

**Energy and Environmental Sustainability Committee
Meeting Minutes
June 23, 2009**

Members in Attendance: Councilor David Marshall

Staff in Attendance: Troy Moon, Pat Finnigan

Members of the Public including: Ken Winship, Bill Weber, Ed Lepore, Courtney Forrester ICLEI, Nathan Hagelin, Judy Bruenjes

Item One: Approval of Minutes from April 21, 2009

1. Postponed to next meeting due to lack of quorum.

Public Comment: None

Item Two: Staff Updates

1. Fuel Usage Report

- a. Moon introduced a report on a year's worth of data concerning Gas and Diesel consumption in city departments in FY 09. Graphs compared actual versus target amounts. Winter months were predominantly up. There were several months the city hit the targets, but the overall average was high. Joe Gray has asked that Troy Moon and Kevin Austin meet with the Department Heads to discuss.

2. ESCO Update

- a. Moon introduced Ameresco, an energy systems contractor that is helping the city with energy audits, analysis, and recommendations for energy reduction measures. Reports from Ameresco are late due to issues with numerous calculations. Ameresco has an engineering partner MACTEC for this project, represented by Bill Weber.
- b. Ed Lepore took the mic. Said the company will manage energy and light networks. They have found significant options and measures for energy reduction, not only in buildings, but also other locations outside of buildings.
- c. Moon asked Lepore: What about lighting? Lepore answered Moon: Florescent lighting is one of the best options, saves money because of reduced electricity demand. There are savings in maintenance also. Day lighting is another option, which makes use of sunlight to illuminate workplaces; included in report. Options for energy savings were found in streets and roadways; induction lighting, LED technology, etc. Lepore suggested erecting a trial of two street lighting options comparing LED versus induction lighting. The decision would be up to city preference, after observing the two options and judging between the different technologies. MACTEC provided finances for some of these projects.
- d. Moon suggested that the city review the reports and take 45 days to select measures to be commenced. Another 45 days to finalize the decisions including a 3rd party peer review of the project.
- e. Marshall asked Moon: Will this project be eligible for DOE efficiency block grants? Moon answered Marshal: The applications are underway, but it takes time.

- f. Bill Weber, MACTEC representative, took the Mic and discussed several technologies that may be used in the project: solar thermal, alternative fuel options, insulations on roofs, and cool roofs for fish piers.

3. Report on ICLEI Maine Network Meeting

- a. Troy gave a summary of the meeting. Attendees were ICLEI members from southern Maine communities including Freeport, Portland, Falmouth, etc. The keynote speaker was John Brautigam from Efficiency Maine. Federal government has awarded them 37 million dollars from federal stimulus package funds toward weatherization initiatives. Funds are fuel neutral, which means they may be used for any alternative fuel opportunities. Funds are distributed to residential, commercial, and industrial initiatives. Included is funding for audits and training. These funds provide assistance to multi-family residences among other things.

Public Comment: None

Item Three: Presentation by ICLEI on the Climate Resilient Communities Program

- 1. Representative from ICLEI Courtney Forrester, Program Officer, Boston office, New England area.
 - a. Forrester gave presentation about ICLEI and their purpose. Emphasis is on Adaptation Planning. ICLEI's purpose is to build, drive, and serve local governments in climate change initiatives. ICLEI is international with offices across the USA and throughout the world.

ICLEI defines adaptation as the ability to make wise social and economical changes as the environment changes. Important elements are the reduction of GHG emissions and other negative impacts on the environment. Forrester presented a list of things to adapt for: Public health, season changes, economic impacts, loss of tourism dollars, severe storms, sea level rise, nation security issues, etc.

Forrester indicated the intergovernmental status of adaptation planning is inadequate. Few governments have details, plans, etc. Local governments, however are getting more and more involved. ICLEI's message to governments is PREPARE!! Preparation includes integrating agencies and regions and states, to assess and address vulnerabilities.

ICLEI has promoted a "Five Milestone" Adaptation Planning Process to help communities and governments who want to address their vulnerabilities. Best Practice Example: Keene, NH. The city's Mayor and Chief Of Police are working together to accomplish Five Milestone process. The city police have data on seasonal temperature and crime correlation.

Energy measures have two sides: Mitigation and Adaptation. Mitigation could simply be reducing emissions. Adaptation would be to reduce vulnerability to environmental problems.

There are some contradictions in these plans. Different options and scenarios get complicated. A city may want to optimize its urban development to save energy and resources, but there would be danger of creating flood planes that could be vulnerable to sea level rise problems. An "urban heat island" effect could be a problem. Forrester suggested that cities and communities carefully make decisions because it's not all 'rosy'.

ICLEI has published the Preparing for Climate Change Guidebook. It is not a scientific reference book and does not claim expertise on natural systems and scientific theories. Forrester claimed it could provide information about appropriate process, information resources, and available opportunities for partnerships. Additional information is available at www.icleiusa.org/adaptation.

- b. Marshal asked Forrester: In the initiation step, what do communities do to show buy-in and partnership with ICLEI?

Forrester answered Marshal: No official process for partnership. Based on a “consider yourself involved” system, which gives communities a chance to simply start communicating and attending ICLEI network meetings.

- c. Moon asked Forrester: Have Communities brought in help from other sources?

Forrester answered Moon: Yes.

- d. Moon asked Forrester: On step two, the study and analysis, what are communities required to do to complete the step?

Forrester answered Moon: The Preparing for Climate Change Guidebook gives suggestions for what communities can do in their own study.

Public Comment:

Bill Weber asked Forrester: Does ICLEI facilitate the process? What is the end goal? Is it the Planning Document only? Or does it include Future Development?

Forrester answered Weber: Look at the milestones. ICLEI provides the process outline and helps communities follow it: Start the study of vulnerabilities, create a planning document, set goals, then start to implement the adaptation process.

Item Four: Other Items

1. Anemometer Update.

- a. Language of draft proposal from planning board is awaiting approval, then will be submitted to city board.

Public Comment: None

Item Five: Confirm Dates For Next Meetings

1. Current proposed dates are good.

Public Comment: None

Item Six: Adjourn