many agencies (DOT, Conservation, CDC, et. al.). It is in Freeport. At least one Rockland person (Dave Kalloch) is considering going.

## 10\_Next Meeting Date?

Tuesday May 12 or May 19?

Is Tuesday still a good day?

## **Minutes for 4/21/2009 Meeting**

Subject: Minutes For 4/21 Ad Hoc Rockland Energy Efficiency Review Committee

Date: Wed, 22 Apr 2009 18:22:32 -0400

From: Bill Pearce <billpearce@roadrunner.com>

To: Terry Pinto, 'Patricia J. Moran Wotton, Norma Athearn, Sandra Schramm, Larry Pritchett, Carol Maines, Rosemary Kulow

Minutes of April 21, 2009, Meeting at 4:30 PM

Attendance: Bill Pearce, Norma Athearn, Larry Pritchett, Carol Maines, Sandra Schramm, Rosemary Kulow, and Terry Pinto

City Manager indicated many (all??) of cities HVAC systems were maintained on a call as needed for service and repair basis. She is working on service contracts for these systems and expects to get an evaluation of the systems efficiency as a part of that process.

Terry indicated project to extend a natural gas pipeline to Rockland from Winslow is currently on hold since the cost of fuel oil has decreased. Dragon Cement is currently not interested in the project. Since cost of laying natural gas pipeline is about one million dollars per mile, another larger industrial user besides FMC is needed to make the project viable. Carol asked whether there was any substitute for Dragon as a major user to justify the pipeline. Terry & Larry explain that no other current local user (or combination of users) approaches scale of Dragon.

Process wastewater from FMC is a higher temperature than can be practically treated at city's treatment plant. A study is underway to evaluate options that would both cool FMC's wastewater and use the waste heat in a beneficial manner. Work on study is completed and report should be issued soon.

On summary report of City energy use, diesel data is still incomplete. Terry indicated that no monitoring or estimates of methane emissions had been done. Given nature and age of waste there, he suspects the recoverable volume of methane will be small. The amount of waste oil collected at the transfer station and then used to heat the public works garage declined significantly this winter.

Norma has been making calls to learn what Camden has been doing on wind power. The town sponsored Ragged Mountain wind study results will be out soon and we are invited to attend. Norma will let us know the timing. We talked about other locations that might be applicable for wind power.

There was brief mention of the City funded study/engineering analysis of possible technical options to minimize/eliminate noise and air pollution issues that draw routine complaints every summer from neighbors living near the train station.

While pursuing questions about wind energy in Camden, Norma learned that town has been a Tree City for 13 years. Terry indicated that Tree City USA web site (sponsored by US Forest Service and Arbor Day Foundation) has a fairly clear set of guidelines and recommendations on its web site. Norma indicated she would explore "Tree City" designation more and get back to committee.

Several on committee expressed sentiment that some better approach (Shade Tree Commission, Town Arborist, or ???) was needed to both insure compliance with planting/buffer requirements in permits and to minimize poorly executed pruning jobs that have generated complaints. Rosemary has recommended to the public works director the employees receive tree trimming training

At September & October 2008 meetings, Energy Committee discussed (& toured) Elm Street, Oak Street and Rite Aid parking areas. Terry had several suggestions to improve tree plantings and other visual/greenscape aspects of these areas. After October meeting, Committee members talked to abutting property owners about possible changes. Terry indicated Council approved outline of this project at its last meeting with some details about curbs and curb cuts still to be resolved.

May 19, 2009, will be the next meeting.

**Agenda for 5/19/2009 Meeting**

Subject: DRAFT Agenda: 5/19/09 Energy Committee Mtg

Date: Tue, 19 May 2009 08:18:53 -0400

From: Pritchett@MidCoast.Com

To: Norma Athearn, Carol Maines, Sandra Schramm,  
Bill Pearce, Terry Pinto, Leticia Van Vuuren, Patti Wotton

1\_WELCOME LETICIA!

Leticia (Le-ti-ci-a) VanVuuren Monahan is Environmental Policy major at Northeastern. She is sitting in on today's meeting with eye toward possibly attending on routine basis and/or assisting committee in some way in the future.

2\_MISSED AGENDA ITEMS??

In looking over info from prior meetings, pieces from a number of issues are outstanding. The following is what appears to warrant updates or discussion. If this overlooks anything please mention it early, so we can leave time.

3\_UPCOMING CONFERENCES, REGIONAL OR CITY MEETINGS??

For first time in a while, do not have any energy/green community related workshop or conferences on calendar. Is anyone aware of one that committee members should consider attending or any upcoming city meetings?

4\_STREET LIGHTS: AVENUES FOR CHANGE??

At about 22% of total, street lights are by far the largest city use of electricity. Two options, phasing in LEDs and doing surveys to identify unnecessary lights show promise.

Terry emailed about this after last meeting. Are there short term windows to encourage look at this committee should not miss? Or should an evaluation be strongly encouraged as part of presentation of broader energy report to Council? Or??

5\_CITY ENERGY REPORT: MISSING PIECES

Getting diesel data has proved surprisingly difficult. If cannot get it in next 10 days, Larry will split off buildings for now & circulate draft version of that.

6\_CAMDEN WIND STUDY & TREE CITY INFO: UPDATE FROM NORMA

Brief update from Norma, more next month.

7\_HOUSEKEEPING: APPROVE PDF FOR CITY WEB SITE

Need to approve (or modify & approve) PDF of committee info, agendas, and minutes for posting to city web site. Committee should have gotten draft PDF on Monday.

8\_MEMBER TASK: UNITY COLLEGE ASSISTING ON WIND STUDIES??

Unity College appears to now be assisting some towns (at least island towns) with wind studies. Should we add them to Norma's list, or should Larry or ??? pursue this?

9\_MEMBER TASK: SUCCESS STORIES FROM COOL CITIES??

Charge to committee was to develop "Energy Policy" for Rockland. Northern New England & Adirondacks have similar enough climate, geography and demographics, that what works in one town

might work in another. Can we use Cool Cities list to identify similar sized towns (7,000-10,000) in this region that have actually completed city wide energy audit, developed municipal energy sources, and/or adopted city energy/climate plans?

Could be a significant asset to have clear examples (i.e., city x did y and saved z amount of \$\$, x number of towns are developing municipal energy sources, etc.).

10\_MEMBER TASK: BASIC BUILDING DATA ON LIBRARY??

The Library appears to be a not trivial energy user. Is basic info on the building (square footage, size and type of heating cooling system, number and type of lights, etc.) readily available renovations plans/proposals? Carol or ??

11\_NEXT MEETING DATE(S)??

Schedule next two meetings??

June 9 or June 16??

July 7 or July 14??